

Annual Report

Centurion University of Technology and Management, Odisha

2024-25

I ♥ CUTM



Centurion
UNIVERSITY

Shaping Lives...
Empowering Communities...

**Centurion University of Technology and Management,
Odisha**



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The logo of Centurion University is a circular emblem. It features a central shield with a red background, a white cross, and a white book. Above the shield is a sun with rays. To the left of the shield is a blue peacock. To the right is a grey bird. The entire emblem is surrounded by a yellow border with a floral pattern. The text 'संयोगाय वित्तमाय' is written in Devanagari script at the top, and 'CONNECTING THROUGH KNOWLEDGE' is written in English at the bottom.

Centurion UNIVERSITY

Shaping Lives...

Empowering Communities...



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List of Abbreviations

APSSDC- Andhra Pradesh State Skill Development Corporation	DDUGKY- Deen Dayal Upadhyaya Grameen Kaushalya Yojana	IIW- International Institute of Welding
APEDA- Agricultural and Processed Food Products Export Development Authority	FDP- Faculty Development Programme	YRC- Youth Red Cross
BAIF- Bhartiya Agro. Industries Foundation	WISTA- Work Integrated Skill Training and Apprenticeship	XIMB- Xavier Institute of Management
BCKV- Bidhan Chandra Krishi Vishwavidyalaya	GTIDS- Gram Tarang Inclusive Development Services	ICMSEA- International Conference on Materials Science and Engineering Application
BEML- Bharat Earth Movers Ltd	GTETS- Gram Tarang Employability Training Services	LMSC- Last Mile Supply Company
BITS- Birla Institute of Technology and Science	GTF- Gram Tarang Foods	MoU- Memorandum of Understanding
CCD- Café Coffee Day	HPCL- Hindustan Petroleum Corporation Ltd	MSSSoA- M.S. Swaminathan School of Agriculture
CTTC- Central Tool room & Training Centre	HAL- Hindustan Aeronautics Ltd	MCSP- Maternal and Child Survival Program
CAD/CAM- Computer Aided Design/Manufacturing	IFFCO- Indian Farmers Fertiliser Cooperative	NALCO- National Aluminium Corporation Ltd
CUCREE- Centurion University Centre for Renewable Energy & Environment	IGKV- Indira Gandhi Krishi Vishwavidyalaya	NBFC- Non Banking Finance Company
CSR- Corporate Social Responsibility	IKS- Institute of Knowledge Society	NSIC- National Small Industries Corporation
	IJCR- International Journal of Current Research	NCC- National Cadet Corp
CUTM- Centurion University of Technology & Management	IEEE- Institute of Electrical and Electronics Engineer	NSDC- National Skill Development Corporation
CIPET- Central Institute of Plastics Engineering & Technology	IOSR- International Organization of Scientific Research	NSS- National Service Scheme
OPHWC- Odisha Police Housing Corporation	UMBC- Urban Micro Business Centre	
OPTCL- Odisha Power Transmission Corporation Ltd	UNESCO- The United Nations Educational, Scientific and Cultural Organization	
PGCIL- Power Grid Corporation of India Ltd	UGC- University Grants Commission	
PMKVY- Pradhan Mantri Kaushal Vikas Yojana	VSSUT- Veer Surendra Sai University of Technology	
REC- Rural Electrification Corporation		
RB- Ratnakar Bank		
SoM- School of Management		

SoPAHS- School of Paramedics
& Allied Health Sciences
SoPLS- School of Pharmacy &
Life Sciences
SoVET- School of Vocational
Education & Training
SBI- State Bank of India
SoAS- School of Applied
Sciences
SoET- School of Engineering &
Technology
STADPRO- Structural Analysis
And Designing Program
SAIL- Steel Authority of India
Ltd
SIET- Shambhunath Institute of
Engineering and Technology

VC's Note

As Vice Chancellor, I extend a warm welcome to you all to the 12th Convocation of the Centurion University of Technology and Management, Odisha.



On this most glorious and auspicious day, I would like to share briefly the trajectory of the University. At the outset, I would like to affirm Centurion Universities commitment to the United Nations Sustainable Development Goals 2030 and the National Education Policy 2020. The University's SDG rankings in the Times Higher Education (THE) Social Impact Ranking has seen a great leap from the previous years under the mentorship of Western Sydney University (WSU, World No 1 for two years consecutively). The University has ranked 3rd in India in No Poverty (SDG 1, globally 94th), 2nd in Zero Hunger (SDG 2, globally 35th), 9th in Industry Innovation and Infrastructure (SDG 9), 2nd in Life Below Water (SDG 14, globally 88th), 8th in Life on Land (SDG 15) and 3rd in Partnership for the goals (SDG 17). Further, it was a proud moment for us when two participants from our University, Disha Darshini and Ajay Sethi, after qualifying at the National skills represented India at the World Skills competitions in France in the categories of Health and Social Care and CNC Turning.

Centurion University serves students, mainly, from Odisha and neighbouring states like Jharkhand, Bihar, West Bengal and Andhra Pradesh through its six campuses located at Paralakhemundi, Bhubaneswar, Rayagada, Bolangir, Chhatrapur and Balasore (Gopalpur). Focused on tribal, under-privileged and rural areas, the aim is to empower students with quality education for their employability and self-reliance, higher studies and entrepreneurship, thereby contributing to reducing inequality in society. Today Centurion University has a fairly good student diversity with international students, though this is only the start.

The Centurion University has several social outreach enterprises under the umbrella brand, "Gram Tarang" to train economically weak and tribal students, to provide work

integrated skill training and apprenticeship, enable financial inclusion, manufacture drones and provide services using drones, extract oils and oleoresins from various spices and provide cutting edge technology solutions. Presently, there is also a focus on industry relevant and future skills (as aligned with the Govt of India and Govt of Odisha's vision) such as Dassault tools, AWS, Unity, Speed breeding, Tissue culture, etc. The focus of the University is to create knowledge economy, employability and entrepreneurship through skill integrated higher education system and product-oriented outcome. The University's research program is facilitated through 22 research centres, 11 Centers of Excellence and 30 Live Labs. The faculty have published 685 articles in national and international journals, 159 books and book chapters, and 69 conference proceedings; further over 111 patents and copyrights have been published. The Centre for Innovation and Entrepreneurship has provided support to 64 incubated companies and 26 startups which also figure on the MSME platform of the Government of Odisha.

The degree, diploma and certificate courses of the University are designed to educate students about developing sustainable solutions to real life problems for a better future. The classroom teaching is augmented by hands-on, action learning and relevant field work. At present, the University offers 84 Certificate, 26 Advanced Certificate, 30 Diploma courses, 36 undergraduate and 24 post-graduate and doctoral programs with a student strength of 13161 as of November 2024. In addition, we have had four batches of Indigenous Australian students who have completed a six-month certificate program.

A Food Testing Laboratory (FTL) has been established at Paralakhemundi campus with support from Government of India to provide a range of services and for the conduct of high-end research. The Faculty of Centurion University in close collaboration with an Australian industry partner has designed its own Vanilla Dome and will enter into production for export of the same. Since the establishment of the RPTO, the University has completed Remote Pilot Certification of over 150 candidates during the last year. The University has set up a new state-of-the-art laboratory i.e. Genetic Engineering and Genomics lab to carry out cutting edge research like gene editing and gene sequencing.

The University works closely with local communities and Institutions. In collaborating closely with the Nandan Kanan Zoological Park; faculty and students have developed some IoT-enabled Automation Solutions: a Timer-Based Food Dispenser Prototype: A prototype developed to automate food dispensing for animals based on scheduled timings; IoT-Based Smart Dustbin Prototype: A smart dustbin designed to enhance waste management and promote cleanliness; and, IoT-Based Environment Monitoring System and Automatic Water Sprinkler Prototype: A system developed to monitor environmental conditions and activate water sprinklers automatically as required.

In working towards advancing the Sustainable Development Goals 2030, the University tries to ensure the sustainability of biodiversity through establishing the pollinators paradise and conducting regular surveys of flora and fauna.

The School of Management actively provides training and consulting to various organizations, including delivering a Post Graduate Diploma in Financial Management to Odisha Finance Service (OFS) probationers, training to banking professionals from Banking, Finance and Insurance Nepal (BFIN), and several Skill Training programs to different stakeholders. The School of Management has conducted several international exchange programs with several Australian Universities.

We believe in inclusiveness of population from all sectors. Thus, the under privileged students are supported through various scholarships. Few new courses are developed to train and empower the disadvantaged communities from remote tribal areas, which in turn facilitate the basic health care to the population living in remote areas. With support of LTI Mindtree, a Healthcare on Wheels has been commissioned to provide healthcare services to remote areas of the state. The University in collaboration with Essilor has facilitated comprehensive eye screening and distribution of free prescription glasses for underprivileged community benefitting 14,000 individuals in the previous year. The University is facilitating Digital Eye Mitra training program in collaboration with Essilor and BABLE as their assessment partner. The University in collaboration with LTI Mindtree provides Skill Development Training Program in OT and Phlebotomy sector for students from rural communities. The University in collaboration with GAIL facilitates Satellite Telemedicine Consultation service at all its Campuses for people residing in its peripheral

community. The University has established the J C Kumarappa Rural Technology Park which through an MoU with Kouzina Kitchen aims to train and engage about 500 school dropouts. At present, the University has 102 active MoUs which are regularly reviewed.

Krishi Mela in collaboration with Krishi Jagaran has become an annual affair attended by over 5000 farmers. Rural Haat is organised on a regular basis. Farmers' training is organized to educate them about new, affordable and sustainable pathways of agriculture and aquaculture, which leads to self-reliance and economic upliftment of farmers. 10 past alumni of Agricultural Engineering have cleared OPSC examination.

The Centurion University creates awareness, shapes and sensitizes the young minds for a responsible behavior, inclusiveness and innovation. Thus, students undertake various social responsibility activities. The students conducted several awareness campaigns in the form of street plays, flash mobs, marches and displays on various social issues. Community visits to Children's homes, Old age homes, Blind schools, Shelters for the mentally ill, etc are regularly organised such that students learn respect and empathy. Further, the University organised four mega blood donation drives, where 630 donors voluntarily donated blood. Other significant days observed are the World Radiology Day, World Fisheries day, Engineers' Day, GIS Day, Vigilance Awareness Week, Forensic Science Day, National Sports Day, Teachers' Day, National Unity Day and International Day for Disaster Risk Reduction among many others.

The University celebrates the achievements of students, where students get every opportunity to showcase live projects on cutting edge technologies like AR/VR, IoT, Multispectral/ Hyperspectral imaging, VLSI, Renewable energy, EV, and BIM technology. The University hosted an AICTE sponsored Hackathon of 25 teams from various institutions.

The university is very conscious about educating women to address gender equality, fulfil the national agenda of "Beti Bachao, Beti Padhao" and to cultivate the future generation through educated women for sustainable future. This is illustrated by the total female students graduating as a percentage of total students, which is approximately 29%,

however 93% of the female students have passed as a percentage of total female students, whereas it is 82% in the case of male students. Of the total gold medallists, 63% are women. Women, at 51%, have fared better as toppers in various disciplines. We continue to provide scholarships to female students pursuing programs where they are under-represented. Overall, our efforts are being rewarded and hopefully we shall be able to ensure equality in near future.

The placements are the most awaited results by the students and the university. This year, a total of 190 companies offered 2007 jobs to our students. Of this, 1334 were unique placement offers. It is with great joy and pride that I would like to inform the audience that 10 past students of Agriculture Engineering have qualified the Odisha Public Service Commission examination, 98 students have been further selected for higher studies to other agricultural universities (ICAR JRF).

As you embark on your journey beyond the university, remember that you are the torchbearers of the values and principles instilled by your family and our institution. You are fortunate to have received a quality education enriched with practical experience and advanced technologies, equipping you for meaningful work that fosters economic growth and sustainability for your families. However, let us not forget the countless children who remain deprived of education and opportunities.

I urge each of you to extend your skills and support to the underprivileged and disadvantaged, especially women and children, wherever life takes you. Uphold the proud tradition of Centurion University by reaching out to those in need. In doing so, you will not only find fulfillment in your own life but also bring honor to your families.

At the same time, strive to challenge the status quo and aim for excellence in everything you do. Through even the smallest efforts, you can contribute to building a sustainable future. Remember, every single drop adds to the ocean of change. Together, let us create a society that thrives on inclusion, equity, and sustainability.

With this I add an endnote, as we navigate this rapidly evolving world filled with challenges, Centurion University remains steadfast in its commitment to turning adversities

into opportunities. By fostering fresh ideas, innovative perspectives, and a deep sense of social responsibility, we aim to contribute meaningfully to a sustainable future.

Congratulations and best wishes to the graduates and thank you all for your support.

Dr. Supriya Pattanayak

Vice Chancellor

1. Overview

Centurion University of Technology and Management (CUTM), recognized for its innovative and inclusive approach to education, has established itself as a pioneering institution in India. With UGC 12B status and a **NAAC A+** grade, the University offers a wide range of Certificate, Diploma, Undergraduate, Postgraduate, and Doctoral programs. These programs are delivered through specialized schools including Agriculture, Applied Sciences, Engineering and Technology, Media and Communication, Paramedics and Allied Health Sciences, Pharmacy and Life Sciences, Forensic Sciences, Agriculture and Bioengineering, Disaster Management, Fisheries, and Vocational Education and Training.

CUTM operates from six campuses across Odisha: **Parlakhemundi, Bhubaneswar, Balangir, Rayagada, Chatrapur, and Balasore**. With over **6,000 students** in graduate and postgraduate programs and **15,000+ students** in vocational training, the University supports a significant proportion of its learners with residential facilities, accommodating **80% of students** and **50% of faculty and staff**. The campuses are equipped with state-of-the-art laboratories, workshops, libraries, sports complexes, and health facilities.

Addressing the challenges of poor school education quality and high dropout rates in the region, CUTM became the first partner of the National Skill Development Corporation (NSDC), Government of India. With a focus on “**Skills Development and Livelihood-Linked Education**” the University has achieved milestones in impactful initiatives:

- ❖ **Innovation Agriculture Project:** Operating in nine districts of tribal-dominated South Odisha and three districts in North Coastal Andhra Pradesh, this initiative has trained **2,725 farmers** and **124 Community Resource Persons (CRPs)**.
- ❖ **Project Atal:** Aiming to double farmers' income, this program targets **1,00,000 small and marginal farmers** across **200 blocks of Odisha**. By 2024-25, the project has successfully engaged **70,000 farmers** and provided end-to-end

support for the cultivation of the high-yield RNR (15048) controlled sugar rice variety.

- ❖ **SEEDAP Collaboration:** CUTM and Gram Tarang have partnered with SEEDAP to train **3,000 farmers** in Srikakulam, Vizianagaram, and Visakhapatnam. As of now, **900 farmers** have been trained under this initiative.

The University operates through distinct schools such as:

- **M. S. Swaminathan School of Agriculture (MSSSoA)**
- **School of Applied Sciences (SoAS)**
- **School of Engineering and Technology (SoET)**
- **School of Management (SoM)**
- **School of Vocational Education and Training (SoVET)**
- **School of Pharmacy and Life Sciences (SoPLS)**
- **School of Veterinary Science (SoVAS)**
- **School of Media and Communication (SoMC)**
- **School of Paramedics and Allied Health Sciences (SoPAHS)**
- **Institute of Knowledge Society (IKS)**
- **Centurion University Centre for Renewable Energy and Environment (CUCREE)**

To foster dynamic engagement with stakeholders and communities, the University has incubated several social enterprises and outreach entities under the **Gram Tarang** umbrella. These include:

- **Gram Tarang Employability Training Services (GTETS)**
- **Gram Tarang Inclusive Development Services (GTIDS)**

- **Gram Tarang Foods (GTF)**
- **Urban Micro-Business Centre (UMBC)**
- **Last Mile Supply Company (LMSC)**
- **Ratnakar Bank (RB)**

While GTETS, GTIDS, GTF, and LMSC operate as for-profit companies under the Companies Act, UMBC and LMSC are Section 8 not-for-profit organizations. RB is registered as a Non-Banking Finance Company (NBFC). These initiatives provide practical, real-world learning environments for students and faculty, while their operations extend across India.

1.1 New Programs and Courses Introduced in 2024-25

CUTM has expanded its academic offerings with the introduction of the following programs:

- **B. Tech Marine Engineering (DGS)**
- **M. F. Sc.**
- **M. Pharma in Pharmacology**
- **M. Pharma in Regulatory Affairs**
- **M. Pharma in Pharmaceutical**
- **M. Pharma in Pharmaceutical Chemistry**
- **B. Sc. Biotechnology**
- **M.Sc. in Biotechnology**
- **B.Sc. Nursing**
- **Bachelor in Audiology and Speech Language Pathology**
- **B.Sc. in Forensic Sciences**

These programs reinforce CUTM's commitment to innovation and alignment with industry demands, ensuring a transformative education experience for its students.



2. Schools, Departments and Academic Programmes

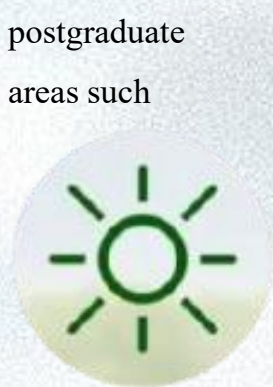
2.1 M.S. Swaminathan School of Agriculture

The M.S. Swaminathan School of Agriculture, established in 2013 at the Paralakhemundi Campus, spans 187 acres, offering ample space for farm-based experiments. The school provides a range of academic programs, including B.Sc. (Hons) in Agriculture, B. Tech in Agriculture, and M.Sc. in Agriculture. It also conducts diverse training, research, and consultancy activities through its eight specialized departments.



2.1.2 Department of Agronomy and Agroforestry

The Agronomy Department, established in 2013, has been a cornerstone of the school, shaping future agricultural leaders through its robust undergraduate and postgraduate programs. The department delves into critical areas such



as organic farming, integrated nutrient management, and innovative weed management techniques. It also spearheads varietal performance studies,

intercropping system development, and the introduction of novel crops to enhance agricultural productivity. Emphasizing experiential learning, the department moves beyond traditional classrooms, engaging students in real-world applications and hands-on practices that prepare them to address contemporary agricultural challenges with confidence and expertise.

2.1.3 Department of Horticulture

Established in 2013, the Horticulture Department offers courses on vegetable, fruit, flower, and spice production technologies. Students are also introduced to post-harvest management and value addition. The department engages in vocational training programs and research initiatives while providing modern lab facilities for hands-on learning.



2.1.4 Department of Agricultural Extension

The Agricultural Extension Department focuses on advancing extension science through education, research, and training. Active since 2013, the department works with rural and tribal populations in Odisha and Andhra Pradesh, emphasizing agricultural marketing, business solutions, and entrepreneurship development.

2.1.5 Department of Entomology



The Department of Entomology, founded in 2013, stands at the forefront of insect science education, offering dynamic courses for both undergraduate and postgraduate students. With a dedicated team of expert faculty, the department brings the fascinating world of insects to life, exploring their critical roles in agriculture, ecosystems, and beyond. From pest management strategies to ecological conservation, students engage in hands-on learning and cutting-edge research, preparing them to tackle real-world challenges with innovative solutions. The department serves as a hub of discovery, inspiring future entomologists to harness the power of insects for sustainable development.

2.1.6 Department of Genetics & Plant Breeding & Seed Science

Since its inception in 2013, the Genetics and Plant Breeding Department has been committed to laboratory work, research, and outreach. The department equips students with comprehensive knowledge and practical experience in plant breeding techniques.

2.1.7 Department of Crop Physiology and Biotechnology

This department integrates diverse fields such as crop physiology, biotechnology, seed science, bioinformatics, and molecular biology. The state-of-the-art laboratories offer students a chance to bridge theoretical knowledge with practical applications, focusing on advanced biotechnological tools.

2.1.8 Department of Plant Pathology

The Plant Pathology Department emphasizes the study of plant diseases, host-pathogen interactions, and disease management strategies. Established in 2013, it offers practical exposure to students through topics such as plant microbiology, field crop diseases, and mushroom cultivation.

2.1.9 Department of Soil Science & Agricultural Chemistry

Active since 2013, this department supports teaching, laboratory experiments, and research activities in soil science and agricultural chemistry. Faculty and staff ensure students receive practical training and a strong theoretical foundation.

2.1.10 Department of Agricultural Economics

The Department of Agricultural Economics was established to provide students with a solid foundation in economic principles and their application to agriculture. The department focuses on areas such as farm management, agricultural marketing, production economics, and policy analysis. It also undertakes research and consultancy projects aimed at enhancing the economic efficiency of agricultural enterprises. Faculty

members emphasize experiential learning, enabling students to analyse real-world challenges in agricultural economics and develop viable solutions.

2.1.11 Department of Agricultural Statistics

The Department of Agricultural Statistics specializes in applying statistical methods to agricultural research. Established to support data-driven decision-making, the department equips students with skills in experimental design, data analysis, and modelling. It plays a critical role in research projects across various disciplines of agriculture, ensuring accuracy and reliability in results. The department also emphasizes the integration of statistical tools and software, fostering analytical competence among students and researchers alike.

2.2 School of Engineering and Technology

The School of Engineering and Technology (SoET) was established in 2013. It offers Bachelor, Master, and Doctoral programs, along with various training, research, and consulting activities. The school follows a pedagogical approach comprising 40% theoretical and 60% practical learning. Programs are available at both the Paralakhemundi and Bhubaneswar campuses.



Undergraduate (B. Tech) Programs:

- Civil Engineering
- Mechanical Engineering
- Computer Science and Engineering
- Petrochemical Engineering

- Electrical and Electronics Engineering
- Agricultural Engineering
- Electronics and Communication Engineering
- Dairy Technology
- Postgraduate (M. Tech) Programs:
- Civil Engineering
- Mechanical Engineering
- Computer Science and Engineering
- Electrical and Electronics Engineering
- Electronics and Communication Engineering

2.3.2 Department of Civil Engineering

The Department of Civil Engineering is available at both the Paralakhemundi and Bhubaneswar campuses. The faculty comprises experienced academicians, including retired professors from reputed engineering institutions in Odisha and Andhra Pradesh, as well as former Chief Engineers.



Programs Offered:

- B. Tech in Civil Engineering
- M. Tech in Structural Engineering, Hydraulics, and Transportation Engineering
- Research Focus Areas:
- Geotechnical Engineering
- Structural Engineering
- Hydraulics Engineering
- Hydrology
- GIS and GPS Systems

2.3.3 Department of Chemical and Petrochemical Engineering

The department offers degree programs in Chemical Engineering and Petrochemical Engineering. Chemical engineers focus on chemical production, raw material processing, and mineral extraction.



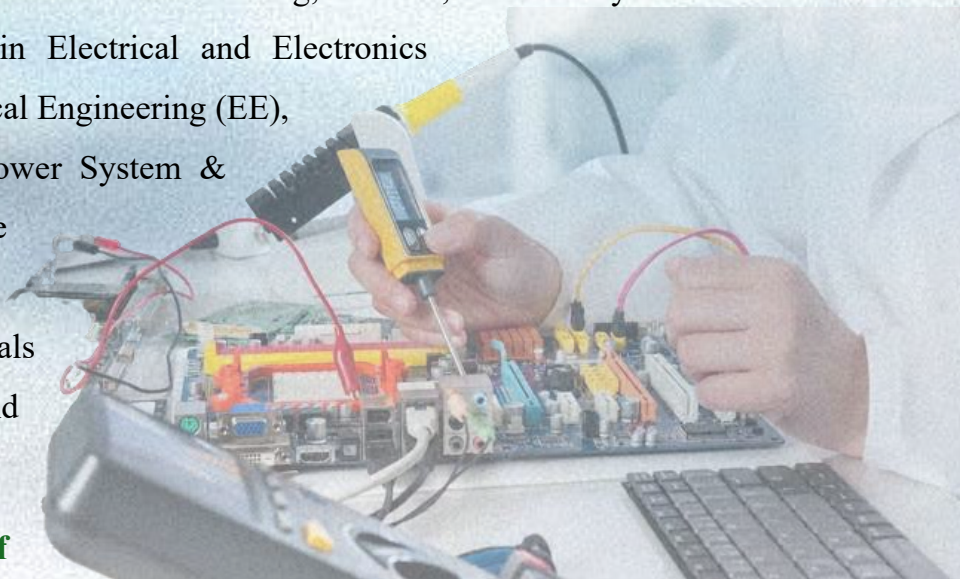
2.3.4 Department of Computer Science and Engineering

This department emphasizes hands-on learning and project-based experience. The curriculum builds strong programming fundamentals, ensuring students become proficient in at least one or two programming languages. The department offers a core set of courses along with elective options based on student interests.



2.3.5 Department of Electrical and Electronics Engineering

The department aims for excellence in teaching, research, and industry collaboration. It offers B. Tech programs in Electrical and Electronics Engineering (EEE) and Electrical Engineering (EE), along with an M. Tech in Power System & Control Engineering (PSC). The faculty includes industry-experienced professionals specializing in transmission and distribution.



2.3.6 Department of Electronics and Communication Engineering

This department focuses on producing skilled professionals in Electronics and Communication Engineering. It features well-equipped laboratories and research facilities in areas such as Antenna and Microwave Engineering, Signal Processing, VLSI, and

Embedded Systems. Industry-aligned domain-based courses prepare students for careers in VLSI and Embedded Systems.

2.3.7 Department of Mechanical Engineering



With industry partnerships including NALCO, HAL, VEDANTA, and JINDAL, the department provides both theoretical and practical training. The department specializes in manufacturing, welding, automotive design, and auto service sector skill development. It also offers CAD/CAM programs and hands-on training with Pro E and Ansys software.

2.4 School of Applied Sciences

Established in 2016, the School of Applied Sciences offers undergraduate and postgraduate programs across various disciplines. It operates well-equipped laboratories at the Paralakhemundi, Bhubaneswar, Bolangir, and Rayagada campuses.

2.4.1 Programs Offered:

- B.Sc. (Hons) Programs:
- Chemistry
- Optometry
- Mathematics
- Physics
- Information Technology
- Botany
- Zoology
- M.Sc. Programs:
- Applied Chemistry
- Applied Mathematics
- Applied Physics
- Botany

- Zoology

2.5 School of Management

Evolving from the Centurion School of Rural Enterprise Management (CSREM), the School of Management has been offering an MBA program focused on social entrepreneurship for nearly a decade. Its strengths include experienced faculty, a flexible curriculum, industry collaborations, and experiential learning opportunities.

2.5.1 Programs Offered:

- Master's Programs:
 - Master of Business Administration (MBA)
 - MBA in Development Management
 - MBA in Agri-Business Management
 - MBA in Data Analytics
 - MBA in Pharmaceutical Management
- Bachelor's Programs:
 - Bachelor of Business Administration (BBA)
 - BBA in Financial Services
 - Bachelor of Commerce (B.Com.)
 - B. Com in Banking and Accounting

2.6 School of Media & Communication

The School of Media & Communication, under the Institute of Knowledge Societies at Centurion University, is a comprehensive media school offering integrated bachelor's and master's degree programs. It also provides short-term skill programs under the PMKVY scheme in partnership with national and regional media organizations. The curriculum aligns with UNESCO's "Model Curriculum for Developing Countries and Emerging Democracies."

2.6.1 Programs Offered:

- BA in Media & Communication
- MA in Media & Communication

2.7 School of Veterinary Science

Established in 2023 at the Paralakhemundi campus, the School of Veterinary Science features a 7-acre farm laboratory for hands-on experiments and research.

2.7.1 Program Offered:

- Bachelor of Veterinary Science and Animal Husbandry (B. V. Sc. & A.H.)

2.8 School of Fisheries

The School of Fisheries at Centurion University of Technology and Management (CUTM) in Paralakhemundi, Odisha, is dedicated to cultivating expertise in various aspects of fisheries and aquaculture. The school offers Bachelor of Fisheries Science (B.F.Sc) and a M. F. Sc. program, which has received approval from the Indian Council of Agricultural Research (ICAR).

The curriculum encompasses diverse subjects such as Aquaculture, Fisheries Resource Management, Fish Processing Technology, Aquatic Environmental Management, and Fish Engineering. To provide practical experience, the school is equipped with facilities including 21 fishponds, a fish feed mill, Biofloc and aquaponic units, Chinese circular hatcheries, a fish processing unit, and a Recirculatory Aquaculture System (RAS). Students gain hands-on training in areas like trawler navigation, net weaving and repair, and the preparation of value-added fish products. The school collaborates with esteemed organizations such as ICAR-CIFA, ICAR-CIWA, ICAR-CMFRI, NIPHATT, and ICAR-CIFT to enhance learning and research opportunities.

3. Student Admissions

For the 2024-25 Academic year 4555 number of students were admitted in the university. It includes 594 in Diploma Programmes, 4132 in Bachelor Programmes, 576 in Master Programmes & 126 in Doctoral Programmes. The details are indicated in Table 3.1.

Table 3.1 Student Admission in Various Programmes During the Year 2024-25.

PARALAKHEMUNDI CAMPUS

Sl. No	School/ Programme	Branch	Gender		Total
			Male	Female	
1	SOET	ECE	68	36	104
		EEE	14	1	15
		Mechanical	16	0	16
		Civil	20	2	22
		Computer Science Engg	177	57	234
2	SoABE	AG Engineering	11	2	13
		Dairy Technology	3	0	3
		PHYTO	0	1	1
3	SoM	BBA	35	27	62
		MBA (Agribusiness)	13	2	15
4	SoF	B.Sc. Fisheries	32	14	46
5	MSSSoA	B.Sc. Agriculture	87	88	175
		M.Sc. Agronomy	9	16	25
		M.Sc. Genetics and Plant Breeding	12	14	26
		Horticulture (Vegetable Science)	6	4	10
		M.Sc. Soil Science	1	1	2
		M.Sc. Ag Extension	8	6	14
6	SoVAS	B. V. Sc. &A.H.	61	19	80
7	SoAS	BCA	13	10	23

		MCA	6	1	7
8	SoVET (Diploma)	Civil	16	1	17
		CSE	38	10	48
		Mechanical	48	0	48
		Electrical	52	1	53
9	SoPAHS	B.Sc. Nursing	24	33	57
			770	346	1116

BHUBANESWAR CAMPUS

Sl. No	School/ Programme	Branch	2024		Total
			Male	Female	
1	SOET - B. Tech	ECE	39	6	45
		EEE	27	4	31
		Mechanical	39	1	40
		Civil	12	0	12
		Computer Science Engg	476	108	584
		Mining	33	1	34
		B. Tech CS-Cyber	3	0	3
		B. Tech CS-AIML	107	24	131
		AEROSPACE	29	15	44
2	Biotechnology	B.Tech. Bio-Tech	28	19	47
		B.Sc. Biotech	17	18	35
		M.Sc. Biotech	1	4	5
3	SoET - M. Tech.	DATA SCIENCE	7	2	9
		D&M	2	0	2
		TE	1	1	2
		PS	1	0	1
		ST	3	3	6
4	SoVET (Diploma)	Automobile	10	0	10
		Civil	8	1	9

		Electrical	42	0	42
		Mining	14	0	14
		Mechanical	26	0	26
		Computer Science	52	20	72
5	SoAS	BCA	74	60	134
		MCA	126	66	192
		B.Sc. Phy	3	2	5
		B.Sc. Math	1	3	4
		B.Sc. Chem	3	5	8
		B. Sc. Botany	0	0	0
		B.Sc. Zoo	9	16	25
		B. Sc. IT/CSE	7	3	10
		M. Sc. Phy	1	2	3
		M.Sc. Chem	2	3	5
		M.Sc. Math	2	1	3
		M.Sc. Bot	9	21	30
		M.Sc. Zoo	12	41	26
		M. Sc. in Geoinformatics	2	7	9
6	SoPAHS	B. Sc. in CMB	7	10	17
		B. Sc.- MLT	12	7	19
		BPT	17	23	30
		B. Sc. MRT	21	36	57
		B.Sc. PHYSIOTHERAPY	0	0	0
		B.Sc. ANESTHESIA	0	0	0
		B.Sc. - OTT	0	0	0
		B. Sc. Opt.	8	15	23
		M. Sc. in ACMB	6	16	22
		M. Sc. in MLT	0	0	0
		M. Sc. in OPTO	1	4	5
		DMRT	6	2	8

		DMLT	6	2	8
		Certified in OTT	1	3	4
		Certified Ophthalmic Assistant	0	2	2
7	SoFS	B. Sc. Forensic Sc.	32	52	84
		Int. B. Sc.-M. Sc FS	0	0	0
		M. Sc Forensic Sc.	6	11	17
		M. Sc in Cyber	5	3	8
8	SoL	BA in LAW	3	2	5
		BBA in Law	5	4	9
		LLM	17	8	25
9	SoMS	B.Sc. MERAIN	0	0	0
		B. Tech MERAIN	0	0	0
		GME	21	1	22
		DNS	39	1	40
		BSC Nautical Science	13	0	13
		ETO	4	0	4
		GPR	25	0	25
10	SoM	BBA	76	46	122
		MBA	41	17	58
		BMS	11	4	15
		B. Com	18	7	25
11	School of Media Communication	B. Sc. Animation & Multimedia	10	2	12
12	SoN	B.Sc. Nursing	19	41	60
13	SoPLS	B. Pharma	83	26	44
		M PHARM	29	5	34
		D. Pharma	43	6	49
			1813	813	2626

BOLANGIR CAMPUS

Sl. No	School/ Programme	Branch	2024		Total
			Male	Female	
1	SoAS	BCA	0	0	0
		MCA	0	0	0
		M.Sc. Physics	0	0	0
		M.Sc. Chemistry	0	0	0
		M.Sc. Botany	0	0	0
		M.Sc. Zoology	0	0	0
2	SoPLS	B. Pharma	26	5	31
		D. Pharma	24	11	35
3	SoPAHS	DMLT	0	0	0
		GNM	16	5	21
		B. Sc. Nursing	35	25	60
			101	46	147

RAYAGADA CAMPUS

Sl.No	School/ Programme	Branch	2024		Total
			Male	Female	
1	SoPLS	B. Pharma	41	14	55
		M. Pharma	10	4	14
		D. Pharma	48	10	58
2	SoPAHS	DMLT	4	3	7
		B. Sc. Nursing	22	38	60
			125	69	194

CHATRAPUR CAMPUS

Sl.No	School/ Programme	Branch	2024		Total
			Male	Female	
1	SoAS	BCA	33	13	46

		MCA	18	1	19
2	Diploma	CSE	20	13	33
		Mechanical	47	0	47
		EEE	63	2	65
			181	29	210

BALASORE CAMPUS

Sl.No	School/ Programme	Branch	2024		Total
			Male	Female	
1	DIPLOMA	MECH	19	0	19
		EEE	27	1	28
2	SoPLS	B. Pharma	66	10	76
		D. Pharma	12	4	16
3	SoPAHS	B.Sc. Nursing	17	43	60
		DMLT	3	13	16
		OT Technician	4	0	4
		Ward Technician	2	37	39
		Certified Ophthalmic Assistant	1	3	4
			151	111	262

4. Placement

The placements are the most awaited results by the students and the university. Students of Centurion University are groomed for employment in different organisations, enrolment in higher education institutions and starting their own enterprises. The outcome of the combined and relentless effort of Placement Team resulted in **2013** offers from **253** Companies in 2024-25. **68** % of eligible engineering, **78** % of eligible agriculture and **70** % of eligible management students were placed successfully.

13 Students of the School of Agriculture qualified in Junior Research Fellowship in 2024.

Table 4.1: Students Placed in Different Organisations

Sl. No.	Name of the Company	No of Students Placed
1	Tech Mahindra	141
2	Med Plus	130
3	Macleods Pharmaceuticals	106
4	SKH Metals	102
5	MINDSPARC	68
6	Tenneco Clean Air	59
7	Bharat Biotech	51
8	Varroc Lighting Systems	49
9	Polybond India Pvt Ltd	45
10	Academor	39
11	Edustation	39
12	Anand Group	37
13	Eevolution Technology	34
14	ITC	32
15	Rinex Technologies Pvt Ltd	32
16	Tafe	31
17	Dexterity Edtech Pvt Ltd	30
18	SIDs FARM	30

19	Sakura Auto Parts	28
20	SmartEd	27
21	Synnova Gears & Transmissions Pvt Ltd	26
22	Technoshrine Infosolutions	26
23	Episource	22
24	SearchingYard	22
25	Hetero Labs	20
26	Vijaya Diagnostic Centre	20
27	Bajaj Capital Ltd	17
28	CUTM Faculty	17
29	Krishna Maruti Ltd	17
30	MSsquare Technologies	17
31	Renew Photovoltaics Pvt. Ltd	17
32	SkillForge EL Solutions Pvt Ltd	17
33	Vegrow (Chifu Agritech Pvt Ltd)	17
34	Pulsus	16
35	Skolar	15
36	Jaya Hind Industries	13
37	Surya International	12
38	Nirogh	11
39	Rupeek Fintech Pvt Ltd	11
40	Vijaya Diagnostic	11
41	AIM Group	10
42	Axis Bank	10
43	Edu-versity	10
44	JSW	10
45	Svasthya Laboratory	10
46	TASL	10
47	TCS	10
48	VulcanTechs	10

49	Marsco Nutraceuticals Pvt Ltd	9
50	Milekal	9
51	Rohan Groups	9
52	Access Development Services	8
53	ICICI Prudential	8
54	Shriram Finance Ltd	8
55	ACMEGRADE	7
56	BAIF Development	7
57	Muvro	7
58	Promea Therapeutics	7
59	Shaligram Infotech	7
60	TCS Digital	7
61	Apollo Hospital	6
62	JSPL	6
63	LV Prasad	6
64	NITKAL	6
65	PCON Utilities Pvt. Ltd.	6
66	Sum Hospital	6
67	Vikash Multispeciality Hospital	6
68	2050 HEALTHCARE	5
69	Capgemini	5
70	Cincooni Systems Pvt.Ltd	5
71	Dassault Solutions	5
72	Digit Insurance	5
73	Hetero Labs Ltd	5
74	Infunex Healthcare	5
75	Lenskart	5
76	Navadhan Capital Pvt Ltd	5
77	Quess Corp Ltd.	5
78	Reliance Jio	5

79	Skyy Skill	5
80	Big Ideas	4
81	Bourntec Solutions	4
82	Byju's	4
83	Corro Health	4
84	GTIDS	4
85	ICICI Bank	4
86	IIG Edutech	4
87	PwC	4
88	SADHAV	4
89	Sapigen Biologix Pvt Ltd	4
90	Swastik Smart Solution	4
91	Tata Advance Systems	4
92	Tech Tammina	4
93	Ajatus Software	3
94	Ascendion	3
95	Bajaj Electrical Power	3
96	Bookingjini	3
97	Cognizant	3
98	Eye-Q Hospital	3
99	Gram Tarang Technologies	3
100	Green Jeeva	3
101	HUMBLE BEE	3
102	Kar Vision	3
103	Novo Nordisk	3
104	Oxycod Technologies	3
105	Rainbow	3
106	Real & Fresh	3
107	Sankar foundation	3
108	SM Consultant Pvt Ltd	3

109	TCS Ninja	3
110	Unschool	3
111	Vizva Consultancy Services	3
112	Zifo	3
113	AIIMS BBSR	2
114	Akira eye hospital	2
115	Bajaj Finance	2
116	CapitalVia	2
117	College of Pharmaceutical Sciences, Puri	2
118	CUTM, PKD	2
119	Dambaruu	2
120	Dr. Agarwal eye hospital, Hyderabad	2
121	Dr. C. B. DALAL Lab	2
122	EPGC Golf Club	2
123	Glenmark	2
124	Green acre orchard	2
125	GT Tech	2
126	IGKC, BBSR	2
127	Incobist	2
128	Kalyani Rafael Advanced Systems	2
129	Krishna Diagnostic	2
130	Laxmi Logistics	2
131	Niva Vupa	2
132	No Broker	2
133	PlanetSpark	2
134	Platinum Projects and Estates	2
135	Rosa Tech	2
136	Saishree Medicare	2
137	Spandan Diagnostic Centre	2
138	Thermax GAT	2

139	Ubeau Advanced Aesthetics	2
140	Vest Inc	2
141	Voip Tech Solutions	2
142	Web_Bocket	2
143	Zessta Software Services Pvt Ltd	2
144	(College of pharmaceutical sciences, Puri)	1
145	24 * 7 Software	1
146	Aditya aswini hospital	1
147	Agarwal Eye Hospital	1
148	Akshayakalpa Farms and Foods	1
149	Aspire Hospital	1
150	Astral Pipe	1
151	Authenticated.io	1
152	Bagchi Sri Sankara Cancer Center and Research institute, BBSR	1
153	Barahampur Hospital	1
154	Bhash Software	1
155	Bhoomika eye hospital, kendrapara	1
156	Bikash hospital	1
157	Biswas College of Nursing	1
158	Cabsell	1
159	CFS Eye Hospital	1
160	CIMSAR	1
161	CodeYoung	1
162	Crapt	1
163	cryenx labs	1
164	Cure well laboratory,BBSR	1
165	CUTM (SoVAS)	1
166	Cyber Infrastructure	1
167	Das Engineering	1

168	DCS Private Limited	1
169	Delivery	1
170	Denfuel Drops	1
171	DESPL	1
172	Devine College of Health Science, BBSR	1
173	Diageo India	1
174	Dr Agarwal eye hospital, Hyderabad	1
175	Dynamic Web	1
176	Electro M Technoservice	1
177	ExponentUp	1
178	FirstSource	1
179	Flipkart	1
180	FMMCH, Baleswar	1
181	Gadre Marine Export	1
182	Genpact	1
183	High Riders Pvt Ltd	1
184	High-tech Hospital, Rourkela	1
185	Himalaya opticals, Visakhapatnam	1
186	Hindustan Unilever ltd. Kolkata	1
187	HiTech Medical, Rourkela	1
188	ICAR CIFA	1
189	ICMR-RMRC	1
190	IDCO	1
191	IFFCO Tokyo	1
192	IFM360 Tech Pvt Ltd	1
193	indravati eye hospital, Nabarangpur, odisha	1
194	IndusInd Bank	1
195	Infonix	1
196	Institute of Lifescience	1
197	IPB	1

198	IPSM	1
199	IPSR	1
200	Jyoti Hospital, Balasore	1
201	Kalgudi	1
202	Karbon Business	1
203	KOLATHIA DIAGNOSTICS, SHISUPALGARH	1
204	Lawrence and Mayo	1
205	Manikaran Power	1
206	Mannequin Pharmaceutical Pvt. Ltd.	1
207	Manya Hospital	1
208	Mavericks Research and Marketing	1
209	Maxivision	1
210	Medicover	1
211	MediVision EYE HOSPITAL	1
212	Medtronics	1
213	MG Cancer	1
214	N vision eye care	1
215	NIC	1
216	Optum, Chennai	1
217	Panda Infratech	1
218	People Spectrum Pvt Ltd	1
219	Planck Network B.V.	1
220	Post Office, Nuapada	1
221	Prabha Eye Clinic & Research Centre	1
222	Prativa Institute of Medical Science, BBSR	1
223	PRM DHH, Tata Memorial Cancer Center	1
224	PUSHPAGIRI EYE HOSPITAL	1
225	Q1	1
226	Queens NRI Hospital, Vizag	1
227	Rallis India	1

228	Ruby Eye Hospital	1
229	Sanghamitra Hospital	1
230	Saraswati Multi-Specialty Clinic	1
231	Siddhardha	1
232	Snappy Hyres	1
233	SoA	1
234	Sparsh hospital and Critical care, Kantabada	1
235	Sree Shankara Nethralaya	1
236	SUM	1
237	Suseela Netralaya, Kurnool, Andhra Pradesh	1
238	Swaraj Multispeciality Hospital	1
239	Syngenta India Pvt Ltd	1
240	TCS NQT	1
241	Tech Mindsparc	1
242	Tirumula vzm	1
243	Unitygrid AI	1
244	Utkal Hospital, BBSR	1
245	VASAN EYE CARE HOSPITAL	1
246	vekata rama	1
247	vikas	1
248	Viswass college of Nursing	1
249	Wapic India Pvt ltd	1
250	WheelsEye Technology India	1
251	Win vision eye hospital	1
252	Wishfin	1
253	Zudio	1
	Total	2013

5. Consulting & Training

The university gives utmost importance to Consulting & Training having academic relevance. These activities are geared towards solving real life problems faced by organisations and communities. The details of consulting and training activities are presented in Table 5.1. During the year the University provided consulting & training worth Rs. Fifteen Lakhs Three Thousand One Hundred Fifty-Six. In 2023-24, Centurion University has received consultancy projects from Karthik Engineering Works, Artificial Limbs manufacturing Corporation- Bhubaneswar- Ministry of Social Justice, Sale of Garments, E Vehicle and Star Trek Security and Services Private Limited. etc.

Table 5.1: Details of Training & Consulting Activities Undertaken

Client Organization	Title of project	Amount Received (Rs.)
Karthik Engineering Works	Machining of Components	4,50,875.00
Artificial Limbs manufacturing Corporation- Bhubaneswar- Ministry of Social Justice	Welding & Dressing of Tricycle	2,89,266.00
Sale of Garments	Sale of Garments	3,44,700.00
Sale of E Vehicles	E Vehicle sales	2,48,415.00
Star Trek Security and Services Private Limited	Civil construction Training	1,69,900.00
Total		15, 03, 156.00

6. Research, Publications and Patents

Research & Publications are important activities of the University. The University encourages its Faculty and Students to undertake context specific research for solving real life problems faced by organisations and communities. During the Year University filed 67 patents.

During the year, 1000+ number of journal articles published some of these include.

6.1. List of Publications

Sl. No.	Title of the Paper	Name of the Authors	Department	Name of the Journal	Publication Year	ISSN Number
1	Towards a reduction of emissions and cost-savings in homes: Techno-economic and environmental impact of two different solar water heaters	EB Agyekum, JD Ampah, T Khan, Nimay Chandra Giri, AG Hussien, VI Velkin, U Mehmood, S Kamel	ECE	Energy Reports	2024	2352-4847
2	Global health concern on the rising dengue and chikungunya cases in the American regions: Countermeasures and preparedness	Ranjan K. Mohapatra, Priyadarshini Bhattacharjee, Dhruv N. Desai, Venkataramana Kandi, Ashish K. Sarangi, Snehasish Mishra, Ranjit Sah, Amani Ahmed AL. Ibrahim, Ali A.	Chemistry	Health Science Report	2024	2398-8835

		Rabaan, Kudrat E. Zahan				
3	Advanced strategies for optimization of primary nutrients requirement in rice-A review	Lalichetti Sagar, Sagar Maitra, Sultan Singh and Masina Sairam	Agronomy	Plant Science Today	2024	2348-1900
4	Improving the combustion and emission performance of a diesel engine with TiO ₂ nanoparticle blended mahua biodiesel at different injection pressures	K. Simhadri, P. Srinivasa Rao , M.K. Paswan	Mechanical Engineering	International Journal of Thermofluids	2024	2666-2027
5	Effect of salinity stress on growth, chlorophyll, antioxidant enzymes and nutrient content in Azolla spp.	Hari Narayan, Upendra Kumar, Tapas Chowdhury, P. Swain, Madhusmita Barik, AK Nayak	Botany	Aquatic Botany	2024	0304-3770
6	Bio-fabrication of silver nanoparticles using Pterocarpus marsupium: A promising antimicrobial agent for head and neck infections	Smrutipragnya Samal, Pratyush Kumar Das, Debasmita Dubey, Tushar Kanti Rajwar, Santosh Kumar Swain	Phytopharma	Industrial Crops & Products	2024	0926-6690

7	An innovative therapeutic approach for Curcumin Nanocarriers for the treatment of various types of Cancer with special emphasis on cellular uptake studies	Kalpita Bhatta , Pratikshya Mohanty , Itishree Jogamaya Das and Himansu Bhusan Samal	Botany	Journal of Angiothera py	2024	2207- 872X
8	Development of microemulgel formulations with varied permeation enhancers for transungual delivery of luliconazole in onychomycosis management	Yashwant Giri, Sk Habibullah, Pradyumna Kumar Dixit, Gyanranjan Mahalik, Biswaranjan Mohanty, Amulyaratna Behera	Pharmacy	Colloids and Surfaces B: Biointerfac es.	2024	
9	Housing and Summer Management Practices Followed by Buffalo Farmers in Yanam Region of Puducherry	K. Prasanthi*, R. Mallikarjuna, D. Sreekumar, V. Rajaganapathy, R. Ganesan and K. Natchimuthu	Livestock farm complex	The Indian Veterinary Journal	2024	0974- 9365
10	Utilization of building and agriculture wastes in bituminous pavement: a sustainable solution	Giri, J.P., Priyadarshini, M.	Civil Engg.	Journal of Building Pathology and Rehabilitat ion	2024	2365- 3167

11	Innovative utilization of waste plastic in paving blocks: a paradigm shift	Giri, J.P., Priyadarshini, M.	Civil Engg.	Journal of Building Pathology and Rehabilitation	2024	2365-3167
12	Identification and Exploration of Transcripts Involved in Antibiotic Resistance Mechanism of Two Critical Superbugs. Gene expression,	Swayamprabha Sahoo, Jatindra Nath Mohanty, Sweta Padma Routray, Sejal Shah, Jayashankar Das and Tripti Swarnkar.	Botany	Gene Expression	2024	1052-2166
13	Activity Recognition for Elderly Care Using Genetic Search	Ankita Biswal, Chhabi Rani Panigrahi, Anukampa Behera, Sarmistha Nanda, Tien-Hsiung Weng, Bibudhendu Pati, and Chandan Malu	Computer Science	Computer Science and Information Systems	2024	1820-0214
14	WHO-classified COVID-19 'variant of interest' JN.1: A community health concern in the winter and festive season	Ranjan K. Mohapatra, L.V. Simhachalam Kutikuppala, Snehasish Mishra, Ashish K. Sarangi, Lawrence Sena Tuglo	Chemistry	Clinical Infection in Practice	2024	2590-1702

15	Examining the nexus of relationship marketing and patient loyalty: The mediation and moderation analysis	Abhijeet Chavan ^{1,*} , Abhijit Mohanty ² , Sujata Joshi ³	Management	Environment and Social Psychology	2024	2424-7979
16	Schematic-portfolio of potent anti-microbial scaffolds targeting DNA gyrase	Kakarla Pakeeraiah, Suvadeep Mal, Monalisa Mahapatra, Suman Kumar Mekap, Pratap Kumar Sahu, Sudhir K. Paidesetty	Pharmacy	International Journal of Biological Macromolecules	2024	0141-8130
17	SPECTROPHOTOMETRIC ESTIMATION OF NERATINIB PHARMACEUTICALS: APPLICATIONS TO CHEMOMETRICS SUPPORTED ROBUSTNESS TESTING AND METHOD GREENNESS ASSESSMENT	Sagar Suman Panda and Suman Kumar Mekap	Pharmacy	Indian Drugs	2024	0019-462X
18	A review of healing potential of Indian Flora: An ethnopharmacological evidence of wound	Rasmita Jena, Durga Madhab Kar, Sovan Pattanaik, Bhisma Narayan Rath	Pharmacy	Journal of Angiotherapy	2024	2207-872X

	healing activity https://doi.org/10.25163/angiotherapy.819416					
19	Review of Six Different Next Generation Sequencing (NGS) Techniques for Forensic Science, including Advantages and Disadvantages	Sheerin Bashar, Naga J Kothakota, Bikash Ranjan Jena	Pharmacy	Current Forensic Science, Bentham Science	2024	e12012 42256 23
20	Polycystic ovary syndrome and its management: In view of oxidative stress	Koushik Bhattacharya, Rajen Dey, Debanjana Sen, Nimisha Paul, Asim Kumar Basak, Mohuya Patra Purkait, Nandini Shukla, Gargi Ray Chaudhuri, Aniruddha Bhattacharya, Rajkumar Maiti, Krishnendu Adhikary, Prity Chatterjee, Prithviraj Karak, Alak Kumar Syamal	Pharmacy	Biomolecular Concepts	2024	1868- 503X

21	Electrical transport properties and hopping mechanism of ZrCuSiAs type compound GdFeAsO	Gyanendra Kumar Mishra, Prafulla Kumar Pradhan, N.K. Mohanty	Physics	ECS Journal of Solid-State Science and Technology	2024	2162-8777
22	An ethnobotanical study of medicinal plants used by ethnic communities of Nuapada District, Odisha to treat periodontal disorders	Binapani Barik, Gurudutta Pattnaik, Bhabani Shankar Satapathy, Biswajeet Acharya and Ladi Alik Kumar	Pharmacy	Ethnobotany Research and Applications	2024	ISSN 1547-3465
23	Recurring food source-based Listeria outbreaks in the	Ranjan K. Mohapatra, Snehasish Mishra, Lawrence Sena Tuglo, Ashish K. Sarangi, Venkataramana Kandi,	Chemistry	Health Science Report	2024	2398-8835
24	A Systematic Review on the Potential Applications of Theranostic Nanoparticles in Diabetes and its Associated Complication Diabetic Neuropathy	Uddhav Patangia, Kalpita Bhatta, Himangi Vig, Dr Sneh Priya, Dr. Ankita Wal, Dr. Lalit	Botany	Current Nanomedicine	2024	ISSN:2468-1873 E-ISSN:2468-1881

25	Genetics of qualitative and quantitative traits in crosses involving cherry and purple tomato genotypes	Debmala Mukherjee, Amit Ranjan Mandal, Subhrajyoti Chatterjee, Subhrajyoti Sengupta, Sk Masudul Islam, Subhashis Kundu, Swadesh Banerjee, Sanjay Bairagi and Arup Chattopadhyay	Horticulture	Crop Breeding and Applied Biotechnology	2024	1518-7853
26	Purple standard tomato and cherry tomato crosses could enhance phytonutrient contents and tolerance to tomato leaf curl virus disease	Debmala Mukherjee ¹ , Subhrajyoti Chatterjee, Amit Ranjan Mandal, B Lalramhlimi, Sk Masudul Islam, Subhashis Kundu, Sanjay Bairagi, Ivi Chakraborty, Asit Kumar Mandal and Arup Chattopadhyay	Horticulture	International Journal of Vegetable Science	2024	1931-52709
27	Experimental analysis for optimization of process parameters in machining using coated tools	Dillip Kumar Mohanta, Bidyadhar Sahoo, Ardhendu Mouli Mohanty	Mechanical	Journal of Engineering and Applied Science	2024	2536-9512

28	Exergy-energy, Sustainability and emissions assessment of Guizotia abyssinica (L.) fuel blends with metallic nano additives	Abishek MS, Sabindra Kachhap, Upendra Rajak, Tikendra Nath Verma, Nimay Chandra Giri, Kareem M. AboRas, & Ali Elrashidi	ECE	Scientific Reports	2024	2045-2322
29	Relationship among Perceived Value through Customer Satisfaction on Customer Loyalty with Reference to Digital Marketing	Dr. A. Madhu Prasad, Akhila N, P. Sasikumar , Dr. Sayali Satish Pande , Dr. Deepti Mishra , Dr. Guruprasad Ramakrishna Naik	Management	Migration Letters	2024	1741-8984 (P), 1741-8992 (O)
30	Enhanced Insider Threat Detection Through Machine Learning Approach With Imbalanced Data Resolution	Pennada Siva Satya Prasad, Sasmita Kumari Nayak, Dr. M. Vamsi Krishna	CSE	Journal of Theoretical and Applied Information Technology	2024	1992-8645
31	The Prospective Applications of arising Nanostructured Dielectric Materials in Storage of Energy: A Comprehensive Review	Bikash Ranjan Jena	Pharmacy	Micro and Nanosystems	2024	1876-4029

32	Effect of different integrative weed management tactics on paddy (<i>Oryza sativa</i> L.) during kharif in terai region of West Bengal	Pratonu Bandyopadhyay, Triptesh Mondal*, Parthendu Poddar and Md. Wasim Reza	Agronomy and Agroforestry	Indian Journal of Agricultural Research	2024	0367-8245
33	Pollinators diversity and pollination effects on yield attributes of sunflower (<i>Helianthus annuus</i> Linnaeus) in Odisha, India	Deepayan Padhy, Chitta Ranjan Satapathy, Shimantini Borkataki, Tanmoy Shankar, Soumik Ray, Manish Kumar Yadav, Rajesh Kalasare, Goutam B. Hosamani and V. Ramalakshmi	Agronomy and Agroforestry	Entomon	2024	0377-9335
34	Diversity of pollinators on sunflower	Deepayan Padhy, Chitta Ranjan Satapathy and Shimantini Borkataki	Entomology	Indian Journal of Entomology	2024	0367-8288
35	Root responses under water deficit stress: unraveling the impact on wheat crop and the ameliorating role of brassinolide	A.K. Sharma, J. Pradhan, S. Kumar, K.Pramanik, C. Kastury, G. Kumari, A. Jaiswal and C. Jena	Horticulture	Journal of Environmental Biology	2024	0254-8704

36	A clinical perspective of chitosan nanoparticles for infectious disease management.	F Dilnawaz *, S Acharya, A Kanungo.	Biotechnology	Polymer Bulletin	2024	0170-0839
37	Efficient Regeneration of In Vitro Derived Plants and Genetic Fidelity Assessment of Phalaenopsis Orchid	Dipika Sarmah, Priyadarshani P Mohapatra, Mahmoud F Seleiman, Tapas Mondal, Nirmal Mandal, Kartik Pramanik, Chinmaya Jena, Sumit Sow, Nawab Ali, Shivani Ranjan, Daniel O Wasonga	Horticulture	Frontiers in Sustainable Food System	2024	2571-581X
38	FPO Member Farmer Empowerment: Socio-economic Insights via Canonical Correlation Analysis	Dr. Subha Laxmi Sahoo, Mr. Biswajit Sahoo*, Dr. Sarbani Das	Agricultural Extension Education	Indian Journal of Extension Education	2024	0537-1996
39	A clinical perspective of chitosan nanoparticles for infectious disease management	F Dilnawaz *, S Acharya, A Kanungo	Biotechnology	Polymer Bulletin	2024	0170-0839
40	Synthesis of novel nanocomposite of g-C ₃ N ₄ coated ZnO–MoS ₂ for energy	Dojalisa Sahu, NR Panda	Chemistry	Chemosphere	2024	0045-6535

	storage and photocatalytic applications					
41	Structural, dielectric, and ferroelectric properties of a hot-pressed P(VDF-TrFE)-(0.67BiFeO ₃ -0.33BaTiO ₃) composite	P. S. Lekshmipriya, Saubhagyalaxmi Behera,* , Sabyasachi Parida,* , Abhisek Choudhary ,Dhiraj Kumar Rana,and Prasant Kumar Dash	Physics	J Mater Sci: Mater Electron	2024	1573-482X
42	Theranostic siRNA loaded mesoporous silica nanoplateforms: A game changer in gene therapy for cancer treatment	A Kanungo, N S Tripathy, L Sahoo, S Acharya, F Dilnawaz,*	Biotechnology	Open Nano	2024	2352-9520 (Open)
43	Study of medicinal and allelopathic effect of different weeds of Odisha, India	Ipsita Priyadarsini Samal, Sameer Jena, Srinivas Acharya, Ram Babu, Gyanranjan Mahalik*	Botany	Plant Science Today	2024	2348-1900
44	Dielectric, electrical and optical properties of a Nisubstituted double perovskite cerami	S.Mohanty, S.Behera*	Physics	Ferroelectrics	2024	150193

45	Bio inspired Boolean artificial bee colony based feature selection algorithm for sentiment classification	Anuradha; M.Vamsi Krishna; Banitamani Mallik:	Mathematics	Measurement: Sensors	2024	2665-9174
46	Evolutionary Optimization of Dominating Set-Based Virtual Backbone Cluster Scheduling for Enhancing Energy Efficiency in Asymmetric Radio WSNs	Dr.Venkateswarlu Manneppally,Dr. Banitamani Mallik, Dr. K. Anuradha, Mrs. Pratiksha G. Patil, Dr. D. Kavitha, Dr. Srinivasa Rao Dhanikonda	Mathematics	International Journal of Intelligent Systems and Applications in Engineering (IJISAE)	2024	2147-6799
47	The role of bio-based cutting fluids for sustainable manufacturing and machining processes: A holistic review	A.K. Katam, R.C. Mohanty, A. Kolakoti	Mechanical Engineering	Mechanical Engineering for Society and Industry	2023	2798-5245
48	Synergistic Effect of Naringin and Glimepiride in Streptozotocin-induced Diabetic Rats	Deepankar Rath, Biswakanth Kar, Gurudutta Pattnaik, Pallishree Bhukta	Pharmacy	Current Diabetes Reviews	2024	1573-3998
49	Osseous implications of proton pump inhibitor	Abdullah S Alanazi, Hadiyah Almutairi,	Pharmacy	Bone reports	2024	2352-1872

	therapy:An umbrella review	Jeetendra Kumar Gupta, Dibyalochan Mohanty, Deepankar Rath, Ali A AlOdan, Ahmed Mahal, Mahalaqua Nazli Khatib, Shilpa Gaidhane, Quazi Syed Zahiruddin, Sarvesh Rustagi, Prakasini Satapathy, Hashem Abu Serhan				
50	Effect of Sustain Release Property on the Development of Phenytoin Matrix Tablet by Using Different Polymers	Annanya Gangopadhyay, Budumuru Padmasri,Suvendu Sekhar Panda, Krishna Kumar,Surajit Barman,Jayita Roy,Nageswar Panda	Pharmacy	Journal of Chemical Health Risk	2024	2251-6727
51	Understanding the Concept of Speed Breeding in Crop Improvement: Opportunities and	Zafar Imam, Rafat Sultana, Rabiya Parveen, Swapnil, Digvijay Singh, Surabhi Sinha,	Genetics and Plant Breeding	Tropical Plant Biology	2024	

	Challenges Towards Global Food Security	Jyoti Prakash Sahoo				
52	Comparison of power system flow analysis methods of IEEE 5-bus system	HK Channi, R Sandhu, Nimay Chandra Giri, P Singh, FA Syam	ECE	Indonesian Journal of Electrical Engineerin g and Computer Science	2024	2502- 4752
53	Comprehensive review of the skin use of bakuchiol: physicochemical properties, sources, bioactivities, nanotechnology delivery systems, regulatory and toxicological concerns	Filipa Mascarenhas- Melo, Mariana Marques Ribeiro, Kaveh Hatami Kahkesh, Sagarika Parida, Kiran D. Pawar, K. Velsankar, Niraj Kumar Jha, Fouad Damiri, Gustavo Costa, Francisco Veiga & Ana Cláudia Paiva- Santos	Botany	Phytochem istry Reviews	2024	1572- 980X
54	Trace elements profiling of hyacinth bean (Lablab purpureus var. typicus L.): A rational screening of the breeding lines for	Sovan Debnath a b 1, Susmit Saha c, Tufleuddin Biswas d e, Sudipa Mal a b, Kaushik Batabyal a, Dibyendu Sarkar a,	Agricultural Economics and Statistics	South African Journal of Botany	2024	0254- 6299

	biofortification programs	Sharwan Lal Yadav f, Tridip Bhattacharjee g h, Mahasweta Chakraborty a b i, Arup Chattopadhyay h j, Biswapati Mandal a b				
55	Evaluation of management practices in rice–wheat cropping system using multicriteria decision-making methods in conservation agriculture	Tufleuddin Biswas, Anurup Majumder, Shamik Dey, Anwesh Mandal, Soumik Ray, Promil Kapoor, Walid Emam, Sahely Kanthal, Alessio ISHIZAKA, Adelajda Matuka	Agricultural Economics and Statistics	Scientific Reports	2024	
56	Evaluation of Phytochemicals Constituents of Gyrocarpus asiaticus Willd. and Lactuca runcinata DC for Antioxidant Activity by Molecular Docking Study	Surajit maity , Gopal krishna padhy, Lakshmi kantakanthal and Suman pattanayak,	Pharmacy	Asian Journal of Chemistry	2024	0975-427X
57	Dispute Resolution in India (Mechanism to	Dr.Pallab Das, Suraj Agarwal	Law		2023	##### #####

	Access Justice in The Mordern World)					
58	Quantifying Soil Erosion in Drought-Impacted Central Odisha, India, through Geospatial Mapping with RUSLE	Asit Kumar Dandapat, Prafulla Kumar Panda, Sovan Sankalp, and Muralitharan Jothimani	Civil	Applied and Environmental Soil Science	2024	ISSN: 1687-7667 (Print) ISSN: 1687-7675 (Online)
59	Modeling and forecasting rainfall patterns in India: a time series analysis with XGBoost algorithm	Pradeep Mishra, Abdullah Mohammad Ghazi Al Khatib, Shikha Yadav, Soumik Ray*, Achal Lama, Binita Kumari, Divya Sharma & Ramesh Yadav	Agricultural Statistics	Environmental Earth Sciences	2024	1866-6280
60	Experimental and image processing-based characterization of sustainable bio-coolant for metal removal operations	A.K. Katam, R.C. Mohanty, A. Kolakoti	Mechanical Engineering	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2024	1678-5878

61	Review of the marine energy environment-a combination of traditional, bibliometric and PESTEL analysis	Ephraim Bonah Agyekum, Tahir Khan, Jeffrey Dankwa Ampah, Nimay Chandra Giri, Wulfran Fendzi Mbasso, Salah Kamel	ECE	Heliyon	2024	2405-8440
62	Performance assessment of different sustainable energy systems using Multiple-criteria decision-making model and Self-organizing maps	Satyabrata Dash, Sujata Chakravarty, Nimay Chandra Giri *, Umashankar Ghugar, Georgios Fotis *		Technologies	2024	2227-7080
63	Unveiling the Nexus: Exploring the Impact of Corporate Governance on the Financial Performance of Acquiring Companies in the Indian Context	Debi Prasad Satapathy Tarun Kumar Soni Pramod Kumar Patjoshi	Management	Journal of Risk and Financial Management	2024	1911-8074
64	Quality by Design Assisted Revolutionizing Canagliflozine Analysis and Validation with Green Chemistry Innovations	Diptimayee Jena, Sivasankar Mohanty, Pratikshya Sarangi, Shruti Jha, Jeevika Kumari, Kirtimaya Mishra	Pharmacy	Journal of Chemical Health Risks	2024	2251-6727

	Assessment of Antioxidant Potential and Standardization of Fermented Biomedicine Balarista by High-Performance Thin-Layer Chromatography and Fourier-Transform Infrared Spectroscopy Fingerprint Analysis.	CHANDAN DAS, SANGITA MUKHI, ASHIRBAD NANDA, DEBAJYOTI DAS,	Pharmacy	Indian Journal of Pharmaceutical Sciences	2024	0250-474X
66	Forecasting Production of Potato for a Sustainable Future: Global Market Analysis	Pradeep Mishra, Amel Ali Alhussan, Doaa Sami Khafaga, Priyanka Lal, Soumik Ray, Mostafa Abotaleb, Khder Alakkari, Marwa M. Eid & El-Sayed M. El-kenawy	Agricultural Statistics	Potato Research	2024	0014-3065
67	An Overview of the Therapeutic Efficacy of (-)-Epicatechin in the Management of Diabetes Mellitus	JR Dash, G Pattnaik, G Ghosh, G Rath, B Kar	Pharmacy	The natural product Journal	2024	2210-3155
68	In-silico, in-vitro and in-vivo Biological Activities of Flavonoids for the Management of Type 2 Diabetes.	JR Dash, B Kar, G Pattnaik	Pharmacy	Current drug discovery technologies	2024	1570-1638

69	Optimizing drug discovery: surface plasmon resonance techniques and their multifaceted applications	Biswajeet Acharya, Amulyaratna Behera, Suchismeeta Behera	Pharmacy	Chemical Physics Impact	2024	2667-0224
70	Recent Advances in Nanotechnology-Based Drug Delivery Systems for the Diagnosis and Treatment of Reproductive Disorders	Biswajeet Acharya, Amulyaratna Behera, Srikant Moharana, Suchismeeta Behera	Pharmacy	Applied Bio Materials	2024	2576-6422
71	Intensity of Glycosylated Peak of Carrageenan-Induced Tear Fluid: An An In-Silico Flexible Docking with IL-B1	Nanda , Ashirbad,Sahoo , Narayan Rudra,Gour , Mahendra,Swain , Kumar Sandeep,Das , Debajyoti,Nayak , Kumar Amit,Mallick , Subrata	Pharmacy	Current drug delivery	2024	1567-2018/1875-5704
72	Evaluating maternal toxicity induced by Aqueous Extract of Bambusa vulgaris Shoot through Biochemical, Hematological, and Histopathological	Biswajeet Acharya, Amulyaratna Behera, Prafulla Kumar Sahu, Bimalendu Chowdhury, Suchismeeta Behera	Pharmacy	Advances in Bamboo Science	2024	2773-1391

	assessment in pregnant Wistar rats					
73	Phytochemical Screening and Pharmacological Study of Antidiabetic Potential and Bioactive Compounds Present in Allium Sativum	Nageswar Panda, Sai Prakash Panigrahi, Mukesh Kumar Gupta, Apoorva Kumari, Dayamany Mehta, Tamal Deb Goswami, Gorakh Nath Das, Annanya Gangopadhyay	Pharmacy	Journal of Chemical Health Risks	2024	2251-6727
74	The crucial intersection of pharmacy and cancer Research: Exploring Innovative Approaches	Dr. N. G Raghavendra Rao, Swarup Kumar Panda, Dr. Nithin Krishnan R, Dr Ram Bajaj, Dr. Sukanta Bandyopadhyay, Dr. Seema Yadav, Sailaja Sahu	Pharmacy	Journal of Chemical Health Risks	2024	2251-6727
75	Studies on Antileucodermic Properties of Dalbergia sissoo Roxb	Thejesh Kumar M.P, Praveena R, Sanghamitra Satapathy, Malathi Batchu, Suseela R.,Ponnudurai K., Chinchulkar Gayatri, Tiwari	Pharmacy	International Journal of Zoological Investigation	2024	2454 - 3055

		Richa, Patil Sharangouda J.				
76	In-Vitro Evidences for the Formulation, Development, and Evaluation of Budesonide Oral Nano-sponges	Sarita Garg , I. Raja Rajasri Pramila Devi , Vijay D Wagh , Babita Adhikary, Rohit Jaysing Bhor , Richa Tiwari , C. Divya , Bhumika Kumar , Milind Dharmraj Kamble	Pharmacy	Journal of Advanced Zoology	2024	0253- 7214
77	"Delamanid and bedaquiline – A review on analytical methods determined with recent updates on pharmacokinetics, pharmacodynamics, and drug-drug interaction,"	Kamini Sethy, K. Raja Rajeswari, Gopal Krishna Padhy	Pharmacy	Thai journal of pharmaceu tical sciences		0125- 4685
78	InVivo Assessment, Formulation, Characterization and Enhancing Pharmacotherapy of Encapsulated Mini Tablets for Immediate Release Sildenafil Citrate and Sustained Release Bosentan	Deepak Kumar Sarangi, Chandra Sekhar Patro, CH. Niranjan Patra, Sanjeeb Kumar Sahoo	Pharmacy	Journal for Medicinal Chemistry, Pharmaceu tical Chemistry, Pharmaceu tical Sciences, and Computati	2023	0975- 413X

				onal Chemistry		
79	Probiotics: Bridging the interplay of a healthy gut and psychoneurological well-being	Ashish Kumar Meher, Biswajeet Acharya, Prafulla Kumar Sahu	Pharmacy	Food Bioengineering	2024	2770-2081
80	Alcoholic Extracts of Eleusine indica as alternative diuretic regimens: A Computational based investigation	Tapan Kumar Sahu, Nityananda Sahoo, Gurudutta Pattnaik, Himansu Bhusan Samal, Amulyaratna Behera and Biswakanth Kar	Pharmacy	International Journal of Experimental Research and Review	2024	2455-4855
81	Evaluation of the growth, flower quality, yield and vase life of gerbera (Gerbera jamesonii L.) cultivars under open ventilated saw-tooth type polyhouse	Sagar Maitra, Masina Sairam and DT Santosh	Agronomy & Agroforestry	Research on Crops	2024	0972-3226
82	Selenium – An environmentally friendly micronutrient in agroecosystem in the modern era: An overview of 50-year findings	Moullick D, Mukherjee A, Das A, Roy A, Majumdar A, Dhar A, Pattanaik BK , Chowardhara B, Ghosh D,	Agronomy & Agroforestry	Ecotoxicology and Environmental Safety	2024	

		Upadhyay MK, Yadav P , Hazra S, Sarkar S, Mahanta S, Santra SC, Choudhury S, Maitra S, Mishra UN, Bhutia KL, Skalicky M, Obročník O , Barek V , Brestic M, Hossain A.				
83	Optimizing trust,Cloud Environments Fuzzy Mural Network,Intrusion Detection System	Dr. Archana B., Mrs. N. Jeebaratnam, Dr. B. Nageswara Rao, Dr. U. Sesadri, Dr. N. Shirisha, Dr. Nellore Manoj Kumar	ECE	IJISAE	2024	2147- 6799
84	Comprehensive review on agrivoltaics with technical, environmental and societal insights	R. K. Chopdar, N. Sengar, Nimay Chandra Giri, D. Halliday	ECE	Renewable and Sustainable Energy Reviews	2024	1879- 0690
85	Nitric oxide, energy and redox-dependent responses to hypoxia	Sanjib Bal Samant, Nidhi Yadav, Jagannath Swain, Josepheena Joseph, Aprajita Kumari, Afsana Praveen, Ranjan Kumar	Biotechnolog y	Journal of Experimen tal Botany	2024	0022- 0957

		Sahoo, Girigowda Manjunatha, Chandra Shekar Seth, Sneh Lata Singla-Pareek, Christine H Foyer, Ashwani Pareek, Kapuganti Jagadis Gupta				
86	Linking the increasing epidemiology of scrub typhus transmission in India and South Asia: Are the varying environment and the reservoir animals the factors behind?	Ranjan K. Mohapatra, Snehasi sh Mishra, Ashish Kumar K. Sarangi, Mahalaqua N. Khatib, Shilpa Gaidhane, Aroop Mohanty, Zahiruddin Quazi Syed, Ranjit Sah	Chemistry	Frontiers in Tropical Diseases	2024	2673- 7515
87	Influence of Hydro, Mechanical, and Chemical Treatments to Seed for Germination and Seedling Growth of Saraca asoca (Roxb. De Wilde)	Abha Manohar Kandileri, Gopal Shukla, Libin T. Louis, Anil Raj Kizha, Azamal Husen and Sumit Chakravarty	Agronomy & Agroforestry	Seeds	2024	2674- 1024
88	The processing body component VARICOSE plays a multiplayer role towards stress	Gagan Kumar Panigrahi, Annapurna Sahoo and Kunja Bihari Satapathy	Zoology	Plant Physiology Reports	2024	2662- 253X

	management in Arabidopsis					
89	Messenger RNA Surveillance: Current Understanding, Regulatory Mechanisms, and Future Implications	Rutupurna Das and Gagan Kumar Panigrahi	Zoology	Molecular Biotechnology	2024	1073-6085
90	Security check: plant immunity under temperature surveillance	Annapurna Sahoo, Kunja Bihari Satapathy and Gagan Kumar Panigrahi	Zoology	Journal of Plant Biochemistry and Biotechnology	2024	0971-7811
91	Comparison of Bioinspired Techniques for Tracking Maximum Power under Variable Environmental Conditions	Dilip Yadav, Nidhi Singh, Nimay Chandra Giri, Vikas Singh Bhadoria, and Subrata Kumar Sarker	ECE	International Journal of Intelligent Systems	2024	0884-8173
92	Revan indices and their polynomials of square snake graphs	Bhairaba Kumar Majhi, Veerabhadra ppa Kulli , Ismail Naci Cangul	Mathematics	Montes Taurus Journal of Pure and Applied Mathematics.	2024	ISSN: 2687-4814
93	Perspectives on chick embryo models in developmental and	Biswajeet Acharya, Sandip Dey, Prafulla Kumar	Pharmacy	Reproductive Toxicology	2024	0890-6238

	reproductive toxicity screening	Sahu, Amulyaratna Behera, Bimalendu Chowdhury, Suchismeeta Behera				
94	Exploration of Teratogenic Effects of Bambusa vulgaris on Wistar Rats by Evaluating Morphological and Skeletal Parameters	Biswajeet Acharya, Amulyaratna Behera, Bimalendu Chowdhury, Suchismeeta Behera, Srikanta Moharana, and Subhendu Chakroborty	Pharmacy	Macromolecular Symposia	2024	1022-1360
95	Sum connectivity delta Banhatti and product connectivity delta Banhatti indices of certain nanotubes	Majhi, B.K., Kulli, V., Cangul, I.N.	Mathematics	Montes Taurus Journal of Pure and Applied Mathematics	2023	2687-4814
96	Some topological indices of pentagonal triple chains	Majhi, B.K., Mahalank, P., Delen, S., Cangul, I.N.	Mathematics	Montes Taurus Journal of Pure and Applied Mathematics	2023	2687-4814

97	Adaptive resource allocation in NOMA-enabled backscatter communications systems	D Das, RK Khadanga, DK Rout	EEE	International Journal of Informatics and Communication Technology	2024	2252-8776
98	Analytical Method development and validation of a UV-spectrophotometric technique for Pioglitazone HCl estimation in bulk and polymeric nanoparticles	Dinesh Kumar Sharma, Gurudutta Pattnaik, Amulyaratna Behera	Pharmacy	Macromolecular Symposia	2024	1022-1360
99	Energy-efficient hybrid beamforming for millimeter-wave-based massive multiple-input multiple-output system.	Biru S, Mishra S, Singh RS, Chura S, Satapathy S.	ECE	Int J Commun Syst.	2024	
100	A green reversed phase HPLC and HPTLC methods and their validation for simultaneous estimation of remogliflozin, vildagliptin and metformin in fixed dose	Kamini Sethy, Gopal Krishna Padhy	Pharmacy	Journal of Liquid Chromatography and Related Technologies	2023	1082-6076

	combination formulation.					
101	A Review of Ultrasonic Wave Propagation through Liquid Solutions	Panda, Rajalaxmi; Panda, Subhrraraj; Biswal, Susanta Kumar	Chemistry	CURRENT MICROWAVE CHEMISTRY	2024	2213-3356
102	Platelet-rich plasma treatment for knee osteoarthritis: A systematic investigation	Gangadharan, S. B., Satapathy, S., Dixit, T., Sukumaran, C., Ravindran, S., & Parida, P. K. (2024).	Zoology	Multidisciplinary Reviews,	2023	
103	Research on risk factors for doctor burnout during COVID-19 epidemic.	Bhatnagar, G., Nidode, P., Bhatnagar, P., Satapathy, S., Maurya, T., & Kumar, G. (2024).	Zoology	Multidisciplinary Reviews,	2023	
104	Pond degradation and wildlife preservation: a geographical analysis Pond degradation and wildlife preservation: a geographical analysis	Dr. Sunita Satapathy, Dr.S Purohit, Ms.R Jyothi, Dr. V M Kapse, S. Bhattacharya, H Baher	Zoology	African Journal Of Biological Sciences	2024	ISSN : 2663-2187

105	RP HPLC enabled novel analytical method for the development and quantification of Cefuroxime axetil in its bulk drug and pharmaceutical formulations	Haragouri Mishra , Amulyaratna Behera, Sidhartha Shankar Kar ,Swagatika Dash	Pharmacy	Macromolecular symposia	2024	1022-1360
106	A Review on Ultrasonic Wave Propagation through Liquid Solutions	Rajalaxmi Panda, Subhraraj Panda* and Susanta Kumar Biswal	Physics	Current Microwave Chemistry	2024	ISSN: 2213-3364 (Online) ISSN: 2213-3356 (Print)
107	Experimental investigation of a hybrid solar dryer for vegetable drying with and without phase change material	Debashree Debadatta Behera, Ramesh Chandra Mohanty, Ardhendu Mouli Mohanty	Mechanical	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2024	1678-5878
108	Optimal Operation of Cogeneration Power Plant Integrated with Solar Photovoltaics	Butukuri Koti Reddy, Nimay Chandra Giri, Pradeep Kumar Yemula, Ephraim	ECE	International Journal of Energy Research	2024	0363-907X

	Using DLS-WMA and ANN	Bonah Agyekum, and Yogendra Arya				
109	Verification of the mechanical behavior of concrete with partial replacement of the fiber resulting from tire retreading	B. V. Bahoria, A. Ranjit, G. Laxmaiah, Manas Ranjan Padhi, Sivasubramanian Palanisamy	Mechanical	Materials Today	2024	1369-7021
110	Least Mean Squares Based Kalman Hybrid Precoding for Multi-User Millimeter Wave Massive MIMO Systems	Muluken Desalegn Woldesenbet · Satyasis Mishra · Mohammed Siddique	ECE	Wireless Personal Communications	2024	
111	Preparation and Optimization of Gemcitabine Loaded PLGA Nanoparticle Using Box-Behnken Design for Targeting to Brain: In Vitro Characterization, Cytotoxicity and Apoptosis Study	Ladi Alik Kumar, Gurudutta Pattnaik, Bhabani Sankar Satapathy*, Dibyalochan Mohanty, P.A. Prasanth, Suddhasattya Dey and Jitendra Debata	Pharmacy	Current Nanomaterials	2024	2405-4623
112	Extension strategies for bridging gender digital divide	Parnika Saha, Ajay Kumar Prusty, Chinmaya Nanda	Agricultural Extension Education	Journal of Applied Biology & Biotechnology	2024	2455-7005

113	Sustainability Assessment of Blood on Various Outdoor Surfaces Submerged in Diverse Stagnant Water Environments Over Variable Time Intervals	Saswati Mukherjee, Shruti Rajwar, Varsha Singh	Forensic Science	Archives of Legal Medicine		2950-3949
114	Recent Trends in Application of Memristor in Neuromorphic Computing: A Review	Saswat Panda, Chandra Sekhar Dash, Chinmayee Dora	ECE	Current nanoscience	2024	1573-4137
115	Impact of In ³⁺ -doped BiFeO ₃ nanoparticles prepared by direct combustion method: structural, elemental, optical, vibrational, morphology and magnetic studies	R Revathi, A Ashok, G Anitha, Anuj Kumar, M Sukumar, S Revathi, Abdullah M Al-Enizi, M Sundararajan, Bidhan Pandit, Manish Gupta, Chandra Sekhar Dash, S Yuvaraj, Mohd Ubaidullah	ECE	Journal of Materials Science: Materials in Electronics	2024	0957-4522
116	Facile Synthesis, Characterization and Dielectric Properties of Zn ²⁺ Substituted MgFe ₂ O ₄ Spinel Nanoparticles	L Rajadurai, NVSS Seshagiri Rao, M Sundararajan, Manish Gupta, Kuldeep Sharma, S Yuvaraj, Chandra Sekhar Dash,	ECE	J Inorg Organomet Polym	2024	1574-1443

		Mohd Ubaidullah, Abdullah A Al- kahtani, Ala Manohar, M Sukumar				
117	Investigation of Visible Light Driven Photocatalytic Activity of Mn Doped CuFe ₂ O ₄ Nanoparticles	A Tony Dhiwahar, S Revathi, N Mohamed Basith, Jothi Ramalingam Rajabathar, Hamad Al-Lohaedan, M Kamalakannan, M Sundararajan, Chandra Sekhar Dash, R Srimathi, Gulja S Nair, Muthusamy Karnan, L Rajadurai	ECE	Journal of Cluster Science	2024	1040- 7278
118	Photocatalytic degradation of tetracycline hydrochloride using pure and copper-doped magnesium ferrite nanoparticles: Efficiency, kinetics and mechanism	L Rajadurai, Chandra Sekhar Dash, S Revathi, A Tony Dhiwahar, M Sundararajan, Parkavi Ravisankar, Jagadeesh Kumar Alagarasan, Sonaimuthu Mohandoss, R Sambasivam	ECE	Inorg. Chem. Commun	2024	1387- 7003

119	Multivariate genetic analyses unveil the complexity of grain yield and attributing traits diversity in <i>Oryza sativa</i> L. landraces from North-Eastern India	Anjan Roy, Sanghamitra Rout , Lakshmi Hijam , Supratim Sadhu , Pavithra S , Abir Ghosh, Moumita Chakraborty, Nandita Sahana , Saurav Singla & Suddhasuchi Das	GPB&SST	Plant Science Today	2024	2348-1900
120	Electronic and half-metallic behavior of copper-doped silicon carbide armchair single-walled nanotubes using density functional theory	Dipan Kumar Das, Padmaja Patnaik, Santanu Kumar Nayak, Mandakini Barala	Physics	International Journal of Computational Materials Science and Engineering	2024	
122	Multivariate analysis of grain yield attributes and spot blotch incidence in wheat (<i>Triticum aestivum</i> L.) under sub-Himalayan agroclimatic condition	Ponaganti Shiva Kishore , Suwendu Kumar Roy, Saikat Das, S. Vishnupriya, Basid Ali , Lakshmi Hijam, Moumita Chakraborty, Puspendu Dutta , Rupsanatan	GPB&SST	Electronic Journal of Plant Breeding	2024	0975-928X

		Mandal and Sanghamitra Rout				
123	Genetic variability and character associations for grain yield and other secondary traits in little millet (<i>Panicum sumatrense</i> L.) at Eastern Ghats Zone of Odisha	Rupali Behera , Ashok Singamsetti, Sanghamitra Rout , Satyabrata Nanda and Siddhartha Shankar Sharma	GPB&SST	Electronic Journal of Plant Breeding	2024	0975- 928X
124	Study on Low-Velocity Impact Performance of Chemical Treated Flax Fibre-Reinforced Aluminium 6082 Laminates	M Vinod, C Anil Kumar, Shrishail B Sollapur, Santosh Patro, Mahesh M Kawade, G Kishore Chowdari, Saravana Bavan	Mechanical	Journal of Institute of Engineers (India) : Series - D	2024	2250- 2122
125	Investigation of Mechanical and Metallurgical Properties of Friction Welded Joints for Dissimilar Metals (HSS M2 and EN8 Steel)	N G Siddeshkumar, C Durga Prasad, R Suresh, K R Varun, Santosh Patro, Sandeep Kore, Sanjay Ramchandra Pawar, T A Sudarshan	Mechanical	Journal of Institute of Engineers (India) : Series - D	2024	2250- 2122
126	IN SILICO DOCKING ANALYSIS OF PHYTOCHEMICAL CONSTITUENTS	Abdul Rasheed. A. R, K. Sowmiya, Sufia Naseem, Suraj Mandal ,	Pharmacy	COMMUN ITY PRACTITI ONER	2024	1462 2815

	FROM TRADITIONAL MEDICINAL PLANTS: UNVEILING POTENTIAL ANXIOLYTIC ACTIVITY AGAINST GABA, DOPAMINE D2, DOPAMINE D3, AND SEROTONIN RECEPTORS	Surya Pratap Singh, Habibullah Khallullah, Nageswar Panda and Dr. Keshamma. E				
127	Envisioning Clinical Management of Breast Cancer: a Comprehensive Review	Shubhashree Das 1, Gurudutta Pattnaik 1, Sovan Pattanaik 2, Bikash Ranjan Jena 1, Bhabani Sankar Satapathy 2, Ayushi Pradhan 1	Pharmacy	Current Drug Discovery Technologies	2024	1875- 6220
129	Development and Performance Analysis of an Automatic Core Cutter for Elephant Apple (<i>Dillenia indica</i> L.) Processing	Deepanka Saikia, Radhakrishnan Kesavan, Minaxi Sharma, Baskaran Stephen Inbaraj, Prakash Kumar Nayak and Kandi Sridhar	Agricultural Engineering	Foods	2024	2304- 8158
130	Gasotransmitters signaling and their crosstalk with other	Prajjal Dey, Debasish Pattanaik, Debasish	Crop Physiology	South African	2024	

	signaling molecules under diverse stress conditions in plants	Mohapatra, Debanjana Saha, Deepali Dash, Ankita Mishra, Lipilipsa Priyadarshinee, Anupama Singh, Padmini Swain, MJ Baig, Bhagwat Singh Kherawat, Sang-Min Chung, Manu Kumar, Meenakshi Badu, Rajesh Kumar Singhal, Dinkar Gaikwad, M Nasir Khan, Swati Manohar, Mahipal Singh Kesawat		Journal of Botany		
131	Development of an immunochromatographic test strip to detect pneumolysin by monoclonal antibody capture method	Somya Sephalika, Nirmal K. Mohakud, Ayman K. Johargy, Naif A. Jalal, Farkad Bantun, Aditya K. Panda, Raju K. Mandal, Shafiul Haque, and Bikash Ranjan Sahu	Zoology	Journal of King Saud University - Science	2024	1018-3647

132	In Vivo Hepatoprotective Activity of Hydroalcohol Extract of Gyrocarpus asiaticus Willd and Lactuca runcinata DC	Surajit Maity, Gopal Krishna Padhy, Lakshmi Kantakanthal and Suman Pattanayak	Pharmacy	Journal of Natural Remedies	2024	97255 47
133	Potential of Lactuca and Gyrocarpus Species: A Comprehensive Review	Surajit Maity, Gopal Krishna Padhy, Lakshmi Kantakanthal and Suman Pattanayak	Pharmacy	Internation al Journal of Pharmaceu tical Quality Assurance	2024	
134	Heavy metal stress in the agro-environment: consequences, adaptations and remediation	D. Moulick, D. Hossain, A., Barek, V., Chowardhara, B., Mukherjee, A., Pattnaik, B.K., Roy, P., Mahanta, S., Hazra, S., Sarkar, S., Garai, S, Ghosh, S, Bhutia, K.L., Choudhury, S., Ghosh, D., Santra, S.C., Pramanick, B., Karmakar, S., Atta, K., Dutta, D., Shankar, T., Sahoo, U., Sairam, M.,	Agronomy & Agroforestry	Internation al Journal of Environme ntal Science and Technolog y	2024	1735- 1472

		Gangundi, S., Maitra, S., Brestic, M., Skalicky, M.				
135	Acoustical Analysis of Dextran+urea: Insights into Molecular Interactions	Subhrraraj Panda	Physics	Recent Innovation s in Chemical Engineerin g	2024	ISSN (Print): 2405- 5204 ISSN (Onlin e): 2405- 5212
136	Exploring Ultrasonic Wave Transmission in Liquids and Liquid Mixtures: A Comprehensive Overview	1Niharika Dasa, 2Manoj Kumar Praharaj and 1Subhrraraj Panda*	Physics	Journal of Molecular Liquids	2024	
137	Advances in Periodontal Drug Delivery Systems and the Role of Probiotics in Periodontitis Treatment	Pratikshya Mohanty 1, Kalpita Bhatta 1*, Itishree Jogamaya Das 2 and Himansu Bhusan Samal 3*	Botany	Journal of ANGIOTH ERAPY	2024	ISSN 2207- 872X
138	Dielectric and Electrical Behavior of Apraseodymium Based Tungsten Bronze Ceramics	Saraswati Devi, Saubhagyalaxmi Behera, Srikanta Moharana, Subhendu	Physics	Macromole cular Symposia	2024	10221 360

		Chakroborty, Arundhati Barik				
139	Python code for modeling ARIMA-LSTM architecture with random forest algorithm[Formula presented]	Achal Lama a,1, Soumik Ray b,*,1, Tufleuddin Biswas b, Lakshmi Narsimhaiah c, Yashpal Singh Raghav d, Promil Kapoor e, K.N. Singh a, Pradeep Mishra f, Bishal Gurung g	Agricultural Statistics	Software Impacts	2024	2665-9638
140	contributing to the current challanges in IAM		Forensic sciences	Educational Administration theory and practice	2024	1300-4832
141	Crypto Currency In India: A Qualitative Analysis Of Prospects And Difficulties; A Thematic Research	Dr.K. Ganeshkumar1*, Dr. S. Vijayalakshmi2, Dr. Rajani Agrawalla3, Dr. Sindhu K4, Ms. Diana Erudiyathan5, Dr.R.Santhosh6	Management	Educational Administration: Theory and Practice	2024	2148-2403

142	Effect of low Ni-substitution on optical, dielectric and magnetic properties of double perovskite $\text{Mg}_2\text{FeNbO}_6$	S. Mohanty, S. Satapathy, M. Nayak, S. Rai, R. Singh, S. Behera *	Physics	Inorganic Chemistry communications	2024	1387-7003
143			Pharmacy			
144	An open call for nano-based therapy to address COVID-19 and oncological clinical conditions	Rasmita Dash, Rudra Narayan Sahoo, Gurudutta Pattnaik, Ashish K. Sarangi, Venkata Rama Kandi, Snehasish Mishra, Sarika Verma, Ranjan K. Mohapatra	Pharmacy	International Journal of Surgery	2024	1743-9159
145	Enhanced electrochemical capacitance of titanium oxide nanoparticles using low-energy nitrogen ion irradiation	Patro, A., Rajbhar, M. K., Chatterjee, S., Sithara, Rout, C. S., & Dhal, S	Physics	New Journal of Chemistry	2024	
146	Prediction of Groundwater Level Changes Based on Machine Learning Technique in Highly Groundwater Irrigated Alluvial Aquifers of	Sushindra Kumar Gupta, Sashikanta Sahoo, Bibhuti Bhusan Sahoo, Prashant K. Srivastava, Brijendra Pateriya, Santosh D.T.	Agricultural Engineering	Physics and Chemistry of the Earth, Parts A/B/C	2024	1474-7065

	South-Central Punjab, India					
147	Green synthesis of silver nanoparticles decorated on graphene oxide for crystal violet dye removal	Juhi Rath , Jitendra Kumar Sahoo , Shrabhan Kumar Sahoo*,Bodala Komali,Rahul Raj Meher, Sivalanki Madhuri, Susanta Kumar Biswal	Chemistry	Diamond and Related Materials	2024	0925-9635
148	Development of time–cost trade-off optimization model for construction projects with MOPSO technique	Aditya Kumar Agarwal,Shyamveer Singh Chauhan,Kamal Sharma,Krushna Chandra Sethi	Civil Engineering	Asian Journal of Civil Engineerin g	2024	1563-0854
149	Development of discrete opposition-based NSGA-III model for optimizing trade-off between discrete time, cost, and resource in construction projects	Krushna Chandra Sethi, V. Rathinakumar, S. Harishankar, Gautam Bhadoriya,Aditya Kumar Pati	Civil Engineering	Asian Journal of Civil Engineerin g	2024	1563-0854
150	Ethanobotanical Use, Phytochemistry and Pharmacological Activities of Clerodendrum colebrookianum (Lamiaceae)	Aniya Teli, Diptimayee Jena, Lunasmrita Saikia, Nur Shaid Mondal, Saikat Sen, Kirtimaya Mishra,	Pharmacy	Current Nutriotion and food science		1573-4013

		Manish Kumar Gautam				
151	Enhancing banana production through effective fertigation frequency management and plastic mulch: Impacts on crop growth and yield	Santosh D T, Sagar Maitra, K N Tiwari	Agricultural Engineering	Research on Crops	2024	0972-3226
152	Growth and Productivity of Maize (Zea mays L.) as Influenced by Precision Nutrient Management and Intercropping Cowpea (Vigna unguiculata L.) under Hot and Sub-humid Region of Odisha	Upasana Sahoo, Ganesh Chandra Malik, Mahua Banerjee, Sagar Maitra, Masina Sairam1, Monotoshdas Bairagya	Agronomy	Agricultural Science Digest	2024	0976-0547
153	Reflective Teaching for better Learning	Ms Janice D Souza, Dr. Tapan Kumar Panda	English	International Journal of Novel Research and Development	2024	2456-4184
154	Utilization and Economics of Microfinance Under Self-Help Groups: A	Kadir, A., Majumder, S.H. and Mondal, B.	Agricultural Economics and Statistics	Economic Affairs	2024	0424-2513

	Micro-Level Analysis from Tripura.					
155	Eriochrome Black T dye removal from an aqueous solution using graphene oxide-modified activated carbon materials	Juhi Rath, Jitendra Kumar Sahoo, Rakesh Kumar Sukla, Anil Pradhan, Susanta Kumar Biswal, Preetilata Dwivedy & Shraban Kumar Sahoo	Chemistry	Indian Chemical Engineer	2024	0019-4506
156	Different strategies to improve photocatalytic activity of graphitic carbon nitride (g-C ₃ N ₄) semiconductor nanomaterials for hydrogen generation	Pravakar Mallick, Shraban Kumar Sahoo, Santosh Kumar Satpathy	Chemistry	Journal of Molecular Liquids	2024	0167-7322
157	ENHANCEMENT AND EVALUATION OF SOURSOP (ANNONA MURICATA L.) LEAF EXTRACT IN NANOEMULGEL: A COMPREHENSIVE STUDY INVESTIGATING ITS OPTIMIZED FORMULATION AND	Mahaveer Singh , T. Naga Aparna , Vasanthi. S , Suraj Mandal , Lalita Shashikant Nemade , Sharang Bali and Dr. Nihar Ranjan Kar *	Pharmacy	Community Practitioner	2024	1462-2815

	ANTI-ACNE POTENTIAL AGAINST PROPIONIBACTERIU M ACNES, STAPHYLOCOCCUS AUREUS, AND STAPHYLOCOCCUS EPIDERMIDIS BACTERIA					
158	Electrospun nanofiber for drug delivery applications: a review	Pratikshya Mohanty, Himansu Bhusan Samal, Kalpita Bhatta & Srikanta Moharana	Botany	Polymer- Plastics Technolog y and Materials	2024	2574- 0881
159	Development of discrete opposition- based NSGA-III model for optimizing trade-off between discrete time, cost, and resource in construction projects	Krushna Chandra Sethi, V. Rathinakumar, S. Harishankar, Gautam Bhadoriya, Aditya Kumar Pati	Mathematics	Asian Journal of Civil Engineerin g	2024	1563- 0854
160	A Novel Approach of Cloud Computing Network for Authentication and Security Enhancement of IoT Enabled Cancer Forecasting System	Anusha Ampavathi, Dhawaleswar Rao CH, T. Nagalakshmi, S. Muruganandam, N. Magendiran, I. Naga Padmaja, K.	CSE	Journal of Electrical Systems	2024	1112- 5209

		Selvam, Manasa Bandlamudi				
161	Formulation and Characterization of Simvastatin-Loaded Nanosponges: An Innovative Technique for Colon-Targeted Drug Delivery	Vanapalli Swapna, Rajeswari Saripilli, Kudumala Sravya, Dinesh Kumar Sharma	Pharmacy	Current Nanomedicine	2024	2468- 1873
163	Release Profile and Cytotoxicity Study of Modified Doxorubicin Nanoparticles	Sumanta Sen, Biswajit Mukherjee, Gurudutta Pattnaik, Manoj Pani	Pharmacy	Journal of Chemical Health Risks	2024	2251- 6727
164	ADVANCES IN CONSERVATION BIOLOGY: PIONEERING EFFORTS IN CAPTIVE BREEDING AND LARVAL REARING OF THE ENDEMIC ORNAMENTAL FISH, MOUSTACHED DANIO (DANIO DANGILA)	Mangesh M. Bhosale, Rohini R. Mugale, Jaiswar Rahul Ramasre, Srinu Rathlavath, Manish K. Yadav and G. Vidya Sagar Reddy	Aquaculture	Annals of Forest Research	2024	1844- 8135
165	Employment scope for fisheries professionals in India and	Deepika, Mangesh M. Bhosale* and Jaiswar Rahul	Aquaculture	International Journal of	2024	2618- 0723

	Chhattisgarh: A case study			Agriculture Extension and Social Development		
166	An Insight into Different Experimental Models used for Hepatoprotective Studies: A Review	Sucharita Babu, Santosh K Ranajit, Gurudutta Pattnaik, Goutam Ghosh, Goutam Rath and Biswakanth Kar	Pharmacy	Current drug delivery technologies		1570-1638
167	Dengue fever coinfection in COVID-19 era: A public health concern	Soumya Jal, Sangeeta Chhotaray, Gurudutta Pattnaik, Snehasish Mishra, Ranjan K. Mohapatra, Venkataramana Kandi, Md. Kudrat-E-Zahan	Microbiology	Health Science Reports	2024	2398-8835
168	Extraction and Characterizations of Viral Protein Particles: A methodological study	Manoswini Manoswini, Madhuchhanda Mohanty, Amrito Ghosh Majumdar, Bikash R. Sahu, Priti Sundar Mohanty	Zoology	BioNanoScience	2024	2191-1649

169	Sustainable Health Practices: Ethnobotanical Insights into Seasonal Plants of Kalahandi, Western Odisha, India for Food and Medicine	Biswajeet Acharya, Amulyaratna Behera, Prafulla Kumar Sahu, Suchismeeta Behera	Pharmacy	Ethnobotany Research and Applications	2024	1547-3465
170	Carbon quantum dots: A systematic overview of recent developments in synthesis, properties, and novel therapeutic applications	Biswajeet Acharya, Amulyaratna Behera, Suchismeeta Behera, Srikanta Moharana	Pharmacy	Inorganic Chemistry Communications	2024	1387-7003
171	The underlying causes, treatment options of gut microbiota and food habits in type 2 diabetes mellitus: a narrative review	Krishnendu Adhikary, Riya Sarkar, Sriparna Maity, Ipsita Banerjee, Prity Chatterjee, Koushik Bhattacharya, Deepika Ahuja, Nirmalya Kumar Sinha, Rajkumar Maiti	Applied and Clinical Microbiology	Journal of Basic and Clinical Physiology and Pharmacology	2024	2191-0286
172	Types of Fund and Fund Management in Private Hospitals of India	Rashmikanta Tripathy, Susanta Kumar Mishra	MBA	Educational Administration : Theory and Practice	2024	2148 - 2403

173	Development and Characterization of Modified Dosage Forms of Azilsartan Medoxomil for Improved Solubility and Oral Bioavailability	Biswaranjan Das, Abinash Patra, Kazi Julekha, Jayesh Baldota, Nirmalya Dutta, Monalisa Malakar, Darshan Vinod Shah, Shilpi Prasad, Anil Kumar*	Pharmacy	African journal of Biological sciences	2024	2663-2187
174	Fission modes in ^{223}Ac and ^{227}Pa compound nuclei	S. Ramakrishna Reddy, A. Pal, 2,3 S. K. Duggi, T. Santhosh, 2,3 Pankaj Shah, 4 Tanya Singh, K. Prameela, V. V. Parkar, N. N. Deshmukh, P. K. Rath, Ramandeep Gandhi, S. Santra, P. C. Rout, E. Prasad, P. V. Madhusudhana Rao, and S. Appannababu	Physics	PHYSICAL REVIEW C 110, 014622 (2024)	2024	2469-9985
174	Internet of things-based remote monitoring and classification of Spinacia oleracea leaf	Swarna Prabha Jena, Sujata Chakraborty	ECE	International Journal of Web and Grid Services.	2024	1741-1106

	disease using deep learning approach					
175	Crop establishment methods and herbicide mixtures induced weed dynamics, productivity, and profitability of summer rice	Alena Nongmaithem , Ashirbachan Mahapatra* , Rajesh Shriram Kalasare, Saurav Barman	Agronomy and Agroforestry	Journal of Applied Biology and Biotechnology	2024	2455-7005
176	COST-RETURN STRUCTURE AND FARMERS' OPINIONS ON CASHEW NUT CULTIVATION: A COMPARATIVE STUDY OF SMALL AND LARGE SCALE FARMERS FROM INDIA	Kalee Prasanna Pattanayak, Brijlal Mallik, Sudhakar Tripathy, S.Kameswar Rao, Chitrasena padhy	Management	Revista de Gestão Social e Ambiental	2024	1981-982X
177	Effect of Fruit Waste Substrate Concentration and pH on Biogas Production by Mixed Culture	Subhadarshani Satapathy, Shubham Sharma	Civil Engineering	Journal of The Institution of Engineers (India): Series A	2024	2250-2157
178	Current Challenges in Understanding Influenza Virus Impact on Penguin Colonies	Ashish Kumar Sarangi, Lizarane Tripathy, Ahmed	Chemistry	Frontiers in Pharmacology	2024	1663-9812

	and it's further globalization: A Narrative Review	Mahal, Himansu B. Samal				
179	DESIGNING, SYNTHESIZING, AND ASSESSING THE BIOLOGICAL ACTIVITY OF INNOVATIVE THIAZOLIDINEDIONE DERIVATIVES WITH DUAL FUNCTIONALITY	Swagatam Sahoo, Shubham Gupta, Sriparna Chakraborty, Keshamma E, Debashis Purohit, Jailani. S, Santosh Kumar Ranajit, Chintan P. Somaiya, Nihar Ranjan Kar*, Suraj Mandal	Pharmacy	African Journal of Biological Sciences(South Africa)	2024	97-111
180	Nano-Sized Al ₂ O ₃ –Gr Reinforced Al7075 Hybrid Composite: Impact of Cooling Agents on Mechanical, Wear, and Fracture Behavior	Babu Erappa Rajj,Madeva Nagaral,Sanjay Chintakindi,Raman Kumar*, Alauldeen A. Duhduh,Gedala Sridevi,Raman Kumar,Choon Kit Chan	Mechanical	ACS omega	2024	2470-1343
181	Biological evaluation of nutritional traditional fruit Magnifera camptosperma against diabetes and hyperlipedemia	Bichitrananda Tripathy, Nityananda Sahoo, Sudhir Kumar Sahoo	Pharmacy	PHARMACOLOGICAL RESEARCH-MODERN CHINESE	2024	2667-1425

				MEDICINE		
182	Turmeric crop farming potential under Agrivoltaic system over open field practice in Odisha, India	Nimay Chandra Giri and RC Mohnaty	ECE	Environment, Development and Sustainability	2024	1387-585X
183	Examining the phytochemical analysis and antiarthritic effects of melia azedarach leaf extract: a Herbal approach of arthritis management	Uttam Prasad Panigrahy , Swarnajeet Tripathy, Pratima Shinde, Arun Nivas Velumani, Bidhya Sharma, Pratyushpal Kashyap, Chamta Gurung, Ananya Bhowmick and Anil Kumar	Pharmacy	Community Practitioner	2024	1462 2815
184	Progress in the Optimization of Compositional Design and Thermomechanical Processing of Metastable β Ti Alloys for Biomedical Applications	Pradeep Raja C, Karthik Babu N B, Rajesh Kannan A, Vigneshwaran Shanmugam, Balaji N S, Rishikant Sahani, Laxmidhar Behera, Pugazhenth A,*	Civil Engineering	ACS Biomaterials Science & Engineering	2024	

		and M. R. Thansekhar				
185	ADVANCEMENTS IN NANOGEL BASED DRUG DELIVERY SYSTEMS: CURCUMIN LOADED FORMULATION FOR IMPROVED MANAGEMENT OF ACUTE PAIN THERAPY	Anwar Khan1*, Poulami Sen2, Ashok Kumar3, Archana Pramod Shaha4, Shilpa Chandel5, Nageswar Panda6, Sumit Kumar Maharana7	Pharmacy	African Journal of Biological Sciences(South Africa)	2024	2663-2187
186	"Acoustic behavior of electrolytes in aqueous dimethyl sulphoxide as a solvent at different temperatures"	Rajalaxmi Panda · Subhrraraj Panda · Susanta Kumar Biswal	Physics	Journal of Thermal Analysis and Calorimetry	2024	ISSN: 1388-6150 (print); 1588-2926 (web)
187	A Random Forest-Convolutional Neural Network Deep Learning Model for Predicting the Wholesale Price Index of Potato in India	Soumik Ray1 · Tufeuddin Biswas1 · Walid Emam2 · Shikha Yadav3 · Priyanka Lal4, · Pradeep Mishra5	Agricultural Economics and Statistics	Potato research	2024	0014-3065
188	Static Simulation of Polycentric Prosthetic Knee for Structural Compliance	Rajesh Kumar Mohanty, R.C. Mohanty, Sukanta Kumar Sabut	Mechanical Engineering	International Journal on Interactive	2024	1955-2513

				Design and Manufacturing		
189	ROLE OF CLEAN ENERGY FOR THE ATTAINMENT OF SUSTAINABLE LIVELIHOOD: A CASE STUDY	Shiv Sankar Das, Debashree Debadatta Behera, Ramesh Chandra Mohanty, Bijaya Bijeta Nayak, Akankshya Patnaik, Chinmaya Kumar Dash	Management	Environmental Engineering and Management Journal	2024	1582- 9596
190	Heat and Mass Transport aspects of Nanofluid Flow towards a Vertical Flat Surface influenced by Electrified Nanoparticles and Electric Reynolds Number	Aditya Kumar Pati, Sujit Mishra, Ashok Misra, Saroj Kumar Mishra	Mathematics	East European Journal of Physics	2024	2312- 4334
191	Numerical solution of Bernoulli and Lane Emden type differential equation by Laplace-Adomian technique.	Itishree Sahu, Satyajit Mohapatra, Saumya Ranjan Jena, Archana Senapati	Mathematics	Nonlinear Studies journal	2024	1359- 8678
192	Effects of Electrification and Transverse Force on	Jayaprakash Mishra, Tumbanath Samant	Mathematics	CFD Letters	2024	2180- 1363

	Dusty Flow over a Linear Stretching Sheet	ara, Pradeep Kumar Tripathy				
193	Radiation effect on convective boundary layer dusty flow over a stretching surface	Pradeep Kumar Tripathy, Tumbanath Samantara, Subhrajit Kanungo	Mathematics	AIP Advances	2024	2158-3226
194	Recent advances on entropy analysis of composite nanofluids-A critical review	S.S. Samantaray, A. Misra, S. Shaw, M.K. Nayak, S. Nazari, Imed Boukhris, Ali J. Chamkha	Mathematics	Results in Engineering,	2024	2590-1230
195	Darcy-Forchheimer hybrid nanofluid flow in an asymmetric channel with an exponential heat source, variable thermal conductivity, and activation energy	Thamizhselvi V., Sreelakshmi K., Sarojamma G., Vajravelu K., Misra A. & P. V. Satya Narayana	Mathematics	Numerical Heat Transfer, Part A: Applications	2024	1040-7782
196	Control of magnetic dissipation and radiation on an unsteady stagnation point nanofluid flow: A numerical approach	Chandini Pattanaik, P; Jena, S; Mishra, SR	Mathematics	Modern Physics Letters B	2024	0217-9849
197	Three-Dimensional MHD Rotating flow of Radiative Nanofluid over a Stretched Sheet	S. Jena ^{1*} , K. Swain ^{2**} , S. Mohammed Ibrahim ^{3***} , P.	Mathematics	, Journal of Engineering	2024	1810-2328

	with Homogeneous-Heterogeneous Chemical Reactions	Sreenivasulu4****, and G. Lorenzini5		Thermophysics		
198	NATURAL PRODUCTS AS SOURCES OF DRUG DISCOVERY: EXPLORATION, OPTIMISATION, AND TRANSLATION INTO CLINICAL PRACTICE	Suraj Mandal*, Nihar Ranjan Kar, Aditya Vikram Jain, Preeti Yadav	Pharmacy	African Journal of Biological Sciences(South Africa)	2024	2663-2187
199	Feature Extraction and Classification of Power Quality Disturbances Using Optimized Tunable-Q Wavelet Transform and Incremental Support Vector Machine	Samanta, I.S., Rout, P.K., Swain, K., Mishra, S., & Cherukuri, M.	ECE	International Transactions on Electrical Energy Systems	2024	2050-7038
200	An Experimental Study on Phytochemical Screening and In-Vivo Antipyretic activity of SCUTIA MYRTINA leaves	Helen Sonia, Abinash Patra, Vinay Kumar Gupta, Vivek Chourasia, Pooja Khanpara, Anil Kumar, Pratima Bisen, Rohit Kumar Trivedi, Mathews T Thelly	Pharmacy	African Journal of Biological Sciences(South Africa)	2024	2663-2187

201	Elucidating Mycotoxin-Producing Aspergillus Species in River Water: An Advanced Molecular Diagnostic Study for the Assessment of Ecological Health and Contamination Risk	R.Ravikiran,G.Raghu, B. Praveen	Plant pathology	Nature Environment and Pollution Technology An International Quarterly Scientific Journal	2024	e-ISSN: 2395-3454
202	Exploring the Anticancer Potential of Novel Benzofuran Substituted Chalcones	Alok Kumar, Dr. Anuja P. Bhosale, Dr. Jyoti Pandey, Dr. Vinay Hiralal Singh, Dr. Gajanan Chandrakant Upadhye, Dr. Supriya Gupta, Rokade Gaurav Gahininath, Dr. Udaybhan Yadav, Annanya Gangopadhyay, Suraj Mandal	Pharmacy	African journal of biological sciences	2024	2663-2187
203	RF Electromagnetic Energy Harvesting for Smart Sensors in Smart Communication Systems-A Review	Lalbabu Prasad, Harish Ch. Mohanta	ECE	Tuijin Jishu/Journal of Propulsion	2024	1001-4055

				Technolog y		
204	0378-7796	Abinash Rath, S Gopalakrishna	EEE	Electric Power Systems and Reasearch	2024	0378- 7796
205	Green Synthesis of Zinc Oxide Nanoparticles Derived from Solanum Nigrum Leaf Extract: An Analysis of the Structural, Optical, and Antibacterial Properties	Helen Merina Albert, Nellore Manoj Kumar, Archana Asatkar, J. Madhuri Sailaja, N. Mani Mala, Vaishnavi Raja, and Kalpita Bhatta	Botany	Nano	2024	1793- 2920 1793- 7094
206	Efficacy of broad- spectrum herbicide mixtures on weed flora in wet direct seeded rice (Oryza sativa L.) in the east coast plain region of India	Sunita Meher, Sanjoy Saha, Nitish tiwari, Ashirbachan Mahapatra, Jagadish Jena and Minu Mohan	Agronomy	Research on Crops	2024	2348- 7542
207	A SYSTEMATIC REVIEW ON ETHNOMEDICINAL AND PHYTOPHARMACOL OGICAL APPROACH OF ACALYPHA INDICALEAF USED	Mrs Prangya Paramita Pati, *Dr.Nihar Ranjan Kar, Dr.Prasanta Kumar Biswal	Pharmacy	African Journal of Biological Sciences(S outh Africa)	2024	2663- 2187

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208	Ecucidating earthworm growth and fecundity in vermiculturing, and its bioeffiecincy in vermicomposting.	Lipika Pandit, Debadutta Sethi, Yahaswi Nayak, Susant Kumar Pattnayak	Zoology	Environme nt Developme nt and Sustainabil ity	2024	-
209	State of the art in energy consumption using deep learning models	Shikha Yadav,1,a) Nadjem Bailek,2,3,4 Prity Kumari,5,b) Alina Cristina Nu ța,6,c) Aynur Yonar, 7,d) Thomas Plocoste, 8,e) Soumik Ray, 9,f) Binita Kumari, 10,g) Mostafa Abotaleb, 11,h) Amal H. Alharbi, 12 Doaa Sami Khafaga,12 and El- Sayed M. El- Kenawy13	Agricultural Economics and Statistics	AIP Advances	2024	2158- 3226
210	Seedbed management, transplanting methods and irrigation regimes influence the growth, productivity and	Mondal, M., Biswas, B., Garai, S., Jana, S., Dey, S., Mandal, T.K., Maitra, S., Skalicka, J.,	Agronomy & Agroforestry	Discover Sustainabil ity	2024	2662- 9984

	economics of summer rice (<i>Oryza sativa</i> L.)	Skalicky, M., Gaber, A., Hossain, A.				
211	Performance Evaluation of Different Finger Millet (<i>Eleusine coracana</i> L. Gaertn.) Cultivars for Growth, Productivity and Nutrient Quality of Grains Under Hot and Subhumid Region of Odisha	Mukesh, G., Sairam, M., Maitra, S., Gaikwad, D.J., Anuradha, N., Upasana Sahoo, U., Pal, S.	Agronomy & Agroforestry	International Journal of Experimental Research and Review	2024	2455-4855
212	Growth, productivity and quality of colored capsicum (<i>Capsicum annuum</i> L.) as influenced by hybrids and plant growth regulators under controlled environment conditions	Maitra, S., Sairam, M., Santosh, D.T., Gaikwad, D.J., Sahoo, U.	Agronomy & Agroforestry	Research on Crops	2024	0972-3226; eISSN: 2348-7542
213	Production technology and reality based challenges in button mushroom production in Odisha	Karmakar, S., Das, S.	Plant Pathology	Journal of Mycopathological Research	2024	ISSN : 0971-3719 (Print), 2583-6315 (Online)

214	Dry Matter Accumulation and Physiological Growth Parameters of Maize as Influenced by Different Nutrient Management Practices	Sairam, M., Maitra, S., Sain, S., Gaikwad, D.J. and Sagar, L.	Agronomy & Agroforestry	Agricultural Science Digest	2024	0253-150X
215	Antioxidant, Anti-inflammatory and Anthelmintic Activities of Traditionally used Ocimum basilicum L., and Ocimum tenuiflorum L. Extract Loaded Emulsion	Annanya Gangopadhyay, Suvendu Sekhar Panda, Budumuru Padmasri, Nageswar Panda	Pharmacy	International Journal of Pharmaceutical Quality Assurance	2024	0975-9506
216	Crop-weather relationship of finger millet varieties under varying environments at Keonjhar, Odisha	M. RAY ¹ , P.K. ROUL ² , A. BALIARSINGH ² , SOUMIK RAY ³ , R.K. TIWARI ⁴ , PROMIL KAPOOR ⁵ , SHIKHA YADAV ⁶ and PRADEEP MISHRA ^{4*}	Agricultural Economics and Statistics	Journal of Agrometeorology	2024	2583-2980
217	ROLE OF CORPORATE SOCIAL RESPONSIBILITY IN ENHANCING	Dr. Gajanan Lokdiba Shendge ¹ , Mrs. Sonia Panigrahi ² , Dr. Suprava Sahu ³ ,	Agronomy and Agroforestry	African Journal of Biological sciences	2024	2663-2187

	ORGANIZATIONAL PERFORMANCE	Dr. T. Amutha ⁴ , Dr. Sashikala V ⁵ , Brahma Edwin Barreto ⁶				
218	Redefining Higher Education Institutions With Artificial Intelligence: A Teacher's Perspective	Dr. B. Neelambaram ¹ , Dr. P Padma Ganga ² , Antonyraj J M ³ , Sonia Panigrahi ⁴ , Dr. Shakti Awasthi ⁵ , Dr. Brahma Edwin Barreto ⁶	Agronomy and Agroforestry	Nanotechnology perceptions	2024	1660-6795
218	Revolutionizing lemon grading: an automated CNN-based approach for enhanced quality assessment	Samriddha Sanyal, Rahul Adhikary, Suvra Jyoti Choudhury	Soil Science	International Journal of Information Technology (Singapore)	2024	2511-2104
219	Global and Local Determinants of Gold Prices: Insights from the US, India, and China	Jyotirmayee Sahoo,Arya Kumar,Rupsa Mohapatra,Rajani Agrawalla	Management	Journal of Informatics Education and Research	2024	1526-4726
220	Development of optimization model for balancing time, cost,	Krushna Chandra Sethi,Umashankar Prajapati,Ashwin	Civil Engineering	Asian Journal of Civil	2024	1563-0854

	and environmental impact in retrofitting projects with NSGA-III	Parihar,Chayan Gupta,Gaurav Shrivastava,Kamal Sharma		Engineerin g		
221	Structure-based discovery of F. religiosa phytochemicals as potential inhibitors against Monkeypox (mpox) viral protein	Ranjan K. Mohapatraa, Ahmed Mahal, Pranab K. Mohapatra, Ashish K. Sarangi, Snehasish Mishra, Meshari A. Alsuwat, Nada N. Alshehri, Sozan M. Abdelkhalig, Mohammed Garout, Mohammed Aljeldah, Ahmad A. Alshehri, Ahmed Saif, Mohammed Abdulrahman Alshahrani, Ali S. Alqahtani, Yahya A. Almutawif, Hamza M. Ali, Faisal M Albaqamin, Mohnad Abdalla, Ali A. Rabaan	Chemistry	Journal of Biosafety and Biosecurity	2024	2588- 9338

222	A Deep Learning and Optimization-Aided Intrusion Detection Framework for Adaptive Threat Detection in Dynamic Public Cloud Environments	Banitamani Mallik, Kilaru Madhavi, K. Anuradha, D. Kavitha, K. Prathibha, Nanda Kumar Enjeti	Mathematics	International Journal of Intelligent Systems and Applications in Engineering (IJISAE)	2024	2147-6799
223	Microbial Biosurfactant: A new verge for sustainable agriculture	Pralaya Kumar Sahoo, Shashikant Sahoo, Debasis Pradhan, Arun Kumar Pradhan	Paramedics	International journal of current research in Life sciences	2024	2319-9490
224	Global and Local Determinants of Gold Prices: Insights from the US, India, and China	Jyotirmayee Sahoo, Arya Kumar, Rupsa Mohapatra, Rajani Agrawalla	Management	Journal of Informatics Education and Research	2024	1526-4726
225	First report on leaf spot of Zizyphus mauritiana caused by Mycosphaerella arachidis in Odisha, India	S. Pattanayak and S. Das	Plant Pathology	Mycopath	2024	1729-5521
226	Formulation And Evaluation of Oral Medicated Jellies of	Bharatbhusan Sahu, Tikeswar Jal, Tapas Kumar	Pharmacy	African Journal of Biological	2024	2663-2187

	Psidium Guajava Lin leaves	Mohapatra, Sanghamitra Satapathy, Jyoti Kanchan Sahoo		Sciences(South Africa)		
227	IoT and wireless sensor networks in precision Agriculture: State-of-the-art and revolutionary step out towards future directions – A Review”.	Kumar, S.N., Das, S., Karmakar, S., Maity, S., Biswal, K.A., Mohanty, Y., Adhikary, A.	Plant Pathology	African Journal of Biological Sciences(South Africa)	2024	2663-2187
228	Exploring Agriculture In The Age Of Drones: A Comprehensive Review	Jui Ray, Pabitra Kumar Ghosh, Sagar Banik, Swarnali Duary, Madhusri Pramanik, Soumik Dey Roy, Sourav Roy	GPB&SST	African Journal of Biological Sciences(South Africa)	2024	2663-2187
229	In silico molecular docking, antimicrobial and anti-inflammatory activities of bioactive fractions of Citrus sinensis (L.) Osbeck. peel against oral pathogens in dental caries	Satyapraksh Dehury, Priyanka Priyadarsini, Ashirbad Nanda, Debasmita Dubey, Sandeep Kumar Swain, Biswajit Samantaray, Barsha Tripathy, Satish Kanhar*	Pharmacy	Plant Science Today	2024	2348-1900

230	Self-Emulsifying Drug Delivery Systems: Concept to Applications, Regulatory Issues, Recent Patents, Current Challenges and Future Directions	Rajib Lochan Maharana, Suryakanta Swain, Santosh Kumar Mahapatra, Bikash Ranjan Jena	Pharmacy	Current Pharmaceutical Biotechnology	2024	873-4316
231	Professional Insights Provided by Women Extension Personnel in Odisha	Parnika Saha, Ajay Kumar Prusty, Chinmaya Nanda, Soumik Ray, Biswajit Sahoo	Fisheries Extension	Indian Journal of Extension Education	2024	0537-1996
232	Finger Millet Consumption: A study on Knowledge, Attitude and Practices in North Coastal Region of Andhra Pradesh	Beera Anusha, Akkamahadevi Naik, Ashok Kumar and Idemakanti Chandrakanth Reddy	Agricultural Extension Education	Indian Journal of Extension Education	2024	0537-1996
233	Comparative Analysis of the Impact of FPO on Paddy Farmers through Canonical Correlation Analysis	Adapa Shalini Pujitha ¹ , Akkamahadevi Naik ^{2*} , Ashok Kumar ² and Tufleuddin Biswas	Agricultural Extension Education	Indian Journal of Extension Education	2024	0537-1996
234	Paddy Growers' Knowledge of Soil Health Card in North	Chundru Ramya Madhuri ¹ , Akkamahadevi Naik ^{2*} , Ashok	Agricultural Extension Education	Indian Journal of Extension Education	2024	0537-1996

	Coastal Region of Andhra Pradesh	Kumar ² , Chitrasena Padhy ³ and Soumik Ray				
235	INSTITUTIONAL ROLE IN LIVELIHOOD GENERATION: A CASE OF MUNISING, ODISHA	Dwity Sundar Rout, Asha Parvin, Swati Suman, Ajay Kumar Prusty, Vishal Kumar Gupta, Atanu Deb, Preetha Bhadra, & Avisweta Nandy	Agricultural Extension Education	Community Practitioner	2024	1462-2815
236	Secondary Metabolite Fingerprinting and Antioxidant Potency of Eleusine indica: An Integrated Chromatography and In silico Investigation	Tapan Kumar Sahu, Nityananda Sahoo, Gurudutta Pattnaik, Himansu Bhusan Samal, Amulyaratna Behera, Biswakantha Kar	Pharmacy	International Journal of Experimental Research and Review	2024	2455-4855
237	Radiologic Decision-Making for Imaging in Pulmonary Embolism: Accuracy and Reliability of Large Language Models—Bing, Claude, ChatGPT, and Perplexity	Pradosh Kumar Sarangi, Suvrankar Datta, M. Sarthak Swarup, Swaha Panda, Debasish Swapnesh Kumar Nayak, Archana Malik, Ananda Datta, Himel Mondal	CSE	Indian Journal of Radiology and Imaging	2024	0971-3026

238	Impact of Agronomic Zinc Biofortification on Yield Attributes, Yield and Micronutrient Uptake of Rice (<i>Oryza sativa</i> L.) in Southern Odisha	Pal, S., Shankar, T., Majumder, S., Adhikary, R., & Pal, S.	Agronomy and agroforestry	International Journal of Experimental Research and Review	2024	2455-4855
239	Effect of need-based nitrogen scheduling on the growth and productivity of pearl millet (<i>Pennisetum glaucum</i>)	Subhrajyoti Dalal, Tanmoy Shankar, Sagar Maitra Lalichetti Sagar, Rahul Adhikary	Agronomy and agroforestry	Agricultural Science Digest	2024	0976-0547
241	Multi Renewable Source System Stabilization using ANFIS Controller for Energy Storage Module	Ch. Laxmi, Dr. M. Narendra Kumar and Dr. Rajendra Kumar Khadanga	EEE	International Journal of Electrical and Electronics Research	2024	2347-470X
242	Development and Characterisation of Valsartan Immediate Release Dosage Form Using Solubility Enhancement Technique.	Rajeswari Saripilli, Prasanthi Teella, Nataraj Kalakonda S	Pharmacy	EUROPEAN PHARMACEUTICAL JOURNAL	2024	2453-6725
243	Design and Characterization of Fast	Narayanamma Lakshmi	Pharmacy	International Journal	2024	2230-973X

	Dissolving Solid Dispersion Tablets of Gliclazide	Mudunuru, Kalyan Chakravarthy Janjanam, Rajeswari Saripilli		of Pharmaceutical Investigation		
244	Preparation and antioxidant activity of selenium nanoparticles by using herbal extract	Runjhun Pallavi , Prasanth Damarasingu , Asmita Patil , K Sreedhar Naik , Sowjanya Pulipati , Pundareekaksha Rao , Ikram , Venkata Suresh Jilakara	Pharmacy	African Journal of Biological Sciences	2024	2663-2187
245	Calibration and validation of CERES-rice model using varied transplanting dates and seedling ages of RNR 15048 and assessing high temperature sensitivity in the North Eastern Ghat region of Odisha	Lalichetti Sagar, Masina Sairam, M. Devender Reddy and Lalichetti Sindhu	Agronomy	Mausam	2024	2529416
246	Forensic Examination of Seminal Stains on Different Types of Fabrics after repeated wash	Shubham Saini, Manisha, Sinduja Gupta, Yuvraj Gupta, Tamosa Mukherjee, Dr. Amamdeep Kaur	Forensic Science	African Journal of Biological Sciences	2024	2663-2187

247	Transdermal patch of tinispora cardifolia in treatment of Rheumatoid Arthritis uptake studies	Jesindha Beyatricks, Dipti Ganesh Phadtare, Harishchander Anandaram, Kalpita Bhatta, Prashant Sharma, Jayashri Adhikrao Patil , Vijay Jyoti Kumar , Sudeshna Roy Chowdhury	Botany	African Journal of Biological Sciences	2024	2663-2187
248	Electricity Consumption Classification using Various Machine Learning Models	BK Paikaray, S P Jena, J Mondal, N Van Thuan, NT Tung, C Mallick	ECE	EAI Endorsed Transactions on Energy Web	2024	2032-944X
249	EXPLORING THE MOLECULAR DYNAMICS OF ETHYL ALCOHOL: DEVELOPMENT OF A COMPREHENSIVE MODEL FOR UNDERSTANDING ITS BEHAVIOR IN VARIOUS ENVIRONMENTS	Ritika Sharma , Nihar Ranjan Kar , Mumtaz Ahmad , Prakash Gadipelli , Somya Misra , Revan Karodi , Vivek Kumar Pathak , Samir Sarkar , Biswaranjan Das * and Suraj Mandal	Pharmacy	Community Practitioner	2024	1462-2815
250	Phosphate solubilizing bacteria, Pseudomonas aeruginosa, improve the	Monalisha Das Mohapatra, Ranjan	Biotechnology	Physiology and Molecular	2024	0971-5894 (Print)

	growth and yield of groundnut (<i>Arachis hypogaea</i> L.).	Kumar Sahoo and Narendra Tuteja		Biology of Plants		
251	Synthesis and in vitro Antiproliferative Evaluation and Molecular Docking Studies of Novel ChalconePhosphonates Derivatives as Anticancer Agents	Shweta Mishra, Ekta Verma, Biplab Debnath, Amit Chawla, Prasanna Shama Khandige, Bhagawati Saxena, Nityananda Sahoo, and Pardip Jana	Pharmacy	Chemistry Select	2024	2365-6549
252	Computer Operating Systems: An Overview of Emerging Trends	Anirban Bhattacharya	CSE	International Research Journal of Education and Technology	2024	2581-7795
253	A Study of the Challenges Associated with Cyber Security and the latest Technological Trends on the Market	Anirban Bhattacharya	CSE	Madhya Pradesh Journal of Social Sciences	2024	0973-855X
254	Evaluation of genetic variability in different genotypes of Finger millet through path and Multivariate analysis	Dinesh T, K.S, Swapnil, G K dash, Sil P, Panda KK, Mitra D, Purkayastha S	Biochemistry and plant physiology	Assian journal of Soil Science and plant nutrition	2024	2456-9682

255	Design, Optimization, and Characterization of Zolmitriptan Loaded Liposomal Gels for Intranasal delivery for acute migraine therapy	Chettupalli A.K., Sunand Katta, Mohd Vaseem Fateh, M. Akiful Haque, Daniel Kothapally, Dr Prasanth Damarasingu, Budumuru Padmasri, Palavalasa. Archana	Pharmacy	Intelligent Pharmacy	2024	ISSN 2949- 866X
256	Enhancing conductivity in polymers: The role of metal ions in conducting polymer systems	Ashish K. Sarangi, Lizaranee Tripathy, Azaj Ansari, Ranjan K. Mohapatra, Sushil Kumar Bhoi	Chemistry	Polymer for Advanced Technolog y	2024	1042- 7147
257	Phytochemical inhibitors from <i>Leucas aspera</i> against the target proteins induced by <i>Trichophyton mentagrophytes</i> using computational technique	Monalisha Giri, Sagarika Parida	Botany	Journal of Basic Microbiolo gy	2024	0233- 111X
258	Ethnomedicinal uses of <i>Moringa oleifera</i> Lam. and the phytochemicals in regulating Type 2	Chandra Sekhar Tripathy, Ananya Mishra, Santosh Kumar Behera, Sagarika Parida	Botany	Plant Science Today	2024	2348- 1900

	Diabetes and inflammation					
259	Agricultural Information Transfer in Tribal Areas of North-Eastern India	Sanju Saha ¹ , Lalichetti Sagar ² , M. Devender Reddy ³	Agronomy	African Journal of Biological Sciences	2024	2663-2187
260	Impact of gadolinium doping on BiFeO ₃ -PbZrO ₃ for energy storage applications: Structural, microstructural, and thermistor properties	Priyambada Mallick, Sandhya Kumari Yadav, Santosh Kumar Satpathy, Banarji Behera, Srikanta Moharana, Suresh Sagadevan	Physics	Inorganic Chemistry Communications	2024	1879-0259
261	Exploring Recent Developments in Graphene-Based Cathode Materials for Fuel Cell Applications: A Comprehensive Overview	Somya Samantaray, Debabrata Mohanty, Santosh Kumar Satpathy, I-Ming Hung	Physics	Molecules	2024	1420-3049
262	The Impact of Organic Fertilizers on Growth, Yield, and Rhizospheric Bacterial Diversity in Black Turmeric (<i>Curcuma caesia</i>)	B Jyotirmayee, Subhashree Tripathy, Himansu Bhusan Samal, Gyanranjan Mahalik	Botany	Journal of Angiotherapy	2024	2207-872X
263	Review on the ethnomedicinal and nutritional value of	Sameer Jena, Sudhansu Sekhar Dash, Ipsita	Botany	Plant Science Today	2024	2348-1900

	some wild edible plants used by the tribal of Koraput District of Odisha, India	Priyadarsini Samal & Gyanranjan Mahalik				
264	Revolutionizing Feature Engineering for Robust Ensemble Machine Learning by Hybridizing MRMR Insight And Chi2 Independence.	N. Silpa, Sangram Keshari Swain and V. V. R. Maheswara Rao	CSE	Proceedings on Engineering Sciences	2024	
265	Evaluation of cardiovascular disease in diabetic patients using machine learning techniques.	N. Silpa, Sangram Keshari Swain and V. V. R. Maheswara Rao	CSE	International Journal of Public Health Sciences	2024	
266	A predictive prototype for the identification of diseases relied on the symptoms described by patients.	Nayak, S. K., Garanayak, M., & Swain, S. K.	CSE	EAI Endorsed Transactions on Pervasive Health and Technology	2024	
267	A Prototype for Intelligent Diet Recommendations by Considering Disease and Medical Condition of the Patient.	Nayak, S. K., Garanayak, M., & Swain, S. K. , Paikaray, B. K.,	CSE	Int. J. Business and Systems Research	2024	X

268	A Systematic Review on Energy-Efficient Techniques for Sustainable Cloud Computing	S. Radhika, Sangram Keshari Swain, and Salina Adinarayana	CSE	Proceedings of Eighth International Conference on Information System Design and Intelligent Applications (ISDIA 2024),	2024	
269	DEVELOPMENT OPTIMIZATION OF SORAFENIB-LOADED PLGA NANOPARTICLES GUIDED BY IN SILICO COMPUTATIONAL TOOLS	GNYANA RANJAN PARIDA1, GURUDUTTA PATTNAIK1, AMULYARATNA BEHERA1*, SURAJ SAHOO2, DIBYALLOCHAN MOHANTY3	PHARMACY	International Journal of Applied Pharmaceutics	2024	0975-7058
270	EVALUATION OF ROMAN AUGUSTA EXTRACT AS ANTIULCER	Dr.S.Janet Beula1, Dr.G.Srilakshmi1, Dr. Medipalli Viswaja2, Dr. Kaveti Balaji3, Gnyana Ranjan Parida4,	PHARMACY	African journal of biological sciences	2024	2663-2187

		Mohd Imran ⁵ , Prashant Sharma ⁶ , Dr. M. Vijaya Jyothi ^{7*}				
271	Emerging concern of nano-pollution in agro- ecosystem: Flip side of nanotechnology	Debojyoti Moulick, Arnab Majumdar, Abir Choudhury, Anupam Das, Bhaben Chowardhara, Binaya Kumar Pattnaik, Goutam Kumar Dash, Kanu Murmu, Karma Landup Bhutia, Munish Kumar Upadhyay, Poonam Yadav, Pradeep Kumar Dubey, Ratul Nath, Sidhu Murmu, Soujanya Jana, Sukamal Sarkar, Sourav Garai, Dibakar Ghosh, Mousumi Mondal, Subhas Chandra Santra, Shuvasish Choudhury, Koushik	Biochemistry and plant physiology	Plant Physiology and Biochemist ry	2024	0981- 9428

		Brahmacharo, Akbar Hossain				
272	Antioxidant Properties of Betel Vine (Piper Betel L.) Leave as Influenced by a Fungicide (Blitox)	PoulamiSil, Arunava Chkravarty, Shampa Purkayastha	Biochemistry and plant physiology	SSRN		
273	The Next Wave of Ecological Innovations in Farming Practices	Sr. Korla Harshavardhan, Dr. Uttara Singh, Dr. Abesh Chakraborty	Agricultural Engineering	African Journal of Biological Sciences	2024	2663- 2187
274	Comparative efficacy of some promising insecticides against cucumber whitefly (Bemisia tabaci Genn.) under protected cultivation action.	Nihal Ravindranath, Dinkar Gaikwad, Goutam B Hosamani, Smrutisikha Patnaik and Ankita Panda	Entomology	Journal of Entomolog ical Research	2024	0378- 9519
275	Antimicrobial efficacy of nano-particles for crop protection and sustainable agriculture	Pallavi Jali, Srinivas Acharya, Gyanranjan Mahalik	Botany	Discover Nano	2024	2731- 9229
276	Integrating Generative AI and Sustainability in English Language Teaching	Biraja Kumari Das, Prajna Pani, Anubha Ray	English	Journal of Informatics Education and Research	2024	1526- 4726

277	Mutual Funds Unveiled: A Performance Review and Comparative Analysis	Mr. Sushil Kumar Pradhan , Dr. Prasanna Kumar Baral	Management	Journal of Informatics Education and Research	2024	1526-4726
278	Mutual Funds Unveiled: A Performance Review and Comparative Analysis	Dr. Subhramaya Nayak, Dr. Prasanna Kumar Baral	Management	Journal of Informatics Education and Research	2024	1526-4726
279	A Cross-sectional Study of Nicotine Intoxication among Medical Graduates: Recognition of Tobacco Utilization Patterns	Bhuyan, Ruchi; Panda, Nihar Ranjan; Das, Aparna; Kundu, Anwesha; Bhuyan, Sanat Kumar ¹ ; Mohanty, Jatindra Nath ²	Botany	Journal of Datta Meghe Institute of Medical Sciences University	2024	0974-3901
280	Prevalence of multidrug-resistant <i>Klebsiella pneumoniae</i> in urinary tract infections: A retrospective observational study in eastern India	Swayamprabha Sahoo, Jatindra Nath Mohanty, Sweta Padma Routray, Ashirbad Sarangi, Debasish Swapnesh Kumar Nayak, Sejal Shah, Jayashankar Das, Enketeswara Subudhi, Tripti Swarnkar	Botany	Microbes and Infectious Diseases	2024	2682-4132

281	Anti-cancer activity of Moringa oleifera Lam. seed oil on oral cancer	Moumita Das, Jatindra Nath Mohanty, Sanat Kumar Bhuyan, Ruchi Bhuyan	Botany	Beni-Suef University Journal of Basic and Applied Sciences	2024	2314-8535
282	Genomic characterization and distribution of XDR Klebsiella pneumoniae ST15 carrying blaOXA-181 on ColKP3 plasmid from an ICH patient in eastern India: A global comparative analysis	Swayamprabha Sahoo a, Sweta Padma Routray a, Jatindra Nath Mohanty b, Animesh Pattnaik b, Debasish Swapnesh Kumar Nayak c, Sejal Shah d, Jayashankar Das e, Enketeswara Subudhi f, Tripti Swarnkar	Botany	Gene reports	2024	2452-0144
283	Pharmaceutics: Development and Evaluation of a Sustained Release Matrix System for Metformin Hydrochloride Using HPMC	Rajesh Kumar, Smriti Singh, Siddhartha Das, Dr.M.M. Tiwari, Chittaranjan Routray	Chemistry	African Journal of Biological Sciences	2024	2663-2187
284		Sushree Gayatri Priyadarsini Prusty, Narayana	CSE	Journal of Electrical Systems	2024	1112-5209

		Patra, Adyasha Rath, Debashish Swapnesh Kumar Nayak, Jyotirmayee Rautaray, Sashikanta Prusty, Nrusingha Tripathy, Subrat Kumar Nayak				
285	Evaluation of Ethnopharmacological Potential of <i>Oenanthe javanica</i> DC.	Devi, R.S., Satapathy, K.B., Manjula, B.L., Sharma, B.P., Kumar, S.	Botany	Annals of Biology	2024	0970- 0153
286	Validation of tribal claims for formulation of future drugs through evaluation of ethno- pharmacological values of <i>Ludwigia adscendens</i>	Devi, R.S., Satapathy, K.B., Kumar, S.	Botany	Medicinal Plants - Internation al Journal of Phytomedi cines and Related Industries	2023	0975- 6892
287	Leafy vegetable diversity and their ethnomedicinal uses against gastrointestinal disorders in the Balasore district of Odisha, India	Noor, Niquehat; Satapathy, Kunja Bihari	Botany	Journal of Applied Biology and Biotechnol ogy	2023	2347- 212X

288	In Sillico Discovery and Evaluaton of momordicacharantia L phytocomponents Against Dinp Phthalates Induced Oxidative Stress Proteins Associated with Nerodegenerative Diseases	Sanjib Kumar Mohanty, Yashaswi Nayak, Chandra Sekhar Tripathy	Zoology	African Journal of Biological Sciences	2024	2663-2187
289	Advancements in Biomaterials for Envisioning Healing and Function Restoration in Modern Medicine – A Review	Suryakanta Swain, Ashirbaad Nanda, Rudra Narayan Sahu, Bikash Ranjan Jena, Rabisankar Dash, Amaresh Prusty, Prasanna Parida, Abhisek Sahu, Bhisma Narayan Ratha	Pharmacy	Journal of Angiothera py	2024	2207-872X
290	The Eastern Ghat of India: A review on Plant ecological perspectives	Snigdha Behera, Sanjaya Kumar Pattanayak, Abanikanta Bhadra	Botany	Plant Science Today	2024	2348-1900
291	Socio- economic profile of the beneficiaries of MGNREGA: A study on the MGNREGA in the Nalanda district of Bihar.	Vineeta Chandra, Amrit Warshini, Mounika, Aman Verma, Ramesh chand, Sameer	Drones	Agriculture Science Digest	2024	D-5975

		Mahapatro, Chitrasena Padhy				
292	. A clinical perspective of chitosan nanoparticles for infectious disease management.	F Dilnawaz *, S Acharya, A Kanungo		Polymer Bulletin		2024.8 1(2),10 71- 1095
293	Empowering Changemakers: Cultivating women's leadership in Technology	Vineeta Chandra, Sameer Mahapatro	Drones	Bridging the Digital Divide	2024	
294	Theranostic siRNA loaded mesoporous silica nanoplatfroms: A game changer in gene therapy for cancer treatment.	A Kanungo, N S Tripathy, L Sahoo, S Acharya, F Dilnawaz*		OpenNano		15, 10019 5
295	Exploring machine learning approaches for early diabetes risk prediction: A comprehensive examination of health indicators and models	Nihar Ranjan Panda* Jatindra Nath Mohanty, Ruchi Bhuyan, Prasanta Kumar Raut, Manulata	Botany	Journal of Associated Medical Sciences	2024	
296	Naringenin nanoformulations for neurodegenerative diseases.	L Sahoo, N S Tripathy, F Dilnawaz,*		Current Pharmaceutical Biotechnology		Ahead of Print

297	Phytochemical and cytotoxicity analysis of <i>Eulophia explanata</i> Lindl. (Tuber extracts)	Sugimani Marndi, Madhusmita Barik and Sanjeet Kumar*	Botany	African Journal of Biological Sciences	2024	2663-2187
298	Recent advancement of nanotheranostics in cancer applications.	S.Parveen, Abira R, S Paikray, L Sahoo, N S Tripathy, F Dilnawaz		Current Drug Delivery		Ahead of Print
299	Genetic analysis of quality protein maize (QPM): a review		Biochemistry and plant physiology	Cereal Research Communications	2024	
300	FLORAL HANDLING BY APIS CERANA INDICA F. IN SUNFLOWER	Deepayan Padhy, Chitta Ranjan Satapathy and Shimantini Borkataki	Entomology	Indian Journal of Entomology	2024	0367-8288
301	CRISPR/Cas-Mediated Genome Engineering in Plants: Application and Prospectives.	Swetaleena Mishra , Subhendu Nayak , Narendra Tuteja, Sowmya Poosapati, Durga Madhab Swain, and Ranjan Kumar Sahoo	Biotechnology	Plants	2024	2223-7747
302	Plant diversity conservation issues and challenges: A review	Snigdha Behera, Abanikanta Bhadra	Botany	Plant Science Today	2024	2348-1900

303	Explicit and implicit numerical investigations of one-dimensional heat equation based on spline collocation and Thomas algorithm	Saumya Ranjan Jena, Archana Senapati	Mathematics	Soft Computing	2024	1432-7643
304	Incidence and Population Dynamics of Various Associated Insect-pests of Late Direct Sown Paddy, <i>Oryza sativa</i> L. at Gajapati, Odisha	Manish K. Yadav; Satapathy, Satya Narayan Satapathy, Priyanka Priyadarshini Barsha Tripathy Kiran Kumar, Subhashree Subhasmita	Entomology	Africulture Science Digest	2024	ISSN:0 253-150XE - ISSN:0 976-0547
305	IoT-Enabled Smart Agriculture System Using Cognitive Computing	Durgam Rajababu, Eswararao Boddepalli, Dr. Rajesh Bhaskar Survase, Dr. Arunabha Pal, Sreenivasulu Dandagala, Dr. M. Kalyan Chakravarthi	Soil Science	IEEE Explore	2024	
306	AI and Military Justice: Transforming the Future of Legal and Ethical Warfare	Neha Chaturvedi		Anvesak	2024	0378-4568

307	Recent advancements on Oral Protein and Peptide Drug Delivery approaches to bioavailability: Extensive review on Patents	Prasanna Parida, Amiya ku prusty, Saroj kumar patra, Bikash ranjan jena	Pharmacy	Recent advancement in drug delivery and formulation	2024	2667-3878
308	Unveiling Hydromorphic Soil Formation Dynamics in Andem, Gabon: A Soil Survey Approach	Rahul Adhikary, Arunabha Pal	Soil Science	Indian Journal of Agricultural Research	2024	0367-8245
309	Strategic Ni integration to study its impact on the photoluminescence and photocatalytic performances of SnO ₂ nanorod architecture	Prasanta Kumar Mishra , Suchismita Acharya , Amrita Palai , Sangram K. Sahu , Ankita Meher ,Dojalisa Sahu	Chemistry	Chemistry of Inorganic Materials	2024	2949-7469
310	TRADITIONAL VALUE CHAIN MANAGEMENT OF NAGA KING CHILLI: FINDINGS FROM MON DISTRICT OF NAGALAND	Tumei Konyak ¹ , Saddam Hossen Majumder ^{2*} and Nivedita Deka ¹	Agricultural Economics & Statistics	Agricultural Research Journal	2024	2395-1435
311	ANALYZING SELF-HELP GROUP-BANK LINKAGES	Abdul Kadir ¹ , Saddam Hossen	Agricultural Economics & Statistics	Agricultural Research Journal	2024	2395-1435

	THROUGH VOLUME OF SAVINGS AND CREDIT: INSIGHTS FROM THE NORTH EASTERN STATES OF INDIA	Majumder2* and Biswajit Mondal3				
312	Exploring the Therapeutic Potential of Imidazothiadiazole Derivatives: A Comprehensive Review with Structures	Dr Pankaj Agrawal1, Dr. Pratap Kumar Patra2, Dr Sachin M Mahajan3, Neha Srivastava4, Dr Rajashree Ajay Markandewar5 Sheela Shivaji Thorat6,Dowluru Satya Venkata Gopala Krishna Kaladhar7 Mrs. S. Triveni* 8	PHARMACY	African Journal of Biological Sciences	2024	2663-2187
313	Anthropocene response to the hydrodynamics of Chilika Lagoon, India	Siba Prasad Mishra, Durga Prasad Mishra, Saswat Mishra	Civil Engg.	Journal of Computer Research and Development	2024	1000-1239
314	Influence of soil structure interaction on G + 11 storied RC frame against	Vincent Jasmine George. Markandeya Raju , Siba Prasad Mishra	Civil Engg.	Nuclear Engineering and Design	2024	0029-549

	unconfined surface blast loads					
315	Genetic evaluation of heterosis and combining ability of quality protein maize	Vinay Teja K, Krishnam Raju K, Rashmi Reddy K, Poulami Sil, Subba Rao M and	Genetics and Plant Breeding	Agricultural Science Digest	2024	0976- 0547 (online)
316	Genetic analysis of quality protein maize (QPM): a review	Vidadala Rajendra, Vinay Kumar, Sanghamitra Rout, Poulami Sil, Vinay Teja and Mehdi Rahimi	Genetics and Plant Breeding	Cereal Research Communic ations	2024	0133- 3720
317	Finger Millet Consumption: A study on Knowledge, Attitude and Practices in North Coastal Region of Andhra Pradesh	Beera Anusha1 ,Akkamahadevi Naik2 *,Ashok Kumar2 and Idemakanti Chandrakanth Reddy3	Agricultural Extension Education	Indian Journal of Extension Education	2024	0537- 1996
318	Comparative Analysis of the Impact of FPO on Paddy Farmers through Canonical Correlation Analysis	Adapa Shalini Pujitha1 , Akkamahadevi Naik2 *, Ashok Kumar2 and Tufleuddin Biswas3	Agricultural Extension Education	Indian Journal of Extension Education	2024	0537- 1996
319	Paddy Growers' Knowledge of Soil Health Card in North	Chundru Ramya Madhuri1 , Akkamahadevi	Agricultural Extension Education	Indian Journal of	2024	0537- 1996

	Coastal Region of Andhra Pradesh	Naik ² *, Ashok Kumar ² , Chitrasena Padhy ³ and Soumik Ray ⁴		Extension Education		
320	Agro-Morphological Evaluation of Cherry Tomato (<i>Solanum lycopersicum</i> L. var. <i>cerasiforme</i>) Genotypes	Arindam Barman ¹ *, Koushik Biswas ² , Sheena Haorongbam ³ , Amit Lohar ⁴ , Sushma Gurumayum ⁵ , Thounaojam Premlata ⁶	Horticulture	African Journal Of Biological Sciences	2024	2663-2187
321	Advancing Azelnidipine Dosage From Analysis: A Quality by Design Guided Journey with Green Chemistry Innovation	Swagatam Sahoo, Purnima Mahato, Nilesh Kumar Singh, Diptimayee Jena	Pharmacy	African Journal of Biological Sciences	2024	2663-2187
322	A Study on Flow of Market Information in the Supply Chain of Banana in Andhra Pradesh	Mehazabeen. A, G.Srinivasan	ABM	Indian Journal of Natural Sciences	2024	0976 – 0997
323	Recent Advancement of Nanotheranostics in Cancer Applications	S Parveen, R Abira, S Paikray, L Sahoo, NS Tripathy, F Dilnawaz	-	Current Drug Delivery	2024	ISSN Print:1 567-2018

324	NSGA-III based optimization model for Balancing Time, Cost, and Quality in Resource-Constrained Retrofitting Projects	Abhishek Arya, G. I. Gunarani, V. Rathinakumar, Apurva Sharma, Aditya Kumar Pati*, Krushna Chandra Sethi	Mathematics	Asian journal of civil engineering	2024	1563-0854
325	In Silico Analysis of Small Molecules Targeting the Human UPF3B Protein to Identify Potential Modulators of Nonsense-mediated mRNA Decay Pathway: Novel Avenues for Anticancer Therapeutics Development	Sanjoy Majumder and Gagan Kumar Panigrahi	Zoology	African Journal of Biological Sciences	2024	2663-2187
326	Intricacies of Salinity Effects on Zebrafish Physiology: Acute Salinity Stress Induces Mortality	Rutupurna Das and Gagan Kumar Panigrahi	Zoology	African Journal of Biological Sciences	2024	2663-2187
327	The Evolution of Modern-day Drug Discovery and Development Processes: Current Understanding and Future Perspectives	Sanjoy Majumder and Gagan Kumar Panigrahi	Zoology	African Journal of Biological Sciences	2024	2663-2187

328	Extreme pH Affects the Expression of the Core Nonsense-mediated mRNA Factors in Zebrafish	Rutupurna Das and Gagan Kumar Panigrahi	Zoology	African Journal of Biological Sciences	2024	2663-2187
329	ALLELOPATHIC EFFECTS OF ARGEMONE MEXICANA AQUEOUS EXTRACT ON VIGNA MUNGO DEVELOPMENT	Ipsita Priyadarsini Samal, Sameer Jena, Srinivas Acharya, Ram Babu, Gyanranjan Mahalik*	Botany	African Journal of Biological Sciences	2024	2663-2187
330	Performance enhancement and comparison of inner-shielded solar parabolic trough collector with various nanoparticles in Syltherm-800 using computational fluid dynamics techniques	Ipsita Mishra, Pragyan Senapati, Mukundjee Pandey	Mechanical Engineering	Clean Technologies and Environmental Policy	2024	1618-954X
331	ChatGPT as an AI-enabled Academic Assistant: Attitude and Usage among Fisheries Students	Srichandan Das, Shivaji Dadabhau Argade, Himansu Kumar De, Radhakrishnan Kilodas, Biswajit Sahoo and Periyasamy Sreenivasan	Agricultural Extension Education	Indian Journal of Extension Education	2024	0537-1996

332	Experimental Benchmarking of Existing Offline Parameter Estimation Methods for Induction Motor Vector Control	Butukuri Koti Reddy, Krishna Sandeep Ayyagari, Yemula Pradeep Kumar, Nimay Chandra Giri, Panganamamula Venkata Rajgopal, Georgios Fotis, and Valeri Mladenov	ECE	Technologies	2024	2227-7080
333	Pathogenic Potential Abilities of Seafood and Environmental Derived <i>Arcobacter butzleri</i> Strains on HeLa and Vero Cell Lines	Srinu Rathlavath, Parmanand Prabhakar, Sanath Kumar, Binaya Bhusan Nayak	Fish Processing Technology	Indian Journal of Animal Research	2024	0976-0555
334	Effect of Ready Mix Application of Herbicide on Weed Dynamics and Productivity of Maize in Lateritic Belt of West Bengal	Upasana Sahoo, Ganesh Chandra Malik, Mahua Banerjee, Sagar Maitra, Masina Sairam	Agronomy	Agriculture Science Digest	2024	0253-150X
335	Intercropping system: A climate-smart approach for sustaining food security	Upasana Sahoo, Ganesh Chandra Malik, Sagar Maitra, Mahua Banerjee, Masina Sairam, Suprava Nath and JS Suvadra	Agronomy	Journal of Applied Biology and Biotechnology	2024	2455-7005

336	Experimental assessment and performance optimization of biodiesel engine using response surface methodology	Prasheet Mishra, Taraprasad Mohapatra, Sudhansu Sekhar Sahoo,*, Biranchi Narayan Padhi, Nimay Chandra Giri, Jayanta Kumar Biswas, Kareem M. AboRas	SoMS	Energy, Sustainability and Society	2024	ISSN: 2192-0567
337	Pharmaceutics: Development and Evaluation of a Sustained Release Matrix System for Metformin Hydrochloride Using HPMC	Kumar, R., Singh, S., Das, S., Tiwari, M.M., Routray, C.	Plant Pathology	African Journal of Biological Sciences	2024	2663-2187
338	Efficacy of a Newer Nematicide, Fluopyram against Meloidogyne graminicola in Rice Pathosystem	Mahalik, J.K., Nayak, G., Das, S., Rout, D.S., Karmakar, S.	Plant Pathology	Indian Journal of Nematology	2024	0303-6960
339	The Role of Artificial Intelligence in Enhancing Medication Dispensing and Improving Adherence: A Systematic Review	Babita Adhikary, G. Sruti, Chinmay Ku Dwibedy, Bharat bhusan Sahu, Hara Gouri Mishra	Pharmacy	African Journal of Biological Sciences	2024	2663-2187

340	Socio-economic Factors Involved for the Risk in Cotton Cultivation	Chitrasena Padhy, M.Devender Reddy, Rabindra Kumar Raj	Agricultural Extension Education	Agricultural Science Digest	2024	0253-150X.
341	Land-surface temperature dynamics in the fringes of north Bhubaneswar, India: an empirical analysis	P Mishra, D Jena, Nimay Chandra Giri, RR Thakur, DN Dash	ECE	Current Science	2024	0011-3891
342	Root parameters and water productivity of rice and wheat in a rice–wheat cropping system as influenced by enriched compost and crop establishment methods	Himansu Sekhar Gouda a,b , Yudh Vir Singh a , Yashbir Singh Shivay a , D.R. Biswas a , R.S. Bana a , S. Poornima a,c , S.M. Manu a , Sagar Maitra d,**, Masina Sairam d, Saleh H. Salmen e , Sulaiman Ali Alharbi e , Mohammad Javed Ansari f , Akbar Hossain	Agronomy & Agroforestry	Journal of Agriculture and Food Research	2024	2666-1543
343	Performance enhancement of sensorless induction motor drive using modified direct torque	S Usha, P Geetha, A Geetha, R Palanisamy, TMT Thentral, B Mahato, Nimay	ECE	Alexandria Engineering Journal	2024	2090-2670

	control techniques for traction application	Chandra Giri, M Alharbi				
344	Investigation of safe operating conditions for reducing acid corrosion and ABS deposition in rotary air preheater using computational fluid dynamics	Manas Ranjan Padhi, Prakash Ghose, Vijay Kumar Mishra	Mechanical Engineering	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2024	1678-5878
345	Recent Development of Herbal Gel by Combination of Medicinal Plants in the Treatment of Periodontics	Prachi Ramchandra Bhandare, Rupali Sontakke, Shantanu Sontakke, Neha Yadav, Anurag Malik, Pooja Bhati, Biswa Mohan Sahoo	Pharmacy	Afr.J.Bio.Sc.	2014	2663-2187
346	Genotypic profiling of A1 and A2 β -casein alleles in Punganur cattle using PCR-RFLP	Aswani Kumar K, Punya Kumari B	Dept of Veterinary Physiology and Biochemistry	Indian Journal of Animal Sciences	2024	0367-8318
347	Immersive Technology: A Pedagogical Tool for Overcoming Speaking Anxiety	Swapnankita, Dr. Prajna Pani	English	STUDIES IN HUMANITIES AND SOCIAL	2024	ISSN 0972 - 1401

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348	Electrospun polyacrylonitrile reinforced greenl y synthesize d iron oxid e nanocomposit e fibers shee t fo r remediatio n of azithromycin from wate r	Sradhanjali Raut, Akash Kumar Behera, Shraban Kumar Sahoo	Chemistry	Materials Today Communic ations	2024	2352- 4928
349	Removal of Eriochrome Black T dye using Plant Based Bio-Adsorbent: A Review	Jitendra Kumar Sahoo, Rakesh Kumar Sukla, Anil Pradhan, Shraban Kumar Sahoo, Juhi Rath	Chemistry	Letters in Applied NanoBioSc ience	2024	2284- 6808
350	Green Nanoarchitectonics Ce- Co ₃ O ₄ /BiVO ₄ (p-n) heterojunction Nanocomposite: Dual Functionality for Photodegradation of Congo Red and Supercapacitor Applications	Debapriya Pradhan,Susanta Kumar Biswal,Rahul Singhal,Prafulla kumar Panda, Suresh Kumar Dash	Chemistry	Surfaces and Interfaces	2024	2468- 0230

351	Quality by design enabled formulation development of regorafenib monohydrate loaded PEGylated PLGA polymeric nanoparticles: Enhanced oral bioavailability and biopharmaceutical attributes	Dhanjay Panigrahi, Suryakanta Swain*, Pratap Kumar Sahu, Debashish Ghose, Bikash Ranjan Jena	Pharmacy	Nanomedicine Journal	2024	Published
352	Analysis of ultra-capacitor and plug-in electric vehicle for frequency regulation of a distributed power generation system utilizing novel modified gorilla troops optimizer algorithm	SN Sahu, RK Khadanga, Y Arya, S Panda	EEE	Electrical Engineering	2024	In-press
353	Design and Analysis of SSSC-Based Damping Controller: A Novel Modified Zebra Optimization Algorithm Approach	Rajendra Kumar Khadanga, Deepa Das and Sidhartha Panda	EEE	Journal of Electrical and Computer Engineering	2024	In-press
354	Removal of Congo red and malachite green from aqueous solution using ternary	Gouda Mohini, Jitendra Kumar Sahoo, Shraban Kumar Sahoo,	Chemistry	Journal of the Indian Chemical Society	2024	2667-2847

	GO/Bi ₂ O ₃ /MgO materials using co-precipitation method	Ankita Dash, Yasvanti Choudhury				
355	Analysing Customer Retention and Financial Behaviours in Retail Banking: A Demographic and Transactional Study using Decision Tree Model	Dr. Deepali Mayur Gala Dr. Bhaskar Vijayrao Patil Susanta Kumar Nayak	CSE	Nanotechnology Perceptions	2024	(ISSN 1660-6795)
356	Immersive Technology: A Pedagogical Tool for Overcoming Speaking Anxiety	Swapnankita, Dr. Prajna Pani	English	STUDIES IN HUMANITIES AND SOCIAL SCIENCES(SHSS)	2024	ISSN 0972 - 1402
357	An Unravelling Potential of Foliar Application of Micro and Beneficial Nutrients in Cereals for Ensuring Food and Nutritional Security	Sumit Ray, Sagar Maitra, Masina Sairam, Mutha Sravya, Ankita Priyadarshini, Swagat Shubhadarshi and Durga Prasad Padhi*	Management	International Journal of Experimental Research and Review	2024	2455-4855
358	Automation and Robotics in healthcare Industry for Monitoring	manish Kumar thimmaraju, Vijaya Kumar meher,	PHARMACY	PHARMATIMES	2024	0031-6849

	patients in Critical care unit	Hemalatha gadegoni				
359	EVOLUTION OF GLP: BEST PRACTICES AND EMERGING TRENDS IN GLOBAL AND INDIAN PHARMA	Vijaya Kumar Meher, Shalini Immadi , Kumaraswamy Gandla, Ajay Motukuri, Aparadapu Poojitha, Maharaj Lavanya	PHARMACY	journal of xidian university	2024	1001-2400
360	Utilization of agro-industrial wastes (banana peel): development, characterization, and classification of biodegradable composite pots using PCA approach	Khalid Bashir, Shumaila Jan, Mehvish Habib, D. C. Saxena, Ayon Tarafdar, Raveendra Sindhu, Vinay Kumar, Kulsum Jan	Genetics and Plant Breeding	Biomass Conversion and Biorefinery	2024	2190-6815
361	Genotype and environment interaction in mustard (Brassica juncea) under terai agro-climatic zone using AMMI and GGE biplot.	Supratim Sadhu, Moumita Chakroborty, Suvendu Kumar Roy, Rupsanatan Mandal, Lakshmi Hijam, Manoj Kanti Debnath, Anjan Roy, Sanghamitra Rout	Genetics and Plant Breeding	Electronic journal of plant breeding	2024	0975-928X

362	The Ethno-pharmaceuticals Fighting UTI-Resistant Bacteria: Synergistic Potential Exploration	Pragnya Paramita Acharya, Soumya Jal	Microbiology	International Journal of Advancement in Life Sciences Research	2024	2581-4877
363	Therapeutic Interventions for Diabetes Mellitus Associated Complications	Dharmendra Pradhan, 1Dr. Prafulla Kumar Sahu, Sukumar Purohit, Santosh Kumar Ranajit	PHARMACY	Current Diabetes Reviews	2024	ISSN: 1573-3998
364	A review of the synthesis and application of azo dyes and metal complexes for emerging antimicrobial therapies	Durga Prasad mishra, Prafulla Kumar sahu, Biswajeet Acharya, Satya Prasad mishra, Seturam Bhati	Pharmacy	Results in Chemistry	2024	
365	Harnessing Synthetic Strategies for Enhanced Gold Nanoparticle Functionality in Cancer Treatment	Durga Prasad mishra, Prafulla Kumar sahu, Biswajeet Acharya, Santosh kumar Ranjit	Pharmacy	BionanoScience	2024	
366	Three-Dimensional Radiative Rotating MHD Nanofluid Flow	Swarnalata Jena, Kharabela Swain, Shaik Mohammed	Mathematics	Journal of Advanced Research	2024	2756-8210

	of Over a Stretched Sheet with Homogeneous-Heterogeneous Chemical Reactions	Ibrahim, Pandikunta Sreenivasulu, Giulio Lorenzini		in Micro and Nano Engineering		
367	Optimization Process to Develop Tungsten Carbide Reinforced with Aluminium MMCs Using Surface Plots and ANN	M. Arunadevi, Chetan Patil Kaustubh, R. Kapadani, Yashwant Chapke, G. Sridevi, R. Vaishnava Kuma, Santosh R. Shekokar, Mahesh M. Kawade	Mechanical	Journal of The Institution of Engineers (India): Series D	2024	2250-2130
368	Screening of lentil germplasm against Stemphylium blight and studies on association between disease and biochemical parameters	Anjan Roy, Arup Sarkar, Pavithra S, Pulak Bhaumik, Prateek Madhab Bhattacharya, Nandita Sahana	Genetics and Plant Breeding	Legume Research	2023	0976-0571
369	Innovative Approaches in Crop Genetic Engineering for Sustainable Agriculture: Review	Michelle C. Lallawmkimi, Ashoka. P, D J M S N K Sri Veda, Ajash Yadav, Dhivya.B, Manoj Kumar and Ankita Rout	Genetics and Plant Breeding & Seed Science and Technology	Journal of Advances in Biology & Biotechnology	2024	2394-1081

370	Proteomic Signatures: A review on forensic bone proteomics and estimation of post-mortem interval	Saloni Arora, Jyoti Dalal, Kiran Kumari, Saurabh Shukla	Forensic Science	Microchemical Journal	2024	00262-65X
371	FPO Member Farmer Empowerment: Socio-economic Insights via Canonical Correlation Analysis	Dr. Subha Laxmi Sahoo, Mr. Biswajit Sahoo*, Dr. Sarbani Das	Agricultural Extension Education	Indian Journal of Extension Education	2024	0537-1996
372	Evaluation of Nutrient Levels, Optical Sensors and Decision Support Tools for Nitrogen Optimization in Rice during Dry Season	Lalichetti Sagar, Sagar Maitra, Sultan Singh, Masina Sairam and Angara Pavan	Agronomy and Agroforestry	Agricultural Science Digest	2024	0253-150X
373						
374	Architectural design of metal hydrides to improve the hydrogen storage characteristics	Subhasis Pati, Ankita Bishnoi, Pratibha Sharma	Chemistry	Journal of Power Sources	2024	0378-7753
375	Mass multiplication of native rhizospheric bacteria on cheaply available organic substrates and their plant growth promotion potentiality on cowpea	S. Pati, A. Patwari, S. Paul, A. Kumar, R. Kumar, A. Roy Barman, S.K. Ray and S. Dutta	Plant Pathology	Ecology, Environment and Conservation	2024	0971-765X

376	Quality by Design Optimization of Telmisartan-loaded Self-nanoemulsifying Drug Delivery Systems	Rajeeb Lochan Maharana, Suryakanta Swain, Santosh K Mohapatra, Bikash Ranjan Jena	Pharmacy	Current Nanomedicine	2024	2468- 1881
377	The Effects of Blended Learning Instructions on Vocabulary Development	Amir Prasad Behera. Manasee Mishra	English	Journal of Informatics Education and Research	2024	1526- 4726
378	ChatGPT as an AI- enabled Academic Assistant: Attitude and Usage among Fisheries Students	Srichandan Das, Shivaji Dadabhau Argade, Himansu Kumar De, Radhakrishnan Kilodas, Biswajit Sahoo and Periyasamy Sreenivasan	Agricultural Extension Education	Indian Journal of Extension Education	2024	0537- 1996
379	EFFECT OF AG- NANOPARTICLE IN BIOCHEMICAL AND PHYSIOLOGICAL CHANGES DURING PROGRESS OF SEED DEVELOPMENT AND MATURATION IN GREEN GRAM	Aninda Chakraborty , Sanjoy Kumar Bordolui , Debarati Nandi , Sanghamitra Rout , Jui Ray , Siddhartha Shankar Sharma , Desetty J M S N K Sri Veda	GPB & SST	African Journal of Biological Sciences	2024	2663- 2187

380	Bulked segregant RNA sequencing (BSR-seq) combined with SNP genotyping towards mapping and characterization of a purple blotch resistance gene in Onion (<i>Allium cepa</i> L.)	Jayashree Sahoo, Rukmini Mishra, Raj Kumar Joshi	Botany	Plant Molecular Biology Reporter		1572-9818
381	Unveiling the protective role of chitosan in Plant Defense: A comprehensive review with emphasis on abiotic stress management	Pravallika Sree Rayanoothala a,* , Tuward J. Dweh c , Sunita Mahapatra b , Salma Kayastha	Plant Pathology	Crop Design	2024	2772-8994
382	Agrivoltaic systems offer symbiotic benefits across the water-energy-food-environment nexus in West Africa: A systematic review	Segbedji Geraldo Favi, Rabani Adamou, Thierry Godjo, Nimay Chandra Giri, Richmond Kuleape, Max Trommsdorff	ECE	Energy Research & Social Science	2024	2214-6296
383	Larvicidal activity of β -Citral: An In-vitro and In-silico study to understand its potential against mosquito	Krishnendu Adhikary, Pradipta Banerjee, Saurav Barman, Arundhati Banerjee, Aniket Sarkar, Souvik Bag,	Soil Science	Acta Tropica	2024	1873-6254

		Soumendranath Chatterjee, Bidyut Bandyopadhyay, Anindya Sundar Panja				
384	GC-FID, LC-QToF-MS, NMR, quantum chemical analysis, and toxicological evaluation of lemongrass (Cymbopogon flexuosus) essential oil yields in Mayurbhanj district of Odisha state	Krishnendu Adhikary, Pradipta Banerjee, B. Praveen, Nilanjana Datta, Saurav Barman, Rajkumar Maiti.	Horticulture	Affrican journal of Biological Sciences	2024	2756-8210
385	EFFECT OF AG-NANOPARTICLE IN BIOCHEMICAL AND PHYSIOLOGICAL CHANGES DURING PROGRESS OF SEED DEVELOPMENT AND MATURATION IN GREEN GRAM	Aninda Chakraborty , Sanjoy Kumar Bordolui , Debarati Nandi , Sanghamitra Rout , Jui Ray , Siddhartha Shankar Sharma , Desetty J M S N K Sri Veda	GPB & SST	African Journal of Biological Sciences	2024	2663-2187
386	Carbon footprint of the predominant mechanized timber harvesting methods in the Northeastern US	Ashish Alex , Anil Raj Kizha , Alex K. George , Steven Bick , Jingxin Wang , Sharon Klein , Libin T. Louis , Ling Li ,	Agronomy and Agroforestry	Cleaner and Circular Bioeconom y	2024	2772-8013

		Priyan Perera , Abha Manohar K				
387	MAP3K1, SPEF2 and PLCZ1 genes association with fertility and semen quality traits of AI bulls in Andhra Pradesh	DEEPTHI CHANDAKA, VINOOR REGULA, SUDHAKAR KROVVIDI, NARENDRANATH DHULIPALLA and ASWANI KUMAR KAMISETTY	Livestock Farm Complex	Indian Journal of Animal Sciences	2024	0367- 8318
388	A Review on- Nutraceutical and Neuroprotective approaches of Momordica charantia L. fruits against neurodegenerative disease	Sanjeeb Mohanty , Yashaswi Nayak	Zoology	International journal of Basic and Clinical Pharmacol ogy	2024	pISSN 2319- 2003
389	Design and Analysis of Stacked 4×4 Array Antenna for Applications in the S and C Bands	Pulavarthi Venkata Kanaka Durga Prasad, Rajendra Kumar Khadanga, P. Satish Rama Chowdary	EEE	SSRG International Journal of Electrical and Electronics Engineerin g	2024	2348- 8379

390	Antibacterial Activity, Toxicity and Drug-Likeness Profiles of Woodfordia fruticosa-Derived Metabolites Using Computational-Aided Drug Design Platform	Dileswar Sahu, Ram Babu, Srinivas Acharya, Shasank S. Swain, Gyanranjan Mahalik*	Botany	International Journal of Experimental Research and Review	2024	2455-4855
391	Active phytoconstituents to tackle the resistance mechanism of MDR and XDR bacteria: A critical review	S Mallik, JN Mohanty*, SJ Sahoo	Botany	Microbes and Infectious Diseases	2024	2682-4132
392	HIGH-ORDER B-SPLINE FINITE DIFFERENCE APPROACH FOR SCHRODINGER EQUATION IN QUANTUM MECHANICS	Archana Senapati, Balaji Padhy, Shashikant Das		East European Journal of Physics	2024	2312-4334
393	Integrated Assessment of Groundwater Quality for Sustainable Irrigation in Drought-Prone Central Districts of Odisha, India	Asit Kumar Dandapat, Prafulla Kumar Panda, Sovan Sankalp, and Muralitharan Jothimani	Civil Engg.	Discover Sustainability	2024	2662-9984
394	Experimental Investigation on Hybrid	Debashree Debadatta Behera,	Mechanical Engineering	Journal of Physics:	2024	1742-6588

	Solar Dryer for drying mangoes	Shiv Sankar Das, R.C. Mohanty, A.M. Mohanty and Bijaya Bijeta Nayak		Conference Series		
395	Noscapine shows antimalarial activity against Plasmodium falciparum 3D7, its clinical isolate Pf140/SS, and Plasmodium berghei ANKA	Swaraj Kumar Babu, Sameer Maharana, Satyaranjan Chhatra, Dibya Ranjan Sahoo, Ashirbad Nanda, Satish Kanhar, Prativa K. Behera, Sanjib Mohanty, Pradeep Kumar Naik, Praveen Kishore Sahu	Pharmacy	Asian Pacific Journal of Tropical Biomedicine	2024	2221-1691
396	Optimization of efficiency of CZTS-based solar cell through exclusive BSF layer engineering method	Pratap kumar Dakua , Youssef Trabelsi, Usen Dudekula, Rajesh Tripathi , Sadanand, Abdelmoumene Laidouci,Deepak Kumar Panda, Rajesh Kumar Misra, Sagar Bhattara	ECE	Journal of Physics and Chemistry of Solids		

397	Influence of Planting Methods on Growth, Yield and Storage of Onion (<i>Allium cepa</i> L.) var. Bhima Shakti.	D. Jeevitha, Umesh Chimmalagi, K. Adishesha, Goutam B. Hosamani, T.V. Vinay, P.R. Dharmatti	Entomology	Indian Journal of Agricultural Research	2024	0367-8245
398	Thermal Cycle Behavior of Plasma Sprayed Thermal Barrier Coatings on Cast Iron Substrate for the Application of Liner of Internal Combustion Engine	Haridasa Nayak, Varun K R, Venkatesh M. K, Sonal Shamkuwar, R. Suresh Kumar, Sudarshan T A, Abhijeet Malge, Vijay M, C. Durga Prasad	Mechanical Engineering	Results in Surfaces and Interfaces	2024	2666-8459
399	Thermo- acoustic Behaviour of K_2CrO_4 and $K_4 [Fe(CN)_6]$ in Dimethylformamide Water at different Temperatures	Rajalaxmi Panda, Subhrraraj Panda* and Susanta Kumar Biswal	Physics	Recent Innovations in Chemical Engineering		ISSN (Print): 2405-5204 ISSN (Online): 2405-5212
400	Experimental evidence of shell effects in slow quasifission	A. Pal, S. Santra, P. C. Rout, A. Kundu, D. Chattopadhyay, Ramandeep Gandhi, P. N. Patil, R. Tripathi, B. J. Roy, Y. Sawant, T.	Physis	Phys. Rev. C	2024	2469-9985 (print) 2469-9993 (online)

		N. Nag, Abhijit Baishya, T. Santhosh, P. K. Rath, and N. Deshmukh				
401	Polyvinylpyrrolidone mediated electrospun ZnO-ZnFe ₂ O ₄ composite nanofibers for removing malachite green from water	Sradhanjali Raut, Shraban Kumar Sahoo	Chemistry	Results in Surfaces and Interfaces	2024	ISSN: 2666-8459
402	Development of Eutectics of Pioglitazone with Citric Acid and its Effect on Crystallite Properties and Dissolution	Mouli Das, Shibashis Panigrahy, Rasmita Dash, Rudra Narayan Sahoo, Rakesh Swain, Souvik Nandi, Sk Habibullah, Tanisha Das and Subrata Mallick	Pharmacy	Acta Chimica Slovenica	2024	
403	Flexible P (VDF–TrFE)/BNT–BT composite films and their dielectric, ferroelectric and energy storage properties	PS Lekshmi Priya, S Behera*, S Parida, A Choudhary, DK Rana	Physics	Journal of Materials Research	2024	0884-2914 for print and 2044-5326 for online

404	Unveiling the intricacies of the rice-Rhizoctonia pathosystem: a comprehensive review of host-pathogen interactions, molecular mechanisms, and strategies for sustainable management	Biswal, K.A. & Das, S*	Plant Pathology	Journal of Plant Protection Research	2024	ISSN-1427-4345, eISSN - 1899-007X
405	Nest architecture of stingless bee, <i>Tetragonula iridipennis</i> Smith from Assam, North East India	P.S. Saranya , S. Borkataki * , S. Sen , M.K. Deka , A. Devesh , K. Das , B. Bhattacharyya , R.R. Taye , M.D. Reddy	Chemistry/Agriculture	Journal of Environmental Biology	2024	p-ISSN: 0254-8704 • e-ISSN: 2394-0379 • CODE N: JEBID P
406	Cyber-Security Attacks on Microgrid and Its Mitigation via Adaptive Fuzzy PID Controller	Rajendra Kumar Khadanga, Deepa Das and Sidhartha Panda	EEE	International Journal of Fuzzy Systems	2024	1562-2479
407	Quantitative Phytochemical Investigation, Antibacterial Potency,	Chakrabarty, S., Swain, S.S., Mishra, M.P.	Clinical Microbiology	International Journal of Experiment	2024	2455-4855

	and Drug-ability Assessment of Three Indian Medicinal Plants Leaf Extracts Using Bioinformatics Tools			tal Research and Review		
408	Bio-efficacy of some plant powders against Callosobruchus maculatus infesting stored chickpea	Tumma Mounika, V. Rama Lakshmi, Peddi Naga Harsha Vardhan, Kavuri Kalpana and N. Venu Gopala Rao	Agricultural Extension Education	Journal of Entomolog ical Research	2024	0378- 9519
409	Empowering Smart cities:The Transformative Role of Machine Learning	Mirtipati Satish Kumar Ventrapati Jayaramkrishna Susanta Kumar Nayak	CSE	Industrial Engineerin g Journal	2024	0970- 2556
410	Retail Investors viewpoint regarding investment in Mutual Funds and Stock Market: A Comparative Study	Dr. Ratidev Samal, Ms. Parminder Kaur, Dr.Pooja Prakash Srivastava, Dr. Ajay Singh	Management	Journal of Informatics Education and Research	2024	1526- 4726
411	Recent Developments and Applications of 3D- Printing Technology in Pharmaceutical Drug Delivery Systems: A New Research	Suryakanta Swain, Bikash Ranjan Jena, Rabi Narayan Parhi	Pharmacy	Current Pharmaceu tical Design	2024	1381- 6892

	Direction and Future Trends					
412	Unveiling the potential of a novel inorganic perovskite for NTC thermistor and energy-storage applications	Harshavardhan Chouhan, Saurabh Prasad, Siddharth Parthasarathy, Rimpi Chakravarty, Madhurjya Modhur Borgohain, S Bhattacharjee, RK Parida, Saubhagyalaxmi Behera, BN Parida	Physics	Inorganic Chemistry Communications	2024	1387-7003
413	A strontium doped p–n heterojunction TiO ₂ /Sr–Co ₃ O ₄ composite for enhanced photocatalytic degradation of MG dye under solar light irradiation	Debapriya Pradhan,ab Susanta Kumar Biswal,b Rasmirekha Pattanaik,Nibedita Nayakc and Suresh Kumar Dash	Chemistry	New Journal of Chemistry	2024	1369-9261
414	Comparative microbial analysis of maize rhizospheric soil under conventional and zero tillage	Priyanka Mishra, Aravind T, B Praveen, Swapna Rani Gantayat and Sheela Dixit Mahanta	Plant Pathology	International journal of research in Agronomy	2024	2618-0618
415	COMPREHENSIVE ANALYSIS OF DIABETIC RETINOPATHY	Sushree Swagatika, Sourajit Kumar Banerjee, Sabnam	OPTOMETRY	Industrial Engineering Journal	2024	0970-2555

	USING MACHINE LEARNING: IMPLEMENTING SUPPORT VECTOR MACHINES (SVM), RANDOM FOREST, AND K-NEAREST NEIGHBORS (KNN) ALGORITHMS	Banu,Lakshmana Rao Rowthu				
416	Deep Learning Based Detection, Classification and Location of Power System Faults	Anajn Kumar Sahoo, Sudhansu Kumar Samal	EEE	Institute of Advanced Engineering and Science (IAES)	2024	2302-9285
417	Potential and economic feasibility analysis of solar-biomass-based hybrid system for rural electrification	HK Channi, Nimay Chandra Giri, R Sandhu, MI Abu El-Sebah, FA Syam	ECE	Bulletin of Electrical Engineering and Informatics (BEEI)	2024	2089-3191
418	State of charge control based improved hybrid energy storage system for DC microgrid	Rital R. Gajjar, Nimay Chandra Giri, Unnati Patel, Rakeshkumar C. Gajjar, Dhavalkumar Dave, Abouelmaaty M. Aly	ECE	Bulletin of Electrical Engineering and Informatics (BEEI)	2024	2089-3191

419	Modeling Solitary Wave via Numerical Solution of korteweg de vries and kdv-burger equation using differential quadrature	D.Datta, S. Rajesh, D. Kareen	EEE	International journal of applied non linear science	2024	1752-2862
420	Isothermal co-pyrolytic kinetics investigation of polystyrene/Polymethyl methacrylateblended bakelite	Pabitra Mohan Mahapatra, Narayan Gouda, Dipransu Pradhan, Prakash Chandra Mishra, Puspanjali Mishra, Achyut Kumar Panda	Chemistry	Canadian Journal of Chemical Engineering	2024	0008-4034
421	Does manipulation of phyto-based nanoparticles is a promising solution against multi-drug resistant (MDR) pathogens? A critical opinion towards tackling MDR pathogens.	Mallik S, Nayak S, Panda A, Behera S, Swain K, Patra A, Mishra R, Nath Mohanty J	Botany	Novel Research in Microbiology Journal	2024	2537-0286
422	Dual Band Rectenna for Electromagnetic Energy Harvesting at 2.4 GHz and 5 GHz Frequencies	Lalbabu Prasad, Harish Chandra Mohanta, and Ahmed Jamal Abdullah Al-Gburi	ECE	Progress in Electromagnetics Research B	2024	1937-6472

423	Optimizing trade-off between time, cost, and carbon emissions , in construction using NSGA-III : an integrated approach for sustainable development	Mayank Chauhan, Gaurav Strivastava, Prachi SIng, Jyoti Shukla, Krushna Chandra Sethi	English	Asian Journal of Civil Engineering	2024	1563-0854
424	Application of Box-Behnken Design for Formulation Optimization of Sorafenib loaded Nanoparticles Targeting to Liver Carcinoma: Ex-vivo Intestinal Permeation and Cytotoxicity Study	Gnyana Ranjan Parida, Gurudtta Pattnaik, Amulyaratna Behera, Dibya Lochan Mohanty, Suraj Sahoo	Pharmacy	International Journal of Drug Delivery Technology	2024	0975-4415
425	Enhancement of seed quality by bio-priming of cotton genotypes collected from different parts of western undulating zones of Odisha	Biswal, K.A., Ranasingh, N., Moharana, R.L., Das, S	Plant Pathology	Journal of Mycopathological Research	2024	0971-3719
426	Exploring Traditional Wisdom: Antipsychotic Properties of Ethano Medicinal Plants in the Cucurbitaceae Famiy	Trayambica Acharya, Rupali Rupasmita Rout, Satish Kanhar, Diptimayee Jena,	Pharmacy	Journal of Chemical Health Risks	2024	2251-6727

		Kirtimaya Mishra, Ashirbad Nanda				
427	In-silico, in-vitro and in-vivo Biological Activities of Flavonoids for the Management of Type 2 Diabetes	: Dash, Jyoshna Rani; Kar, Biswakanth; Pattnaik, Gurudutta	Pharmacy	Current drug discovery technology		
428	Novel approaches for the enhancement of bioavailability of drugs : An updated review	Jyoshna rani Dash, Gurudutta pattnaik, Biswakanth kar, Himansu Bhusan Samal, Gangadhar pradhan, Biswajit behera, Pratyush kumar baral	Pharmacy	Current drug discovery journal		
429	A Combination of Catechin and Metformin: Its Preclinical Efficacy and Safety in STZ-Induced Diabetic Rats	Jyoshna Dash1, Gurudutta Pattnaik1, Ashirbad Nanda1, Goutam Ghosh2, Goutam Rath2 and Biswakanth Kar2,*	Pharmacy	Letters in drug design and discovery		
430	Antidiabetic Potentials of Catechin in Combination with Metformin: An In Vitro And Molecular Docking Study	Jyoshna Rani Dash1, Gurudutta Pattnaik2, Sovan Pattanaik3, Goutam Ghosh4, Goutam Rath5 and Biswakanth Kar6,*	Pharmacy	Current bioactive compounds		

431	Ecological implications of chromium-contaminated effluents from Indian tanneries and their phytoremediation: a sustainable approach	Chirasmitha Mohanty, Vinay Kumar, Sabita Bisoi, Anto Simon Joseph M, Pratyush Kumar Das, Farzana, Mushtaq Ahmad, Chinnadurai Immanuel Selvaraj, Bhisma Narayan Ratha, Satyabrata Nanda, Surender Pal Gangwar	Phytopharmaceuticals	Environmental Monitoring and Assessment	2024	0167-6369
432	Migration Behaviour of Rural Youth from Agriculture in North Coastal Andhra Pradesh	Malluri Sai, Ajay Kumar Prusty, Chitrasena Padhy and Idemakanti Chandrakanth Reddy	Agricultural Extension Education	Indian Journal of Extension Education	2024	0537-1996
433	Preservation of the Indigenous Medicinal Knowledge Network of the Bonda Tribe	Alka Kumari, Atanu Deb, Ajay Kumar Prusty, Swati Suman, Dwity Sundar Rout and Amritesh Kumar Amar	Agricultural Extension Education	Indian Journal of Extension Education	2024	0537-1996
434	β -Amyloid peptide modulates peripheral immune responses and	Krishnendu Adhikary, Satyajit Mohanty, Bidyut Bandyopadhyay,		Biomolecular Concepts	2024	1868-503X

	neuroinflammation in rats	Rajkumar Maiti, Koushik Bhattacharya, Prithviraj Karak				
435	Assessing body composition through anthropometry: Implications for diagnosing and managing polycystic ovary syndrome (PCOS)	Suparna Parua, Arnab Das, Anukona Hazra, Prasenjit Chaudhuri, Koushik Bhattacharya, Sulagna Dutta, Pallav Sengupta		Clinical Physiology and Functional Imaging	2024	1475-097X
436	Novel targets and improved immunotherapeutic techniques with an emphasis on antimycosal drug resistance for the treatment and management of mycosis	Riya Sarkar, Krishnendu Adhikary, Arundhati Banerjee, Krishnendu Ganguly, Riya Sarkar, Satyajit Mohanty, Rumpa Dhua, Koushik Bhattacharya, Deepika Ahuja, Suchandra Pal, Rajkumar Maiti		Heliyon	2024	2405-8440
437	Occurrence of Abiotic and Biotic Stress Tolerance in Rice: A Multigene Approach	Manjulata Palei, Monalisha Das Mohapatra, Madhusmita	Biotechnology	Indian Journal of Agricultural Research	2024	0367-8245

		Pradhan, Ranjan Kumar Sahoo				
438	Estimation of SOC for Li-ion battery-powered three-wheeled electric vehicle using machine learning methods	Smitanjali Rout, Sudhansu Kumar Samal and Soumya Ranjan Mahapatro	EEE	Engineering Research Express	2024	2631-8695
439	One health concept with emphasis on zoonosis	M.G.Jayathangaraj and M.Raman	VCC			
440	Ameliorative Effect of Herbal Medicine in the Management of Hepatotoxicity	Sucharita Babu , Santosh K Ranjit , Gurudutta Pattnaik , Goutam Ghosh , Goutam Rath , Biswakanth Kar	Pharmacy	Endocrine, Metabolic & Immune Disorders - Drug Targets	2024	1871-5303
441	Optimizing rice (Oryza sativa) growth, productivity, profitability and nutrient uptake with coated urea and organic manure in the new alluvial zone of West Benga	SUSMITA DAS, SUKANTA PAL, HIRAK BANERJEE, AMIT KUMAR4 AND TANMOY SHANKAR	Agronomy and agroforestry	Indian Journal of Agronomy 69 (3): 241__246 (September 2024)	2024	0974-4460
442	Treatment of pulp and paper mill effluent through combined aerobic and anaerobic suspended fixed-bed bioreactor.	Pant, A., Dwivedi, A. K., Murasingh, S., Singh, D., Mayank, M., & Ojha, C. S. P.	Agricultural Engineering	Water Environment Research	2024	e11133

443	Genetic resources for enhancing drought tolerance from National Genebank collection of linseed (<i>Linum usitatissimum</i> L.) in India	Vikender Kaur, Devendra K Payasi, Rakesh Choudhary, Vishnu Kumar, Shashank K Yadav, Devender Singh, Vinay Kumar, Balram Jat, Deepa Garg, Vishal Kumar Gupta, Sudhir Kumar, Viswanathan Chinnusamy, Artika Singh Kushwah, Ashok Kumar, Gyanendra Pratap Singh	Genetics and Plant Breeding	Plant and Soil	2024	0032-079X
444	Dielectric, Ferroelectric, and Energy Storage Properties of Solvent Casted P (VDF-TrFE) Film	S Parthasarathy, S Behera, Srikanta Moharana	Physics	Iranian journal of Science	2024	2731-8109
445	Assessment of Crop water requirement using FAO CROPWAT 8.0 for Groundnut in South Odisha	Sumit Ray, Bandana Rani Barik, Sitabhra Majumder, Anamika Sinha, M.Devender Reddy, Lalichetti	Agronomy	Plant science today	2024	2348-1900

		Sagar & Supradip Sarkar				
446	Computational analysis of Boerhavia diffusa plant extracts targeting alpha actinin4 against focal segmental glomerulosclerosis	Bikash Chandra Satapathy , Sibani Sahu , Biswajit Mishra and Satya Narayan Sahu	Biotechnology	Research Journal of Pharmacy and Technology (RJPT)	2024	0974-3618
447	Naringenin nanoformulations for neurodegenerative diseases.	L Sahoo, N S Tripathy, F Dilnawaz	Biotechnology	Current Pharmaceutical Biotechnology	2024	1389-2010
448	Eugenol: The Phytocompound's Potential Biological Applications	N S Tripathy, L Sahoo, S K Paikray, F Dilnawaz	Biotechnology	BioNanoScience	2024	2191-1630
449	Enhancing Resilience in Coromandel's Coastal Agricultural Belt: A Study on Crop Diversification for Cyclone Risk Mitigation	Idemanakanti Chandrakanth Reddy, C. Prabakar	Agricultural Economics	Economic Affairs	2024	0424-2513
450	Physical and dynamic characterization of biodegradable oil-based magnetorheological fluid	MOHD ANIS ANSARI, ALFA BISOI, AGNIMITRA BISWAS	MECHANICAL	Applied Physics A	2024	

451	Physicochemical Characterization and Delignification Enhancement of Lignocellulosic Biomass for Sustainable Bioenergy	B. Rabi Prasad1 • P. Suman2* • R. K. Padhi3	Biotechnology	Iranian Journal of Science	2024	2731-8095
452	Optimizing nanoparticles use for growth promotion in zebrafish: insights on concentration-dependent effects	Sonali Priya Singh, Gagan Kumar Panigrahi and Annapurna Sahoo	Zoology	Nanotechnology for Environmental Engineering	2024	2365-6379
453	Nonsense-Mediated mRNA Decay in Human Health and Diseases: Current Understanding, Regulatory Mechanisms and Future Perspectives	Amrita Behera, Gagan Kumar Panigrahi and Annapurna Sahoo	Zoology	Molecular Biotechnology	2024	1073-6085
454	Integration of Artificial Intelligence in e-Health: Analyzing AI's Role in Diagnostics and Patient Management	Paramjeet Kaur, Sanmati Kumar Jain, Sushangkar Dey, UdayShankar Das, Anil Kumar, Rahul Pratap, Harjeet Singh, Shobhankumar D M	Medical Laboratory Technology	International Journal of Communication Networks and Information Security	2024	2073-607X

455	Biosynthesis of secondary metabolites in aromatic and medicinal plants in response to abiotic stresses: A review	J Pradhan, K Pramanik, A Jaiswal, G Kumari, K Prasad, Chinmaya Jena and A K Srivastava	Horticulture	Journal of Experimental Biology and Agricultural Sciences	2024	2320-8694
456	Assessment and Correlation Studies on Influence of Foliar Nutrient Management on Yield Attributing Traits and Physico chemical Parameters of Cashew (<i>Anacardium occidentale</i> L.) on Cv. Balabhadra	Chinmaya Jena, Pramod Kumar Panda, Kabita Sethi, Rabindra Kumar Nayak, Rajendra Kumar Panda, Kartik Pramanik, Chandan Kumar Rout	Horticulture	Agricultural Science Digest	2024	0976-0547
457	SYNTHESIS, CHARACTERIZATION, AND ANTIMICROBIAL ACTIVITY ASSESSMENT OF NOVEL PEPTIDE ISOSTERES	Shakti , Vinay Kumar Gupta , Anil Kumar, Jyoti Prakash Guru , Shakeel Ahmad, Debjani Sarkar , Kavita , Vikram , Rinchi Bora	Pharmacy	The Romanian Journal of Diabetes, Nutrition and Metabolic Diseases	2024	2068-8245
458	IOT ENABLED LABORATORY ULTRASONICATOR FOR NANOPARTICLE SYNTHESIS	Dr. Kalirajan Rajagopal, Mr. Kannan R, Dr. B Gowramma, Dr. Srikant Jupudi, Mr. Dhinesh Kumar M, Mr. Krutheesh,	Pharmacy			

		Miss Anju, Miss Shuvashree Meher, Dr. Rajeev Ranjan, Mr. Ankur Patel, Dr. Pranshu Tangri, Dr. Shrinivas Dattatraya Joshi				
459	DEVELOPMENT AND ASSESSMENT OF A NANOEMULSION CONTAINING CHENOPODIUM OIL AND TURMERIC FOR THE PURPOSE OF TREATING CANCER	A. Helen Sonia , Pratima Shinde , Pratima Bisen , Manoj Kumar Katual , L. Karpagavalli , Vivek Chourasia, Jyoti Prakash Guru , Shikha Pawar and Anil Kumar	Pharmacy	Community Practitioner Journal	2024	1462-2815
460	Advancements in Orchidaceae Species Identification: A Comprehensive Review of Traditional and Molecular Methods	Nisruti Anuja Behura1 , Naga Jogayya Kothakota2*, Bhagyeswari Behera3 , Syamala Alana Teja4 , Sangram K. Routray5 and Ram Babu	Botany	International Journal of Experimental research and Review	2024	2455-4855
461	Photocatalytic applications of metal oxide-based	Sangram Keshari Sahu, Amrita Palai, Dojalisa Sahu	Chemistry	Sustainable Chemistry for the	2024	2949-8392

	nanocomposites for sustainable environmental remediation			Environment		
462	Ecological implications of chromium-contaminated effluents from Indian tanneries and their phytoremediation: a sustainable approach	Chirasma Mohanty, Vinay Kumar, Sabita Bisoi, Anto Simon Joseph M, Pratyush Kumar Das, Farzana, Mushtaq Ahmad, Chinnadurai Immanuel Selvaraj, Bhisma Narayan Ratha, Satyabrata Nanda, Surender Pal Gangwar	Genetics and Plant Breeding	Environmental Monitoring and Assessment	2024	0167-6369
463	Human Trafficking and its violation in the Perspective of Human Rights	Dr.Girish Ranjan Sahoo	Law	The Academic International journal of Multidisciplinary Research	2024	2583-973X
464	The Institution of Engineers, India	Journal of Institution of Engineers, Series D	Mechanical	14-08-2024		Q3

465	Production and Marketing Practice of Maize in North Coastal Andhra Pradesh	V. Prasanna ¹ , Chitrasena Padhy ² , Ashok Kumar ³ and I. Chandrakanth Reddy ⁴	Agricultural Extension Education	Indian Journal of Extension Education	2024	0537-1996
466	Knowledge and Awareness about Nutrition Sensitive Agriculture in Southern Odisha	Nibedita Mishra ¹ , Satarupa Modak ² , Chitrasena Padhy ^{3*} and Soumik Ray ⁴	Agricultural Extension Education	Indian Journal of Extension Education	2024	0537-1996
467	Socio-psychological, Technological and Input based Strategies to be Adopted by Cotton Growers of Odisha to Manage Risks and Stresses in Cotton Cultivation	Chitrasena Padhy ¹	Agricultural Extension Education	Indian Journal of Agricultural Research	2024	0367-8245
468	Performance Enhancement and comparison of inner-shielded solar parabolic trough collector with various nanoparticles in syltherm-800 using computational fluid dynamics techniques	Ipsita Mishra, Pragyan Senapati, Mukundjee Pandey	ME	Clean Technologies and Environmental Policies	2024	1618-9558
469	Revolutionizing solar chimneys in harvesting clean energy: A review	Tapas Kumar Panda, Mukundjee Pandey. Ardhendu	ME	JP Journal of heat and	2024	0973-5763

		Mouli Mohanty, Ipsita Mishra, Madhusudan Pandey		mass transfer		
470	The Role of Curcumin on Rhinovirus (HRV14) Protein Inhibition by Targeting Host and Viral Proteins	Deeptimayi Dash 1,* , Rojalin Pattanayak 1 ,Laxminandan Satpathy 2 , Siba Prasad Parida 3,*	Zoology	Letters in Applied NanoBioSc ience	2024	2284- 6808
471	Perception and Adoption of Soil Health Card by Paddy Growers of North Coastal Andhra Pradesh	Chundru Ramya Madhuri1 , Akkamahadevi Naik2 *, Ashokkumar2 , Chitrasena Padhy3 and Soumik Ray4	Agricultural Extension Education	Indian Journal of Extension Education	2024	0537- 1996
472	Canonical Correlation Among Paddy Growers' Soil Health Card Knowledge Perception and Adoption in Andhra Pradesh	Chundru Ramya Madhuri1 , Akkamahadevi Naik2 *, Ashok Kumar2 and Chitrasena Padhy3 and Soumik Ray4	Agricultural Extension Education	Indian Journal of Extension Education	2024	0537- 1996
473	Economic Viability and Marketing Networks of Finger Millet in North Coastal Andhra Pradesh	Beera Anusha1 *,Akkamahadevi Naik2 ,Ashok Kumar2 and Idemakanti	Agricultural Economics	Indian Journal of Extension Education	2024	0537- 1996

		Chandrakanth Reddy3				
474	Influence of rice straw incorporation and recommended dose of primary nutrients on growth, productivity and nutrient use efficiency of Rabi maize (<i>Zea mays</i> L.)	Chabolu Venkata Raghava, Rajesh Shriram Kalasare, Tanmoy Shankar, Bishnuprasad Dash, Masina Sairam and Shaik Rishitha	Agronomy & Agroforestry	Plant Science Today	2024	
475	Investigation on the thermal, mechanical, and antibacterial properties of polymer nanocomposites from waste polypropylene and cerium oxide nanoparticles	I.Siva Ramakoti, Narayan gouda, Achyut k Panda	Chemistry	Polymer Bulletin	2024	0170-0839
476	In vivo assessment, formulation, characterization and enhancing pharmacotherapy of encapsulated mini tablets for immediate release Sildenafil citrate and sustained release Bosentan	Deepak Kumar Sarangi, Ch. Niranjan Patro, Nalini Kanta Sahoo, Nihar ranjan das, Komal Preet Kaur, Jahnvi Gupta	Pharmacy	Results in Chemistry	2024	2211-7156
477	Reinforcement of recycled polypropylene	Ivaturi Siva Ramakoti , Achyut	Chemistry	Journal of polymer	2024	0334-6447

	by nano lanthana with improved thermal, mechanical and antimicrobial properties	Kumar Panda , Soumya Jal and Narayan Gouda		engineerin g		
478	Solid Lipid Nanoparticles: A Review of their Biomedical Applications and Preparation	Mayukh Jana, Ujjwal Kumar Biswas, , Biplab Debnath, Suraj Sharma and Sweet Naskar	Pharmacy	Pharmaceu tical Nanotechn ology	2024	2222
479	Selection and Characterization of a Nanoemulsion of Poorly Soluble Drug by Applying Box-Behnken Design and Converting it into a Nanoemulgel for Topical Application	Lakshmi U Ayalasomayajula, Saroj K Raul	Pharmacy	Internation al Journal of Pharmaceu tical Quality Assurance	2024	0975- 9506
480	Anaphora and Entertainment Industry Economics from the Perspectives of Indian Movie Sequels: A Critical Study	Rabinarayan Patnaik, Sasmita Mohanty and Ansuman Jena	Management	Empirical Economics Letters	2024	1681- 8997
481	Recent Advancement in Exosome-Inspired Lipid Nanovesicles for Cell- Specific Drug Delivery	Siva Prasad Sunkara,Nihar Ranjan Kar, Shaik Kareemulla,Koushi k Narayan Sarma,Komal	Pharmacy	Internation al Journal of Pharnaceut ical	2024	2230- 973X / 2230- 9713

		Umare Thool, Manoj Kumar Katual, Pydiraju Kondrapu		Investigati on		
482	GC-MS analysis and antioxidant activity of <i>Gyrocarpus asiaticus</i> Willd.	Surajit Maity, Gopal Krishna Padhy, Lakshmi Kanta Kanthal, Suman pattanayak	Pharmacy	Research Journal of Pharmacy and Technolog y	2024	0974- 3618
483	Comparison of residual heterosis in F2 and F3 segregating generations of Indian Mustard [<i>Brassica juncea</i> (L.) Czern & Coss.] crosses	Avralima Sarkar, Suvendu Kumar Roy, S Vishnupriya, Moumita Chakraborty, Lakshmi Hijam, Naderla Umamaheswar, Sanghamitra Rout, Shivani Bharti, Bandan Thapa, Saikat Das	Genetics and Plant Breeding	Electronic Journal of Plant Breeding	2024	0975- 928X
484	Optimizing cabbage (<i>Brassica oleracea</i> var.capitata) production through integrated nutrient management: Enhancing yield, quality, and sustainability	Tharun Rangu1 , Sanghamitra Rout2 , Archi Gupta1*, Charupriya Chauhan3 , Vandana Thakur1 , Mukesh Kumar4 , SK Yadav5 , G.	Genetics and Plant Breeding	Plant Science Today	2024	2348- 1900

		Veera Narayana ¹ & Harpreet kaur ¹				
485	Classification of wheat genotypes on the basis of morphological and physiological traits in combination with spot blotch resistance under terai sub-Himalayan region	Ponaganti Shiva Kishore ¹ , Suvendu Kumar Roy ¹ *, Saikat Das ² , Basid Ali ¹ , S. Vishnupriya ¹ , Lakshmi Hijam ¹ , Moumita Chakraborty ¹ , Puspendu Dutta ³ , Rupsanatan Mandal ⁴ , Avijit Kundu ⁵ and Sanghamitra Rout	Genetics and Plant Breeding	Electronic Journal of Plant Breeding	2024	0975-928X
486	ESTIMATION OF BIOCHEMICAL CHANGES IN GREEN GRAM (<i>Vigna radiata</i> L.) DURING STORAGE	A Chakraborty ^{1, 2} , S K Bordolui ² , D Nandi ³ , J Ray ¹ , J M S N K S V Desetty ¹ and S Rout ^{1*}	Genetics and Plant Breeding	Agriculture Research Journal	2024	2395-146X
487	Lactic acid bacteria in fermented dairy foods: Gamma-aminobutyric acid (GABA) production and its therapeutic implications	Rajashree Jena and Prasanta Kumar Choudhury	Dairy Technology	Food Bioscience	2024	2212-4292

488	Advanced biomaterials for regenerative medicine and their possible therapeutic significance in treating COVID-19: A critical overview	Ashish K. Sarangi, Mohamed A. Salem, Mustafa D. Younus, Hala El-Haroun, Ahmed Mahal, Lizaranee Tripathy, Rajashree Mishra, Muhammed Shabil, MPharmaf, Fahad A. Alhumaydhi, Mahalaqua Nazli Khatib, Ganesh Bushi, Sarvesh Rustagi, Debankur Dey,Prakasini Satapathy, Suhas Ballal, Pooja Bansal, Kiran Bhopte, Balvir S. Tomar, Snehasish Mishra, Mohammed Alissa, Ranjan K. Mohapatra, Zeinhom M. El-Bahy	Chemistry	International Journal of Surgery	2024	1743-9191
489	Characterization and Antimicrobial activity of essential oils	Krishnendu Adhikary, Saurav Barman, Pradipta	Soil Science	Zeitschrift fur Naturforsch	2024	1865-7125

	extracted from lemongrass(<i>Cymbopogon flexuosus</i>) using microwave-assited hydro distillation	Banerjee,Pallav Mondal, Bomba Dam, Arijit Misra, Narayan Chandra Mandal, Demosmita Mukherjee, Bidyut Bandopadhyay and Rajkumar Maiti		hung - Section C Journal of Bioscience s		
490	Immunomodulation of Macrophages in Diabetic Wound Individuals by Structurally Diverse Bioactive Phytochemicals	Krishnendu Adhikary; Riya Sarkar; Sriparna Maity; Ishani Sadhukhan; Riya Sarkar; Krishnendu Adhikary; Saurav Barman; Rajkumar Maiti; Sanjoy Chakraborty; Tandra R. Chakraborty; Debasis Bagchi; Pradipta Banerjee	Soil Science	pharmaceuticals	2024	1424-824
491	Growth, productivity and quality of colored capsicum (<i>Capsicum annuum</i> L.) as influenced by hybrids and plant growth regulators under	Maitra, S., Sairam, M., Santosh, D.T., Gaikwad, D.J., Sahoo, U.	Agronomy & Agroforestry	Research on Crops	2024	2348-7542

	controlled environment conditions					
492	Genome-Wide Analysis for Yield-Related Agronomic and Biochemical Traits of Chinese and Bangladeshi Grass Pea Genotypes Using SSR Markers	Rahman, M. M., Quddus, M. R., Xu, Q., Hossain, M. M., Liu, R., Li, M., Yan, X., Li, G., Ji, Y., Wang, C., Sarker, A., Yang, T., Zong, X., Hossain, M. M., Alfarraj, S., Ansari, M. J., Maitra, S., & Hossain, A.	Agronomy & Agroforestry	Phyton-International Journal of Experimental Botany	2024	0031-9457
493	Impact of Rabi maize-legume intercropping system on growth, yield and crop competition in maize	Sagar M, Sain, S, Sairam, M, Shankar, T, Ray, S, Banerjee, M, Malik G.C.	Agronomy & Agroforestry	Research on Crops	2024	2348-7542
494	Agrometeorological Indices, Physiological Growth Parameters and Performance of Finger Millet as Influenced by Different Cultivars Under Hot and Sub-Humid Region of Odisha	Mukesh, G., Sairam, M., Maitra, S., Sagar, L., Gaikwad, D.J., Sagar, L., Ray, S.	Agronomy & Agroforestry	International Journal of Experimental Research and Review	2024	2455-4855
495	Root parameters and water productivity of	Gouda, H.S., Singh, Y.V.,	Agronomy & Agroforestry	Journal of Agriculture	2024	2666-1543

	rice and wheat in a rice–wheat cropping system as influenced by enriched compost and crop establishment methods	Shivay, Y.S., Biswas, D.R., Bana, R.S., Poornima, S., Manu, S.M., Maitra, S., Sairam, M., Salmen, S.H. and Alharbi, S.A		and Food Research		
496	Nanotechnology in Drug Delivery: An Overview of Developing to Blood Brain Barrier	Rasmita Dash, Subhankar Samanta, Bikash Ranjan Jena, Soumyaranjan Pradhan	Pharmacy	Current Neurovascular Research	2024	
497	An open call for nano-based therapy to address COVID-19 and oncological clinical conditions	Rasmita Dash, Rudra Narayan Sahoo, Gurudutta Pattnaik, Ashish K. Sarangi, Venkataramana Kandi, Snehasish Mishra, Sarika Verma, Ranjan K. Mohapatra	Pharmacy	International Journal of Surgery	2024	1743-9159
498	Exploring the mineral content, nutritional, and phytochemical composition of aqueous shoot extracts of bamboo for ethnopharmacological	Biswajeet Acharya, Amulyaratna Behera, Prafulla Kumar Sahu, Durga Prasad Mishra, Sukumar Purohit, Bimalendu	Pharmacy	Advances in Bamboo Sciences	2024	2773-1391

	significance from the Niyamgiri hill range, Kalahandi, Odisha, India	Chowdhury, Suchismeeta Behera				
499	Protective effect of Tecoma stans (L.) Juss.ex Kunth in CFA-induced arthritic rats	Chandan Das a, Pritam Kar a, Priyanka Dash a, Deepak Pradhan a, Vineet Kumar Rai a, Tushar Kanti Rajwar a, Jitu Halder a, Sucharita Babu b, Kautuk Kumar Sardar c, Anusree Raha d, Debajyoti Das a, Salim Manoharadas e, Biswakanth Kar a, Goutam Ghosh a, Goutam Rath	Pharmacy	Journal of Ethnopharmacology	2024	0378-8741
500	Sustainable synthesis of silver nanoparticles from Azadirachta indica: antimicrobial, antioxidant and in silico analysis for periodontal treatment	Binapani Barik1Bhabani Sankar SatapathyBhabani Sankar Satapathy2Gurudutta Pattnaik Gurudutta Pattnaik1*Desai Vijay	Pharmacy	Frontiers in Chemistry	2024	NA

		BhavraoDesai Vijay Bhavrao3Krishna Prasad Shetty Krishna Prasad Shetty3*				
501	Development and Validation of Stability Indicating RP-HPLC method for simultaneous estimation of Lobeglitazone and Metformin in tablet dosage form	Bharatbhusan Sahu	Pharmacy	Nanotechnology Perceptions	2024	1660-6795
502	Targeting Neurological Disorders with Stilbenes: Bridging the Preclinical-Clinical Gap	Md. Zamshed Alam Begh, Jishan Khan, Mehrukh Zehravi, Sherouk Hussein Sweilam, A. Dinesh Raja, A. Muthukumar, M Akiful Haque, Nihar Ranjan Kar, Laliteshwar Pratap Singh, B. Dharani Priya, Mohammed Ali Alshehri, Irfan Ahmad, Sojin Kang, Seungjoon Moon, Moon Nyeo	Pharmacy	International Journal of Biological Sciences	2024	1449-2288

		Park, Talha Bin Emran, Bonglee Kim				
503	Prediction of swelling pressure of expansive soil using machine learning methods	Sumit Gahlot, Rajat Mangal,Abhishek Arya,Barada Prasad Sethy & Krushna Chandra Sethi	Civil Engineering	Asian Journal of Civil Engineerin g	2024	1563-0854
504	Enhancing 5G Cellular Communications: A Comparative Analysis of OTFS and GFDM Multiple Access Schemes	T. Sairam Vamsi, Harish Chandra Mohanta, Sudheer Kumar Terlapu, M. Vamshi Krishna	ECE	Internation al Journal of Multiphysi cs	2024	1750-9548
505	Exploring the anticancer and antioxidant potential of gold nanoparticles synthesized from Pterocarpus marsupium bark extract against oral squamous cell carcinoma	Smrutipragnya Samal, Rajesh Kumar Meher, Pratyush Kumar Das, Santosh Kumar Swain, Debasmita Dubey, Mohd Shahnawaz Khan & Bigyan Ranjan Jali	Phytopharma	Artificial Cells, Nanomedic ine, and Biotechnol ogy	2024	2169-1401
506	Current Perspective of Carbazole Scaffolds in Cancer Therapy	Muskan Gupta; Shikha Sharma; Biswa Mohan	Pharmacy	Current Bioactive Compound s	2024	1573-4072

		Sahoo; Bimal Krishna Banik				
507	Current Insights into Therapeutic Potential of Terpenoids as Anticancer Agents	Biswa Mohan Sahoo*, Bimal Krishna Banik, Shikha Sharma and Bhupendra Singh	Pharmacy	Anti- Cancer Agents in Medicinal Chemistry	2024	1871- 5206
508	ROLE OF SOCIAL RESPONSIBILITY IN ENHANCING ORGANIZATIONAL PERFORMANCE	Dr. Gajanan Lokdiba Shendge, Mrs. Sonia Panigrahi, Dr. Suprava Sahu, Dr. T. Amutha, Dr. Sashikala V, Brahma Edwin Barreto	Agronomy and agroforestry	African journal of Biological science	2024	2663- 2187
509	Redefining Higher Education Institutions With Artificial Intelligence	Dr. B. Neelambaram, Dr. P Padma Ganga , Antonyraj J M , Sonia Panigrahi , Dr. Shakti Awasthi , Dr. Brahma Edwin Barreto	Agronomy and agroforestry	Nanotechn ology Perception s	2024	1660- 6795
510	Understanding Breakup Phenomena Using Monte Carlo Simulation for Nuclear Reaction	Swain M. ;Rath P.K.;Gondaliya, Nirali H.;Shah, Pankaj;Patel, Vaishali R.;Deshmukh, Ami	Physics	Internation al Journal of Engineerin g Trends and	2024	23490 918

		N.; Prajapati, Ravindra;Swain, Gayatri		Technolog y		
511	The flow of humanitarian aids is the urgency to address food security and health safety in the Gaza Strip: an open call	Ranjan K. Mohapatra, Lawrence Sena Tuglo, Ashish K. Sarangi, L. V. Simhachalam Kutikuppala, Snehasish Mishra	Chemistry	Internation al Journal of Surgery: Global Health	2024	2576- 3342
512	Diversity and Relative Abundance of Insect Pollinators on Pigeon Pea (Cajanus cajan L.) in Gajapati District of Odisha	Deepayan Padhy, Chitta Ranjan Satapathy,Shimanti ni Borkataki, Tanmoy Shankar, Soumik Ray	Agronomy and agroforestry	Legume Research	2024	0250- 5371
513	Exploring the mechanical and thermal properties of rubber based nanocomposites: A comprehensive Review	Sameer Panda, Swetalina Mishra,Somalika Pradhan, Nitesh Dhar badgayan	Chemistry	Journal of mechanical behaviour of materials	2024	2191- 0243
514	Renewable Energy and Climate Change: Evaluating the Environmental Impact and Potential for Carbon Neutrality	Chandaka Deepthi1, Karthika Vishnu Priya Kathula2, Sapparapu Sai Sivani2, M.	Agronomy and agroforestry	Library Progress Internation al	2024	0970 1052

		Mohana Keerthi ³ , S. Ramesh ⁴ , A. V. Khanpara ⁵ , Sandeep Rout ⁶ , Raghul. S				
515	Liquisolid Technique for Solubility Enhancement of Poorly Soluble Drug - A Brief Review	Amaresh Prusty , Bikash Ranajn Jena , Vivek Barik , Piyali Khamkat, Bhakti Bhusan Barik	Pharmacy	Current Drug Discovery Technolgy	2024	1570- 1638
516	A review on Influence of climate change on agronomic practices and crop adaptation strategies	Y.B.Vala, M Sekhar, B.Sudeepthi, Vangapandu Thriveni, Michelle C.Lallawmkimi, R. Ranjith and S. Eswara Reddy	Horticulture	Journal of Experimen tal Agriculture Internation al	2024	2457- 0591
517	A review on integrating Bioinformatics tools in Modern plant breeding	Vangapandu Thriveni, Jatin Teotia, Somak Hazra, Thounaojam Bharti, Manoj Kumar, Michelle C. Lallawmkimi and Deepak Panwar	Horticulture	Archives of Current Research Journal	2024	2454- 7077

518	Enhancement of growth and yield of Valentina (Purple cauliflower) through different Micronutrients optimization	Vadada Vinay Kumar,Eggadi Ramesh, Vangapandu Thriveni and Bishnuprasad Dash	Horticulture	Environme nt and Ecology	2024	
519	EVOLUTION OF GLP: BEST PRACTICES AND EMERGING TRENDS IN GLOBAL AND INDIAN PHARMA	Vijaya Kumar Meher, Shalini Immadi , Kumaraswamy Gandla, Ajay Motukuri, Aparadapu Poojitha, Maharaj Lavanya	PHARMACY	pharmacy	2024	
520	Automation and Robotics in healthcare Industry for Monitoring patients in Critical care unit	manish Kumar thimmaraju, Vijaya Kumar meher, Hemalatha gadegoni	PHARMACY	phramacy	2024	
521	ESTIMATION OF BIOCHEMICAL CHANGES IN GREEN GRAM (Vigna radiata L.) DURING STORAGE	A Chakraborty, S K Bordolui, D Nandi, J Ray, J M S N K S V Desetty and S Rout	GPB & SST	Agriculture Research Journal	2024	
522	EFFECT OF AG-NANOPARTICLE IN BIOCHEMICAL AND PHYSIOLOGICAL	Aninda Chakraborty, Sanjoy Kumar Bordolui, Debarati	GPB & SST	African journal of Biological science	2024	

	CHANGES DURING PROGRESS OF SEED DEVELOPMENT AND MATURATION IN GREEN GRAM	Nandi, Sanghamitra Rout, Jui Ray, Siddhartha Shankar Sharma, Desetty J M S N K Sri Veda				
523	Treatment of pulp and paper mill effluent through combined aerobic and anaerobic suspended fixed-bed bioreactor	Apourv Pant, Anuj Kumar Dwivedi, Surajit Murasingh, Deepak Singh, Muskan Mayank, Chandra Shekhar Prasad Ojha	Agricultural Engineering	Water Environme nt Research	2024	
524	Assessment of Wheat Crop Water Requirement for South Bihar by FAO CROPWAT 8.0	Anamika Sinha, Sumit Ray, Sitabhra Majumder,Bishnup rasad Dash, Bandana Rani Barik, M. Devender Reddy	Soil Science	Agricultura l Science Digest	2024	
525	Epigenetic Biomarkers in Alzheimer's Disease: Diagnostic and Prognostic Relevance	Tapan Behl, Ashishkumar Kyada,R. Roopashree,Deepa k Nathiya,Renu Arya, M. Ravi Kumar, Mohammad Khalid, Monica Gulati, Monika	Pharmacy	Ageing Research Review	2024	

		Sachdeva, Mohammad Fareed, Pratap Kumar Patra, Ankur Agrawal, Pranay Wal, Amin Gasmi o p				
526	Internalization of macromolecules into filarial parasites – Possible operation of host's anti-fecundity immunity inside adult filarial nematodes	Bikash Ranjan Sahu, Nityananda Mandal, Ahmad O. Babalgith, Noha E. Abdel-razik, Abdullah F. Aldairi, Farkad Bantun, Raju K. Mandal, Shafiul Haque, Aditya K. Panda.	Zoology	Journal of King Saud University - Science	2024	1018- 3647
527	Genetic resources for enhancing drought tolerance from National Genebank collection of linseed (<i>Linum usitatissimum</i> L.) in India	Vikender Kaur, Devendra K. Payasi, Rakesh Choudhary, Vishnu Kumar, Shashank K. Yadav, Devender Singh, Vinay Kumar, · Balram Jat, Deepa Garg, Vishal Kumar Gupta, Sudhir Kumar,	Genetics and Plant Breeding	Plant and Soil	2024	

		Viswanathan Chinnusamy, Artika Singh Kushwah, Ashok Kumar, Gyanendra Pratap Sing				
528	Identification and quantification of risks associated with rice-based production system: an empirical evidence from Odisha, India	Saddam Hossen Majumder ^{1,2,3} , Nivedita Deka ² and Biswajit Mondal ^{3,*}	Agricultural Economics	Current Science	2024	
529	A Study on Flow of Market Information on Supply Chain of Banana	Mehazabeen. A and Gm Srinivasan	Agri Business Management	Indian Journal of Natural Sciences	2024	
530	Enhancing Breast Cancer Risk Prediction through Comprehensive Ensemble Machine Learning Analysis : A study on Clinical , Genetic and Demographic Factors	Chandrakant Mallick ,Chitta Ranjan Behera , Subrat Kumar Parida, Bijay Kumar Paikaray	CSE	Inderscience		
531	Effect of Different Levels of Potash on Growth, Yield Attributes and Yields of Transplanted Kharif	Alaka Mishra, Rajesh Shriram Kalasare, Supradip Sarkar, Bandana Rani Barik, Rahul	Agronomy	International Journal of Experimental	2024	

	Rice (<i>Oryza sativa</i> L.) in Southern Odisha	Adhikary and Vishal Kumar Gupta		Research and Review		
532	ASSESSMENT OF SYNERGISTIC EFFECTS OF COMBINATION THERAPY WITH NOVEL ANTICANCER COMPOUNDS IN RAT MODELS	Jaymala Arun Kumawat, Anil Kumar, Shyama Sundar Sahu, Praveen Nasa, Sanmati Kumar Jain, Ponnudurai Kathiresan, Vinay Kumar Gupta, Rajashekar Perusomula and Rajeswar Das	PHARMACY	BIOCHEM ICAL AND CELLULA R ARCHIVE S	2024	
533	Artificial Intelligence in Breast Cancer Screening in Inducing Diagnostic Accuracy with Early Detection	Amiya Kumar Prusty, Prasanna Parida, Pradip Kumar Prusty, Surya Kanta Swain, Bikash Ranjan Jena, Ram, Sanjoy Das and Bhisma Narayan Ratha. Naresh Yadav	ZOOLOGY	ANGIOTH ERAPY	2024	
534	Deep learning and IoT for detecting and classifying leaf diseases in Agriculture 4.0: a systematic review	Swarna Prabha Jena; Sujata Chakravarty; Bijay Kumar Paikaray	ECE	Internation al Journal of Internet Manufactu ring and	2024	

				Services (IJIMS)		
535	Impact of sublethal copper exposure on <i>Penaeus indicus</i> post-larvae: biochemical and proteomic insights	Suman Polaki, Samuel David Raj Thatipaka & Rupa Vani Paila	Biotechnology	Aquaculture international	2024	
536	Emerging Applications of Medical Nanorobots in Health Care: Current Trends and Future Prospects	Surya Kanta Swain, Prafulla Kumar Sahu, Bikash Ranjan Jena, Biswajeet Acharya	Pharmacy	Current Molecular Medicine	2024	1566- 5240
537	Dynamics of Weed and Productivity in Summer Green Gram (<i>Vigna radiata</i> L.) by Using Different Nitrogen Levels and Weed Control Techniques in South-Eastern Odisha	Koushik Sar, Arunabha Pal, Md. Riton Choudhury, Chunchu Suchith Kumar, Pilli Manasa, Subhashree Sarangi, Nayan Kishor Adhikary, Priyanka Nandi	Soil Science	International Journal of experimental Research and Review	2024	2455- 4855
538	Studies on the influence of biofertilizers in combination with inorganic nutrients on growth, yield and quality attributes of onion (<i>Allium cepa</i> L.)	Bandi Sai Phanendra, Eggadi Ramesh, Sunna Deepti and Arunabha Pal	Horticulture	Environment Conservation Journal	2024	0972- 3099 (Print) 2278- 5124 (Online)

539	Modulation of Antioxidant Properties in Leaves of Betel Vine (Piper betel L.) Influenced by the Fungicide Blitox	Poulami Sil, Arunava Chakvarty, Shampa Purkaystha, Punnam Chhetri, Goutam Kumar Dash and Shuvadeep Halder	Agronomy and agroforestry	Journal of Advances in Biology and Biotechnology	2024	2394-1081
540	Deep Learning-Based Diagnostic Models for Early Detection of Alzheimer's Disease Using MRI and Genetic Data	Mukesh Madanan, Ritesh Kumar, Yogesh D Akhare, K. Makanyadevi, Sridevi Gamini and Mohit Tiwari	Plant Pathology	Frontiers in Health Informatics	2024	2676-7104
541	Traditional methods of detoxifying medicinal plants: an ethnobotanical survey in the Bargarh district, Odisha	Dileswar Sahu & Gyanranjan Mahalik*	Botany	Proceedings of the Indian National Science Academy	2024	2454-9983
542	Optimizing time, cost environment impact, and client satisfaction in sustainable construction projects using LHS-NSGA -III : a multiple-objective approach	Amir Prasad Behera, Amit Dhawan, V. Rathinakumar , Manish Bhradwaj, Jay Singh Rajput, Krushna Chandra Sethi	English	Asian Journal of Civil Engineering	2024	1563-0854
543	Elevated CO ₂ and nanoparticles for the	Trinath Khandaitaray, P R	Agronomy	Legume Research	2024	0250-5371

	management of pulse beetle, <i>Callosobruchus chinensis</i> L. in stored chickpea	Mishra, Satya Narayan Satapathy*, Tanmoy Shankar, Tribijayi Badjena, Barsha Tripathy, Subhashree Subhasmita Paikaray				
544	Seaweed extracts: enhancing plant resilience to biotic and abiotic stresses	Gagan Kumar, Satyabrata Nanda, Sushil Kumar Singh, Sanjeet Kumar, Divya Singh, Bansh Narayan Singh, Arpan Mukherjee	Biotechnology	Frontiers in Marine Science	2024	
545	Impact of Some Ethnomedicinal Plants Extracts Against Screened MDR Strains Isolated from UTI Patients Population of a Tertiary Care Centre in Eastern India	Susmita Chakrabarty ¹ , Mamalisa Sahoo ¹ , Monali Priyadarsini Mishra ^{1*} , Dattatreya Kar ²	Clinical Microbiology	International Research Journal of Multidisciplinary Scope	2024	2582-631X
546	Exploring Molecular Methods for <i>Candida</i> species Identification and Characterization	Sushree Swagatika Subhadarsini ^{1,2} , Monali Priyadarsini Mishra ¹ , Debasmita	Clinical Microbiology	International Research Journal of Multidisciplinary	2024	2582-631X

		Dubey3,Gopal Krishna Purohit		linary Scope		
547	EMS-Mediated Mutagenesis in Marigold Seeds and Its Effects on Seedling Growth and Physiology	Meng C, Ullah I, Wu W, Zhang Y, Shi R, Luo S, Luo C, Nanda S, Seleiman MF, Jiang Y, Huang W	Biotechnolog y	Phyton- Internation al Journal of Experimen tal Botany	2024	0031- 9457
548	A Comprehensive Review of Water Quality Analysis	Bhaktishree Nayak and Prafulla Panda	Civil Engineering	Internation al Journal of Image and Graphics	2024	0219- 4678
549	A Hybrid CNN-LSTM Approach to Enhancing Temperature Forecasting for Environmental Threats and Risk Management	Sasmita Kumari Nayak	CSE	Internation al journal of Business Continuity and Risk Manageme nt	2024	1758- 2164
550	Analysis of Inscribed Hexagonal Slot Loaded Antenna for Short Range RFID Reader Applications	Rupanita Das, Tanmay Kumar Das, Ajay Kumar Yadav, Harish Chandra Mohanta, Abdul Kayum Muhammad Zakir Hossain, Ahmed	ECE	Progress In Electromag netics Research C	2024	1937- 8718

		Jamal Abdullah Al-Gburi				
551	Deciphering the Pharmacological Realm of Ranibizumab in Ophthalmology: Present Insights and Future Prospects	Kirtimaya Mishra, Diptimayee Jena, Sarbojeet Goswami	Pharmacy	Journal of Young Pharmacists	2024	
552	Emergence of Nigrospora Leaf Blight as Major Biotic Stress in South Eastern Coastal Region of India	Adhikary, A., Das, S., Chakraborty, A.	Plant Pathology	Agricultural Science Digest	2024	ISSN:0253-150XE - ISSN:0976-0547
553	An Overview of Receptor-targeted Nanotechnological Approaches for the Treatment of Metastatic Breast Cancer	Pritipragatika Nayak, Suryakanta Swain, Itishree Jogamaya Das, Sushree Sambita Swain and Himansu Bhusan Samal	Pharmacy	Current Nanomedicine	2024	2468-1881
554	Phenotypic Identification And Genotypic Profiling Of Candida Species Isolated From Vaginal Swabs	Sushree Swagatika Subhadarsini ^{1,2} , Gopal Krishna Purohit ^{2*} , Monali Priyadarsini Mishra ¹ ,	Clinical Microbiology	African Journal of Biomedical Research	2024	1119-5096

		Debasmita Dubey 3				
555	Updated insights on clinical diagnosis and targeted therapy of acute myeloid leukemia(AML): A molecular approach	Krishnendu Adhikary, Krishnendu Ganguly, Nirban Roy, Parimal Bar, Sonalika Mahapatra, Rajkumar Maiti*	Medical Laboratory Technology	Chemical Biology LETTERS	2024	
556	Electrospun metal oxide based composite nanofibers for adsorptive removal of organic and inorganic pollutants from aqueous solution: A review	Sradhanjali Raut, Shrabhan Kumar Sahoo	Chemistry	Journal of Industrial and Engineering Chemistry	2024	1876-794X
557	Investigation of phytochemical screening and In-vitro Evaluation of Asthmatics activity of Mandevilla Lindl	Ashok kumar, Roop Ranjan Rath, Anup Patil, Rohini Karunakaran, Ashok kumar BS, Karuna Priyachitra, Umadevi A, Sumit Kumar	Pharmacy	Nanotechnology Perceptions	2024	1660-6795
558	AI- Powered Environmental Monitoring: Machine Learning Approaches for Air and Water Quality Assessment	R P Ambilwade, Ritesh Kumar, K S Narayana, Pilla Srinivas, Baljeet Yadav and Saket Rusia	Plant Pathology	Nanotechnology Perceptions	2024	1660-6795

559	Nutritional Factors in Relation to Infestation of Spotted Stem Borer <i>Chilo partellus</i> Swinhoe in Maize	Manish K Yadav, A K Rai and Deepayan Padhy	Entomology	Indian Journal of Entomology	2024	0974-8172
560	Combining Ability and Heterosis Analysis for Seed Yield and Yield Related Traits in Table Pea [<i>Pisum sativum</i> (L.)var. hortense]	Archi Gupta, Bijendra Singh, Mukesh Kumar, V.R. Sharma, Charupriya Chauhan, Sanghamitra Rout, Satish K. Yadav	Genetics and Plant Breeding	Legume Research- An International Journal	2024	0250-5371
561	DnnARs: An Artificial Intelligence Technique for Prediction of Antimicrobial Resistant Strains in E. coli Bacteria Causing Urine Tract Infection	Debasish Swapnesh Kumar Nayak, Arpita Priyadarshini, Pabani Mahanta, Tejaswini Das, Santanu Kumar Sahoo, Tripti Swarnkar	CSE	SN Computer Science	2024	2662-995X
562	Exploring bamboo based bio-photovoltaic devices: Pioneering sustainable solar innovations-A comprehensive review	Biswajeet Acharya, Amulyaratna Behera, Bimalendu Chowdhury, Srikanta Moharana, Suresh Sagadevan, Suchismeeta Behera	Pharmacy	Solar Energy	2024	0038-092X

563	Cannabinoids and the male reproductive system: Implications of endocannabinoid signaling pathways	Biswajeet Acharya, Prafulla Kumar Sahu, Amulyaratna Behera, Jack Feehan, Durga Prasad Mishra, Vasso Apostolopoulos	Pharmacy	Maturitas	2024	0378-5122
564	A COMPREHENSIVE STUDY ON THE STRUCTURAL, ELECTRICAL, AND OPTICAL PROPERTIES OF BISMUTH FERRITE	Meena Kumari Sahu, Ananga Uday Naik, R. K. Mohapatra, Santosh Satpathy	Physics	RASĀYA N Journal of Chemistry	2024	0974-1496
565	Development of agrivoltaic insect net house to enhance sustainable energy-food production: A techno-economic assessment	Gaurav Gadhiya, Urvashi Patel, Pushpendrasingh Chauhan, Nimay Chandra Giri, Guang-Zhong Yin, Rohit Khargotra	ECE/CREE	Results in Engineering	2024	2590-1230
566	Characterization of vegetative stage responses in four rice genotypes (<i>Oryza sativa</i> L.) under drought stress: integrating morpho-physiological, biochemical traits and DEG analysis	Madhusmita Barik, Ankita Das, Animesh Pattnaik, Jatindra Nath Mohanty, Mirza Jaynul Baig, & Padmini Swain	Botany	Cereal Research Communications	2024	

567	Impact of drip Irrigation and plastic mulching on yield and economics of cucumber (Cucumis Sativus L.)	Santosh, D.T., Sagar Maitra, Mahesh Vinayak Hadole, K N Tiwari	Agricultural Engineering	Research on Crops	2024	972- 3226
568	Leveraging Transactional Datasets for Customer Segmentation in Banking: A Multifaceted Approach to Enhancing Customer Experience and Operational Efficiency	Dr. Deepali Mayur Gala Susanta Kumar Nayak Kishori Abhijeet Sawardekar	CSE	Indian Journal of Technical Education -UGC CARE	2024	0971- 3034
569	Impact of population size on population genetic analysis of Short Tandem Repeat (STR) allelic data, forensic and paternity parameters and its effect on Forensic DNA analysis	Hirak Ranjan Dash, Rhea Shetkar, Nora Rashid Al-Snan	Forensic Science	Forensic Science Medicine and Pathology	2024	1556- 2891
570	Enhancing Capsicum Cultivation under Polyhouse, Shadenet House and Open Field Condition with Drip fertigation	Santosh, D.T., Mahesh Vinayak Hadole, Sagar Maitra	Agricultural Engineering	International Journal of Experimental Research and review (IJERR)	2024	

571	Traditional Storytelling and Immersive Narratives in the Metaverse	Anushruti Gantayat, Prajna Pani, Swetalina Mishra	English & Management	Journal of Informatics Education and Research	2024	1526-4726
572	UNDERSTANDING THE PROJECTILE BREAKUP MECHANISM USING MONTE CARLO SIMULATION TECHNIQUE	M. Swaina, Prasanta Kumar Ratha,b*, Balaji Padhya, Aditya Kumar Patia, Vaishali R. Patelc, Nirali Gondaliyac, Ami N. Deshmukhc, Ravindra Prajapatic, N.N. Deshmukhc	Physics	EAST EUROPEAN JOURNAL OF PHYSICS	2024	ISSN 2312-4334
573	“MAGNETO HYDRODYNAMIC AND BIO-CONVECTION EFFECTS ON HYBRID NANOFLUID DYNAMICS OVER AN INVERTED ROTATING CONE WITH DIFFERENT BASE FLUIDS”	Balaji Padhy, Goutam Kumar Mahato, P.K. Rath,	Physics	EAST EUROPEAN JOURNAL OF PHYSICS	2024	ISSN 2312-4334

574	Application of reduction methodology for halo, weakly and tightly bound projectiles on tin isotopes		Physics	Eur. Phys. J. A (2024) 60:219 https://doi.org/10.1140/epja/s10050-024-01429-w	2024	2469-9985
575	Transgender and Their Human Rights in India	Dr.Girish Ranjan Sahoo, Swapna Bijayini	Law	Gradiva Review Journal	2024	0363-8057
576	Genetic diversity and phylogenetic status of Punganur cattle based on mtDNA analysis	DEEPTHI CHANDAKA, MURALIDHAR METTA, VINOOR REGULA, SUDHAKAR KAZA, SUDHAKAR KROVVIDI	Livestock Farm Complex	Indian Journal of Animal Sciences	2024	0367-8318
577	Influence of Planting Methods on Growth, Yield and Storage of Onion (<i>Allium cepa</i> L.) var. Bhima Shakti	D. Jeevitha ¹ , Umesh Chimmalagi ¹ , K. Adishesha ² , Goutam B. Hosamani ³ , T.V. Vinay ⁴ , P.R. Dharmatti ⁵	Entomology	Indian Journal of Agricultural Research	2024	0367-8245

578	Review on Leptospirosis in Animals and Associated One Health Concept	M.G.Jayathanagraj, M. Raman, B.V.S.Bhavya Charitha, Chaitanya Gollu, B.Divya Sri	Livestock Farm Complex	Indian Veterinary Journal	2024	0019- 6479
579	Real-Time Soil Nutrient Monitoring Using NPK Sensors: Enhancing Precision Agriculture	Adhikary, R., Choudhury , S. J., & Shankar, T.	Soil Science	Internation al Journal of Experimen tal Research and Review,	2024	2455- 4855
580	AN EFFICIENT CUCCONI BASED FEATURE EXTRACTION WITH RANDOM DECISION FOREST CLASSIFICATION FOR IMPROVED SENTIMENT ANALYSIS	Dr. K.Anuradha; Dr. Banitamani Mallik Dr. M. Vamsi KRISHNA	Mathematics	Yugoslav Journal of Operations Research	2024	0354- 0243
581	Impact of polyploidy on Crop improvement and plant breeding strategies: A Review	Vangapandu Thriveni, Mouli Paul, Chakri Voruganti, Vaadada Vinay Kumar,Jammugani Vinod Kumar,B Sai	Horticulture	Journal of Advances in Biology and Biotechnol ogy	2024	2394- 1081

		Krishna Reddy and Manoj Kumar				
582	A review on biofortification of crops:A nutritional strategy for combating malnutrition	Mouli Paul,Vangapandu Thriveni, M.Niharika, D. K. Upadhyay, Deepika Kiro, Anjali Verma and Soumya Patil	Horticulture	European Journal of Nutrition and food saftey	2024	2347- 5641
583	Nonsense-mediated mRNA decay: Physiological significance, mechanistic insights and future implications	Asish Kumar Patro, Gagan Kumar Panigrahi, Sanjoy Majumder, Rutupurna Das, Annapurna Sahoo	Zoology	Pathology - Research and Practice	2024	0344- 0338
584	A COMPREHENSIVE LITERATURE REVIEW ON SOLID LIPID NANOPARTICLES	ANIL KUMAR V, PRASANTH.D , PADMASRI B , MURALI KRISHNA B , JAGADEESWARI B	Pharmacolog y	Internation al Journal of Biology, Pharmacy and Allied Sciences	2024	ISSN:2 277- 4998
585	Phytochemical and pharmacological overview on Paerida foetida L. and Sphaeranthus amaranthoides Burm.f.: A Review	Anima jena, Nityananda Sahoo*, D.Prasanth & Laxmi kanta Kanthal	Pharmacolog y	PLANT SCIENCE TODAY	2024	2348- 1900

586	PerSceptoMed 1.0: An advanced machine learning model for demographic-based antibiotic susceptibility prediction in Pseudomonas aeruginosa infections	Sweta Padma Routray, Saswati Mahapatra, Debasish Swapnesh Kumar Nayak, Swayamprabha Sahoo, Bhabani Sankar Das, Enketeswar Subudhi, Rajashree Panigrahi, Tripti Swarnkar	CSE	Engineering Applications of Artificial Intelligence	2024	0952-1976
587	Assessing the Effects of Integrated Nutrient Management on Groundnut Root Growth and Post-Harvest Soil Properties in Brown Forest Soil of South Odisha	Jnana Bharati Palai ¹ , Ganesh Chandra Malik ² , Sagar Maitra ^{1*} , Mahua Banerjee ² , Sumit Ray ¹ and Masina Sairam	Agronomy and agroforestry	International Journal of Experimental Research and Review	2024	2455-4855
588	Phytochemical and pharmacological overview on Paerida foetida L. and Sphaeranthus amaranthoides Burm.f.: A Review	Anima jena, Nityananda Sahoo*, D.Prasanth & Laxmi kanta Kanthal	Pharmacology	588	2024	2348-1900
589	MAGNETO HYDRODYNAMIC AND BIO	Balaji Padhy, Archana Senapati, Goutam Kumar	Mathematics	East European	2024	2312-4334

	CONVECTION EFFECTS ON HYBRID NANOFLUID DYNAMICS OVER AN INVERTED ROTATING CONE WITH DIFFERENT BASE FLUIDS	Mahato, and P. K. Rath		Journal of Physics		
590	Thermal Performance of Nanofluid Flow Along an Isothermal Vertical Plate with Velocity, Thermal, and Concentration Slip Boundary Conditions Employing Buongiorno's Revised Non-Homogeneous Model	Sujit Mishra, Aditya Kumar Pati, Ashok Misra, Saroj Kumar Mishra	Mechanical	East European Journal of Physics	2024	2312-4334
591	Computational Analysis of Boerhavia diffusa Plant Extracts Targeting Alpha actinin4 against Focal Segmental Glomerulosclerosis	Bikash Chandra Satapathy, Sibani Sahu, Biswajit Mishra, Satya Narayan Sahu	Biotechnology	Research Journal of Pharmacy and Technology	2024	0974-3618
592	Explicit water-ligand docking, drug-likeness and molecular dynamics	Sibani Sahu, Maheswata Moharana, Anuradha Das,	Biotechnology	Journal of Biomolecular Structure	2024	0739-1102

	simulation analysis to predict the potency of Boerhavia diffusa plant extract against mutant wilms tumor-1 protein responsible for type 4 nephrotic syndrome	Biswajit Mishra & Satya Narayan Sahu		and Dynamics		
593	Role of dsRNA-Based Insecticides in Agriculture: Current Scenario and Future Prospects	Pratyush Kumar Das, Satyabrata Nanda	Biotechnology	Phyton-International Journal of Experimental Botany	2024	0031-9457
594	Optimization of nitrogen split application in sweet corn (Zea mays L. saccharata)	Yasasri L, Majumder S, Shankar T, Paul SK, Ray S.	Agronomy	Plant Science Today	2024	2348-1900
595	Photodynamic Therapy: Advancement in Therapeutic and Cosmetic Application for Targeted Treatment: A Review	Pritipragatika Nayak, Subhashree Sahani, Himansu Bhusan Samal, Goutam Kumar Jena, Rajat Kumar Kar & Snehamayee Mohapatra	Pharmacy	Biomedical Materials & Devices	2024	2731-4812

596	Bibliometric Investigation of Climate Change Literature in Fisheries using Dimensions.AI Database	Avisweta Nandy, Pritam Tripathy, Subal Kumar Ghosh, Dwity Sundar Rout	Fisheries Economics, Extension and Statistics	AGRICULTURAL SCIENCE DIGEST - A Research Journal of Agriculture , Animal and Veterinary Sciences	2024	0253-150X (Print) 0976-0547 (Online)
597	Overexpressing Carbonic Anhydrase Transgenic Rice Plants Maintain the Regular Soil Functions and Microbial Activities of Soil	Manjulata Palei, Ranjan Kumar Sahoo, Madhusmita Pradhan	Biotechnology	Indian Journal of Agricultural Research	2024	0367-8245
598	The Efficacy Of Seed Pre-Treatments on seed vigour index with Exogenous Jasmonic Acid And Salicylic Acid To Mitigate Pathogen -Induced Stress In Mungbean Selected Genotypes In India	Pravallika sree, Desetty JMSNK sriveda, Sunita Mahapatra, Srikanta Das	GPB & SST	Plant Science Today	2024	2348-1900
599	CHEMICAL REACTION, ELECTRIFICATION,	Aditya Kumar Pati*, Madan Mohan Rout, Runu	Mathematics	East European	2024	2312-4334

	BROWNIAN MOTION AND THERMOPHORESIS EFFECTS OF COPPER NANOPARTICLES ON NANOFLUID FLOW WITH SKIN FRICTION, HEAT AND MASS TRANSFER	Sahu, I. Siva Ramakoti, Koustava Kumar Panda, Krushna Chandra Sethi		Journal of Physics		
600	A Comprehensive Genetic Analysis of Mycotoxin-Producing <i>Penicillium expansum</i> Isolated from River Water Using Molecular Profiling, DNA Barcoding, and Secondary Structure Prediction	R. Ravikiran, G. Raghu and B. Praveen*	Plant Pathology	Nature Environment and Pollution Technology	2024	2395-3454
601	Optimizing construction time, cost, and quality: a hybrid AHP-NSGA-III model for enhanced multi-objective decision making	Barada Sethy, Priyanka Gupta, Abhishek Chandra, Krushna Chandra Sethi*, Amir Prasad Behera, Kamal Sharma	Civil Engineering	Asian Journal of Civil Engineering	2024	1563-0854
602	Combining Ability and Heterosis Analysis for Seed Yield and Yield	Archi Gupta, Bijendra Singh, Mukesh Kumar,	GPB & SST	Legume Research-An	2024	0250-5371

	Related Traits in Table Pea [<i>Pisum sativum</i> (L.)var. hortense]	V.R. Sharma, Charupriya Chauhan, Sanghamitra Rout, Satish K. Yadav		International Journal		
603	Onion growth, yield and water productivity as influenced by irrigation levels under drip irrigation and plastic mulch	Santosh, D.T., Sagar Maitra, Masina Sairam, Dinkar J Gaikwad	Agricultural Engineering	Research on Crops	2024	972-3226
604	Resilient and sustainable PD-(1+PI) controller for a smart grid in uncertain environments	Umesh Prasad Rath, Sasmita Padhy, Preeti Ranjan Sahu, Rajendra Kumar Khadanga, B Rajanarayan Prusty & Sidhartha Panda	EEE	Electrical Engineering	2024	1582-4594 (Online)
605	Comprehensive Phytochemical analysis of <i>Momordica charantia</i> ethanol extract: Insights from gas chromatography- mass spectroscopy and In-silico ADMET STUDIES	Sanjib Kumar Mohanty, Yashaswi Nayak, Lopamudra Sahoo	Zoology	Asian Journal of Agriculture	2024	E-ISSN:2580-4537
606	Integrative analysis of maize cultivars:	De Manish K Yadav, Dr	Entomology	Journal of Entomolog	2024	0378-9519

	unveiling leaf angles of maize and mean leaf injury caused by spotted stem borer, <i>Chilo partellus</i> Swinhoe	Deepayan Padhy, Dr V Ramalakshmi, Dr Goutam B Hosamani and Sanju Saha		ical Research		
607	Dynamics of insect vector of chickpea stunt disease	Ritesh Kumar, Gautam Kunal, Manish K. Yadav, Anshu Kumar and Mohammed Naimuddin	Plant Pathology	Journal of Entomological Research	2024	0378-9519
608	Enhanced pulse shaping filters for minimizing interference in GFDM signals for 5G cellular networks	Sairam Vamsi Tadikamalla , Harish Chandra Mohanta , Sudheer Kumar Terlapu, Vamshi Krishna Mandhapati	ECE	International Journal of Informatics and Communication Technology (IJ-ICT)	2024	22528776
609	Local Linear Wavelet Neural Network–Based Unscented Kalman Filter for Vehicle Collision Estimate Warning System and Ensuring Stable Vehicle-to-Infrastructure Communication	Yonas Kebede Lema, Satyasis Mishra , and Demissie J. Gelmecha	ECE	Applied Bionics and Biomechanics,	2024	1176-2322

610	Applications of Fuzzy Soft Digraphs in Several Domains	C.K Honnegowda; Balaji Padhy; Nellore Manoj Kumar ; N. Selva Malar ; Aritra Bandyopadhyay; N .Veerraju ; K . Nandagopal .	Mathematics	Communications on Applied Nonlinear Analysis	2025	10741-33X
611	Effect of bioactive compounds in evaluation of hepatoprotective efficacy of the hydro alcoholic crude extract Sphaeranthus Sphaeranthusamaranthoides amaranthoides(Asteraceae) CCl4-Induced hepatotoxicity in Wistar rats	Anima jena, Nityananda Sahoo, D.Prasanth *	Pharmacy	Notulae Scientia Biologicae	2024	2067-3264
612	Precision genome editing for enhanced resistance against bacterial blight in rice: a comprehensive approach	Salma kayastha, Aradhana Behera, Desetty JMSNK Sri Veda & Pravallika Sree Rayanoothala	Plant Pathology	Cereal Research Communications	2024	0133-3720
613	Studies of Bioaccumulation of Heavy Metals in Fresh	Manamohan Polei, Siba Prasad Parida	Zoology	Scope	2024	1177-5661

	Water Fishes of River Brahmaniat Rengalidam, Angul, Odisha					
614	Improved Sensorless DPC with Constant Switching Frequency for Non-ideal Grid	Abinash Rath, S Gopalakrishna, Monalisa Pattnaik	EEE	IEEE Transactions on Consumer Electronics	2024	0098- 3063
615	Advancements in contemporary pharmacological innovation: Mechanistic insights and emerging trends in drug discovery and development	Sanjoy Majumder, Gagan Kumar Panigrahi	Zoology	Intelligent Pharmacy	2024	0344- 0338
616	Epigenetics, Epigenomics, and Personalized Medicine	Sanjoy Majumder, Rutupurna Das, Annapurna Sahoo, Kunja Bihari Satapathy, Gagan Kumar Panigrahi	Zoology	Gene Expression The Journal of Liver Research	2024	1555- 3884
617	Molecular docking and ADME evaluation of plant-based bioactive molecules targeting nonsense-mediated mRNA decay pathway factors to modulate tumorigenesis	Sanjoy Majumder, Gagan Kumar Panigrahi	Zoology	Plant Science Today	2024	2348- 1900

618	Unveiling the Microbial dynamics: Exploring Seed Cotton Microflora Diversity and its Ramifications on Seed Health	Biswal, K.A., Singh, N.R., Moharana, R.L., Das, S.	Plant Pathology	Current Agricultural Research Journal	2024	Print ISSN: 2347-4688, Online ISSN: 2321-9971
619	Delineating the role of rhizospheric microbes in the amelioration of hexavalent chromium stress in plants	Satyabrata Nanda, Satabdi Tripathy, Pratyush Kumar Das	Phytopharma	Sustainable Chemistry for the Environment	2024	Online ISSN: 2949-8392
620	Perceived constraints faced by the large cardamom growers of East Sikkim district: A case study	Tashi Topgay Bhutia, Deepa Roy, Peddi Naga Harsha Vardhan, Ankur Adhikary	Agricultural Extension Education	Environment Conservation Journal	2024	2278-5124
621	First & corresponding author	EMPPKD1312	Paralakhemundi	Environment and Ecology	2024	0970-0420
622	Impact of Sowing Dates on the Growth and Yield of Rice (<i>Oryza sativa</i> L.) Varieties under Wet Seeded Condition in North-Eastern Ghats Zone of Odisha	Akash Sahoo, Triptesh Mondal*, Rajul Soni, Ashirbachan Mahapatra, Tufleuddin Biswas, Magatapalli Sireesha and Jince Mary M. Joy	Agronomy and Agroforestry	Annals of Agri-Bio Research	2024	0971-9660

623	Improved Shunt Active Filter for Non-ideal Grid Using Model Predictive and Sliding Mode Control	Abinash Rath, Bhanu Pratap Behera, Basant Kumar Sethi	EEE	IEEE Transactions on Consumer Electronics	2024	0098-3063
624	A Novel Modified Gorilla Troops Optimizer Algorithm for Interline Power Flow Controller- Based Damping Controller Design	Rajendra Kumar Khadanga, Deepa Das, Sidhartha Panda, Soumya Ranjan Mahapatrao, Manoj Kumar Kar, Ahmed Al Mansur, Taha Selim Ustun and Akhtar Kalam	EEE	Energy Exploration & Exploitation	2024	2048-4054.
625	PEPCK Gene for Enhanced Photosynthesis and Salinity Stress Tolerance in Rice: A Review	Suchismita Prusty, Ranjan Kumar Sahoo	Biotechnology	Agricultural Reviews	2024	0253-1496
626	Agricultural Solid Waste and its Management: An Overview	Suvangi Rath, Khitish Kumar Sarangi, Jeebanjyoti Behera, Dwity Sundar Rout, Anbukani P.	Agricultural Extension Education	Indian Journal of Economics and Development	2024	2277-5412
627	Efficacy of a Newer Nematicide, Fluopyram against Meloidogyne	Jayanta Kumar Mahalik, Gunkar Nayak, Siddhartha	Agricultural Extension Education	Indian Journal of	2024	0303-6960

	graminicola in Rice Pathosystem	Das, Dwity Sundar Rout, Souptik Karmakar		Nematology		
628	Sex evolution path involved in flowering plant family Cucurbitaceae-AReview	Animesh Pattnaik, Pradip Kumar Prusty, Madhusmita Barik Rukmini Mishra,Jatindra Nath Mohanty*	ZOOLOGY	Plant Science Today	2024	ISSN 2348- 1900
629	Ferromagnetic property in transition metal (Mn, Fe, Ni)-doped SnO2 for spintronic applications: a review of computational and experimental studies	Baral, M., Patnaik, P. Nayak, S.K. Das, D.K	Physics	Physics and Chemistry of Solid State	2024	1729- 4428
630	Electronic and half-metallic behaviour of manganese doped SiC Zigzag nanotubes using density functional theory	Nayak, S.K., Patnaik, P., Das, D.K., Barala, M.	Physics	Chemical Physics Impact		2667- 0224 (Online)
631	Antidiabetic potency of glimepiride and naringin: an in silico and in vitro investigation.	Deepankar Rath, Gurudutta Pattnaik, Biswakanth Kar, Gopal Krishna Padhy, Chandra Sekhar Patro, Pallishree Bhukta	Pharmacy	Journal of Biomolecular Structure and Dynamics	2024	0739- 1102

632	Evaluation of a diesel engine performance and emission using biogas in dual fuel mode	Mechanical Engineering for Society and Industry	Mechanical Engineering	Mechanical Engineering for Society and Industry	2024	2798-5245
633	Antidiabetic potency of flavonoids using a systemic computer aided drug design platform	Deepankar Rath, Gurudutta Pattnaik, Biswakanth Kar, Gopal Krishna Padhy, Chandra Sekhar Patro, Pallishree Bhukta	Pharmacy	International journal of experimental research and review	2024	2455-4855
634	A critical review on zinc oxide nanoparticles: Synthesis, properties and biomedical applications	Suddhasattya Dey , Dibya lochan Mohanty , Noota Divya, Vasudha Bakshi ,Anshuman Mohanty , Deepankar Rath , Sriparni Das , Arijit Mondal, Sourav Roy ,Rajarshee Sabui	Pharmacy	Intelligent Pharmacy	2024	2949-866X
635	JN. 1 and cardiac-related clinical manifestations: a current public health concern	Sangeeta Chhotaray, Pralaya Kumar Sahoo, Suman Kumar Mekap, Soumya Jal * and	Clinical Microbiology	Frontiers in Cardiovascular Medicine-Cardiovasc	2024	2297-055X

		Gurudutta Pattnaik*		ular Epidemiol ogy and Prevention		
636	Preparation of Iron Bonded Tungsten Carbide–Titanium Carbide Composites with Improved Microstructure for Designing Various Harder Components	Ranjan Kumar Moharana, Tapan Dash, Tapan Kumar Rout	Physics	Journal of Materials Engineerin g and Performan ce	2024	1059- 9495
637	Study on the Microstructure and Microhardness Behavior of Reduced Graphene Oxide Reinforced Alumina Nanocomposites	Sunita Dhar, Tapan Dash, Ashok Kumar Sahu, Shubhra Bajpai, Tapan Kumar Rout, Surendra Kumar Biswal	Physics	Journal of Materials Engineerin g and Performan ce	2024	1059- 9496
638	Development of Robust Harder Composites from Tungsten Carbide and Titanium Carbide by Arc Plasma Melt- Cast Method	njan K Moharana, Tapan Dash, Tapan K Rout, Surendra K Biswal	Physics	Iraqi Journal of Applied Physics	2024	1813- 2065
639	Effect of Right to Education Act 2009in the Schools of Odisha	Pallab Das and Girish Ranjan Sahoo	Law	Centurion Journal of Business, Economics	2024	NA

				and Social Sciences		
640	Effect of Different Levels of Nitrogen and Silicon in Rice under Red and Laterite Soil	Sujay Kumar Paul, Ganesh Chandra Malik, Mahua Banerjee and Sitabhra Majumder	Agronomy and Agroforestry	International journal of experimental research and review	2024	2455-4855
641	Reactivity Controlling Influence of Self-Aggregating Amphiphilic Systems: Recent Developments	Sarita Sahu ¹ , Satya Prasad Nanda ¹ , and Ranjan Kumar Padhy* ²	Chemistry	Chemical Science Review & letters	2024	2278-6783
642	Interfacial catalytic influence of sodium lauryl sulphate in the oxidation of cyclic alcohols by Cr(VI)	Sarita Sahu ^a , Ranjan Kumar Padhy ^b , Satya Prasad Nanda ^a	Chemistry	Materials today	2024	0032-3861
643	Molecular docking studies of phytocompounds of <i>Coccinia grandis</i> to inhibit antimicrobial-resistant pathogens of head and neck infection	Smarita Lenka ¹ , Animesh Pattanaik ² , Santosh Kumar Swain ³ , Subrat Kumar Tripathy ¹ , Debasmita Dubey ^{1*}	Botany	IP International Journal of Medical Microbiology and Tropical Diseases	2024	2581-4753
644	Generation mean analysis in quality protein maize (<i>Zea</i>	Vinay Teja K, Krishnam Raju K, Rashmi Reddy K, Anjan Roy,	Genetics and Plant Breeding	Journal of Applied and	2024	0974-9411

	mays L.) for yield and quality attributes	Poulami Sil, Subba Rao M, Vishal Kumar Gupta		Natural Science		
645	Study on genetic diversity and its relation to heterosis in eggplant hybrids for green, high yielding, fruit and shoot borer as well as bacterial wilt tolerant cultivars	Quamruzzaman, M.A.K., Uddin, N., Akter, L., Islam, F. Gaber, A., Sagar Maitra, S., Hossain, A.	Agronomy and Agroforestry	Vegetos	2024	2229-4473
646	Unraveling the advantages of site-specific nutrient management in maize (Zea mays L.) for enhancing the growth and productivity under varied plant populations in the hot and moist sub-humid region of Odisha	Gopala Krishna, T., Sairam, M., Raghava, C.V., Maitra, Sagar	Agronomy and Agroforestry	Plant Science Today	2024	eISSN: 2348-1900
647	Prospects of artificial intelligence for the sustainability of sugarcane production in the modern era of climate change: An overview of related global findings	Bhatt, R., Hossain, A., Majumder, D., Chandra, M, Ghimire, R., Shahzad, M.F., Verma, K.K., Riar, A.S., Rajput, V.D., Oliveira, M.W., Nisi, A., Almalki,	Agronomy and Agroforestry	Journal of Agriculture and Food Research	2024	2666-1543 (Online)

		R.S., Bárek, V., Brestic, M., Maitra, S.				
648	Genetic Divergence Analysis in Some Vegetable Cluster Bean Genotypes	Priti Smita Nayak, Sumit Acharya, Ganiseti Anitha, Subhrajyoti Chatterjee,*	Horticulture	Agriculture Science Digest	2024	0976- 0547 (On line), 0253- 150X (Print)
649	Energetics and Economics of Rabi Maize as Influenced by Smart Nutrient Management Under South Odisha Conditions	Masina Sairam, Sumit Ray, Tanmoy Shankar, Arunabha Pal, Karthika Vishnu Priya and Sagar Maitra*	Agronomy and Agroforestry	Internation al Journal of Experimen tal Research and Review	2024	2455- 4855
650	Influence of location- specific nutrient management and plant stand on the growth, productivity, and nutrient uptake of irrigated rabi maize (Zea mays L.)	TADIBOINA GOPALA KRISHNA, SAGAR MAITRA, RAJESH SHRIRAM KALASARE, SUMIT RAY, ROMAN KUMAR MAHTO AND MASINA SAIRAM*	Agronomy and Agroforestry	Research on Crops	2024	0972- 3226(P rint) 2348- 7542 (Onlin e)

651	Synergistics effects of inorganic and bio fertilizers on growth and performance of summer Groundnut (<i>Arachis hypogea</i> L.) under brown forest soils of Odisha.	Avhani Sahu, Rajesh Shriram Kalasare, Ashirbachan Mahapatra, Masina Sairam, Chabolu Venkata Raghava, Manish Kumar Yadav, Roman Kumar Mahto and Vishal Kumar Gupta	Agronomy and Agroforestry	Annals of Forest Research	2024	18448 135, 20652 445
652	Inside The Gamer's Mind: A Comprehensive Exploration of Online Game addiction on Psychological Wellbeing and The Moderating Effect of Physical Activity	Dr. Bhanupriya Khatri, Dr. Charu Saxena, Dr. Girija Nandini, Dr. Shad Ahmad Khan, Dr. Kamal Alaskar	Management	Journal of Content, Community & Communication	2024	[ISSN: 2395-7514 (Print)] , [ISSN: 2456-9011 (Online)]
653	Properties and eco-cost effectiveness of concrete containing waste blast furnace slag and demolition waste	R K Majhi, Saine S Dash, M Moharana, S Das	Civil Engineering	Earth and Environmental Science, 2024,	2024	1755-1315
654	Unraveling the synergistic effects in ZnO-MoS ₂ nanocomposite leading	Nihar Ranjan Panda, Sangram K. Sahu, Amrita Palai, Tarun Yadav,	Chemistry	Chemical Physics Impact	2024	2667-0224

	to enhanced photocatalytic, antibacterial and dielectric characteristics	Debadhyan Behera, Dojalisa Sahu				
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6.2 List of Patents

Sl. No.	Title of the Patents	Name of the Inventors	Awarding Country	Utility/Innovation/Design	Patent Year	Published/Granted
1	Nanofertilizers A Futuristic Technology Of Nutrient Management In Agriculture	M. Attri, N. Sharma, R. Kumar, V. Bhagat, S. Pooniyan, Chanchal, Nimay Chandra Giri	India	Innovation	2024	Published
2	Smart Farming Machine With Watering And Fertilization Unit	R. Sandhu, M. Attri, R. Kalpesh, S.K. Bangarwa, A. Kumar, A. Kour, S. Tiwari, N. Sharma, Nimay Chandra Giri	India	Innovation	2024	Published
3	Thermal Activator For Internal Combustion Engine	T.N. Verma, U. Rajak, M. Panchal, B.S. Reddy, S.A. Hussain, K.S. Madhuri, S. Das, Nimay Chandra Giri	India	Design	2024	Granted
4	Iot Based Robot To Analysing Farm And Crops	M. Attri, R. Sandhu, S. Sachin, M. Amir, V. Kumar, P. Verma, H. Jyani, Akshit, Nimay Chandra Giri	India	Design	2024	Granted

5	Computer Vision Based Electronic Wearable Glasses Device To Help Blind People	Dr. Harish Chandra Mohanta, Mrs.Vasanthamma Haraginadoni, Dr.Nazeer Shaik, Ms. Balakrishnan Lalithadevi, Dr.Sushma Jaiswal, Mr.Tarun Jaiswal	UK	DESIGN	2024	Granted
6	Robotic Farming Vehicle With Cloud Control	Dr. Durgam Veerabhadra Babu, Mohan Ranga Rao Dontineni, Vandana Ahuja, Dr. Chandra Sekhar Dash, Dr.Nikita Suresh Nille, Dr. Revati Ramrao Rautrao, Govind Prasad Buddha	UK	DESIGN	2024	Granted
7	Smart Fertilizer Management Using Artificial Intelligence	Mr. Soumya Ranjan Jena, Dr. Vartika Kulshrestha, Dr.K Gurnadha Gupta, Dr. Arunabha Pal & Dr. Udit Nandan Mishra	INDIA	Copy Right Patent	2024	Registered
8	Analysis Of How E-Commerce Business Maintain Logistics Unit In India	Dr. K.Selvasundaram, Dr. Anantha Subramanya Iyer K N Dr. Mahalakshmi S Dr. Anithanallasivam Dr. Sunil Kumar Dr. Deepti Mishra Mrs. Monalisa Pattanayak Dr. Lila Simon Dr. Prakash Chandra Swain Dr.R.Nijanthan Ms. M Nithya Mr.J Logeshwaran	INDIA	Innovation	2024	Published

9	Precision Farming Device (Patent)	Mr. Anil Kumar Jonnalagadda, Dr. Vangapandu Thriveni, Prof. N Venugopala Rao, Dr. Korla Harshavardhan, Dr. Parle Kalyan Chakravarthy, Dr. S Bhargav Kiran, Dr. Goutam B Hosamani, Dr. M S V Satyanarayana, Dr. N Jhansirani and Prof. S Eswara Reddy	India	Design	2023	Granted
10	Block-Chain Based Economic Transaction Verification Device	Dr.Arya Kumar, Dr.Sweta Leena Hota, Mrs.Manisha Yagyaseni Champatiray, Miss.Anweseta Panigrahi,Mrs. Sonali Mohapatra	UK	Design	2024	Granted
11	Vibbratory Assised Welding System	P.Govinda Rao,Dr.P.Srinivasa Rao,A.Gopalakrishna	INDIA	INNOVATION	2024	Granted
12	A Solar Tree For Power Generation	Dr. Neeraj Kumar, M.M. Shaikh, Gyanrao Dhote, Rama Prasanna Dalai, R. Tamilamuthan, Dr. Supriya Agarwal	INDIA	Design	2024	Granted
13	A Method For Synthesizing Gold Nanoparticles From Himalayan	CUTM, Abha Manohar K, Jnana Bharati Palai, Guntamukkala Sekhar, Jami Naveen, Sushmita Thokchom	INDIA	INNOVATION	2024	Published

	Poplar (Populus Ciliata)					
14	Optimizing Land Use: Agrivoltaic Systems For Enhanced Productivity And Profitability	Nimay Chandra Giri, RC Mohnaty, S Chakravarty	India	Innovation	2024	Published
15	Seed Quality Analyzer Device	Dr. Sanghamitra Rout, Dr. Aninda Chakraborty, Dr. Abha Manohar K, Dr. Desetty J. M. S. N. K. Sri Veda ,Dr. Jui Ray, Dr. Mutchukota Subba Rao, Dr. Smaranika Mohanta and Ms. Debarati Nandi	India	Design	2024	Granted
16	Precision Farming Device	Mr. Anil Kumar Jonnalagadda, Dr. Vangapandu Thriveni, Prof. N Venugopala Rao, Dr. Korla Harshavardhan, Dr. Parle Kalyan Chakravarthy, Dr. S Bhargav Kiran, Dr. Goutam B Hosamani, Dr. M S V Satyanarayana, Dr. N Jhansirani and Prof. S Eswara Reddy	India	Design	2024	Published
17	Iot And Block Chain Revolutionary Integration In Business And	Parle Kalyan Chakravarthy	India	innovation	2024	Published

	Financial Sector					
18	Precision Farming Device (Copyright)	Mr. J Anil Kumar (Claimant Author) Dr Vangapandu Thriveni Prof N Venugopala Rao Dr Korla Harshavardhan Dr Parle Kalyan Chakravarthy Dr S Bhargav Kiran Dr Goutam B Hosamani Dr M Satyanarayana Dr N Jhansi Rani Prof S Eswara Reddy	India	Design	2024	Granted
19	A Handheld Low-Cost Insulin Pumping Device	Dr. Harish Chandra Mohanta	India	Innovation	2024	Published
20	Ocean Thermal Energy Converter Desalination Apparatus	Manoj Panchal, K.Sudha Madhuri, Syed Altaf Hussain, Bathini Sidda Reddy, V. Chandra Sekhar, K. Thirupathi Reddy, Upendra Rajak, Nimay Chandra Giri, M.D. Alamgir, Rubby Sandhu	India	Design	2024	Grant
21	A Modified Mixed Mode Indirect Solar Dryer With Phase Change	Prakash Kumar Nayak, Rajesh Kondareddy, N. Sivakumaran, Radha Krishnan Kesavan, Deepanka Saikia, Bichitra Nanda Parida	India	Utility	2024	Granted

	Material And Dehumidifier					
22	All In One Tashe Fern Processing Machine	Prakash Kumar Nayak, Pratyush Saikia, Radha Krishnan Kesavan, Tapas Mishra, Deepanka Saikia	India	Design	2024	Granted
23	Ai Based Cyber Secured Stock Market Prediction Computer Device	Sameer Yadav, Mr.Omesh Wadhwani, Dr.Shweta Sharma, Dr.Devadutta Indoria.Dr.Girija Nandini, Dr.Sudha Arogya Mary Chinthamani	UK	Design	2024	Published
24	A Hybrid Solar Dryer For Drying Vegetables And Food Products	Debashree Debadatta Behera, Ramesh Chandra Mohanty, Shiv Sankar Das, Sujata Chakravarty, Ardhendu Mouli Mohanty, Manas Ranjan Padhi	INDIA	Utility	2024	Published
25	Quantum Computing Machine	Dr. Bhairaba Kumar Majhi, Dr. Shantanu Bhattacharyya, Prof. (Dr.) Biplab KumarSarkar, Mr. Pawan Kumar Singh, Prof. (Dr.) Reena Singh	UK	Design	2024	Granted
26	Portable Soil Monitoring Module For Intelligent Irrigation System	Dr. Rahul Adhikary, Dr. Arunabha Pal, Mr. Biswojit Mishra, Ms. Subhashree Subhasmita Paikaray Ms. P.Bhavana,.Mr. Chandan Kumar Panigrahi,	India	Design	2024	Published

27	Soil And Crop Enhancing Robotic Device	Dr. Shantanu Bhattacharyya, Dr. Pratibha Rani Deep, Dr. Bhairaba Kumar Majhi, Venkata Prasad, Miss. Leepsa Nanda, Dr. Jyoti Prakash Rath, Mrs. Namita Panda	UK	Design	2024	Granted
28	Agricultural Machinery To Remove Excess Water From Crop Fields	Dr. Dillip Narayan Sahu, Mrs. Sonia Panigrahi, Dr. Sakshi Chhabra, Dr. Prabhakar Ramesh Bhandari, Dr. Rajesh Bhaskar Survase, Dr. Kumar Rahul, Dr. Kirubanandan Shanmugam, Ms. Reddy Anuradha, Dr. Ambadas Bhaskarrao Pande, Ms. Kurra Mamatha	India	Design	2024	Granted
29	Multistep Reactor For Synthesis Of Organic Compounds	Mr. Vikrant Vijayakumar Nawale, Ms. Shaikh Sana Jeelani, Mr. Jaideep Kumar Singh Yadav, Dr. Sanjeev Kumar, Mrs. Usha Kumari Sah, Mr. Darpan Rajendra Falak, Dr. Krishna Chaithanya Karri, Dr. Rajeswari Saripilli, Dr. Tusar Bajpai, Dr. Dowluru Satya Venkata Gopala Krishna Kaladhar	UK	Design	2024	Published
30	"Warning System For Elephant Intrusion In Forest Fringe Areas"	Abha Manohar K, Sreekumar R, Devika Sanghamitra, Athira James, Arjun Ramachandran, Biplov Chandra Sarkar, Ajishma Somarajan	INDIA	Design	2024	Granted

31	Design And Development Of Digital Fruit And Spices Quality Identification Technology	Arunabha Pal, Rahul Adhikary, Chunchu Suchith Kumar, Pilli Manasa, Tanuj Kumar Mandal, Nayan Kishor Adhikary, Ayon Alipatra, Priyanka Nandi, Priyanka Ghatak Swarbinay Mahanta	INDIA	Innovatin	2024	Publishe d
32	A Method For Synthesizing Gold Nanoparticles From Himalayan Poplar (Populus Ciliata)	Abha Manohar, Jnana Bharti Palai, Guntamukkala Sekhar, Jami Naveen, Sushmita Thokchom	India	Design	2024	Publishe d
33	Artificial Intelligence And Iot Based Smart Home Automation Under Wi-Fi Through Android Apps From Any Smart Phone	Kiranmai M V S V, Nadella Sunil, Dr P V Narendra Kumar, Indwin E. Joel, Dr. Surendra Kumar Yadav, Surendra K. yadav, Rama Prasanna Dalai, Nandhini D, Dr.T.Jayasudha, Dr. Puneet Banga	India	Innovation	2024	Publishe d
34	Smart Robot For Metal Detection	A. Raveendra, Vijay Miditana ,Bala Ganesh Reddy Majji, Meraka Sreerama, Aashish Kumar, Vijay Baandu Aagvan, J. Prem Kumar, Balam Durga Prasad	India	Innovation	2024	Publishe d

35	Solar-Powered Crop Preservation Container	Dr. Suryapal Singh, Dr. Swati Rajabhau Kadam, Ravi Gautam, Rhitisha Sood, Mena Sai Rajeswari Kalyani, Neha Naijo Areekal, Dr. Panchashree Das, Dr. Debashish Hota	India	Design	2024	Published
36	Solar Chimney With Sinusoidal Swirl Fins	Dr. Mukundjee Pandey, Ms. Ipsita Mishra, Mr. Tapas Kumar Panda, Mr. Madhusudan Pandey, Dr. Ardhendu Mouli Mohanty	India	Design	2024	Published
37	Biodegradable Polymer Design	Dr. Shakeel Ahemed Adhoni, Dr Nandita Jena, Ms. Anita Arjun Najan, Dr Rajendra B Kakde, Dr Chandrasekhar D. Khadse, Dr Meenakshi Jaiswal, Ms. Pallabi More, Ms. Devyani Chandrakant Krive, Ms Sanghamitra Satapathy, Ms. Aditi Anil Kushare	India	Design	2024	Accepted
38	Artificial Intelligence Empowered Solar Vehicle	S. Das, T.K. Behera, C. Ray, R. Sahu, P.P. Pradhan, S. Pritichhanda, A. Chatterjee, S. Behera, Nimay Chandra Giri	Indian	Design	2024	Grant
39	Dual Radio Frequency Receiver Cum Solar Panel	Nimay Chandra Giri, Upali Aparajita Dash, Sasmita Pahadsingh, Tejaswini Kar, Manjusha Behera, Tapaswini Pattnaik, Arun Agarwal	India	Design	2024	Grant
40	AI-Based HPTLC For Fingerprinting	Naveen Kumar Tripathi, Anjali Khantal, Biswa Mohan Sahoo,	India	Design	2024	Grant

	Analysis Of Phytochemical Constituents	Kumar Shiva Gubbiyappa, G. P. Choudhary, Vinay Jain				
41	Interactive Language Learning System For English Literature Enthusiasts	Amir Prasad Behera, Prajna Pani, Girish Prasad Rath, Susanta Patnaik, Swapnankita, N Sailaja, Dayshree Kajulima and Sreyashree Deb	India	Utility	2024	Publishe d
42	Smart Glasses For Determining Retina Strain	Sushree Swagatika, Ankita Bandyopadhyay	India	Design	2024	Filled
43	Gaming Console Device With Eye Health Monitoring	Salony sreeya pattnaik, Jayeeta Dandapat	India	Design	2024	Granted
44	Phytoconstituen t Extraction Device	Centurion University of Technology and Management, Biswa Mohan Sahoo	India	Design	2024	Filed
45	Core Cutter For Fruit	Deepanka Saikia, Prakash Kumar Nayak, Radha Krishnan Kesavan, Uma Dash	India	Design	2024	Granted
46	Device For Synthesis Of Transdermal Patches	Dr. Umme Hani, Divyanshi Gupta, Miss. Kirti M. Donga, Princ srajal, Dr.Sanmati kumar Jain, Babita Adhikary ,Dr.	India	Design	2024	Publishe d

		Kaminee Sahu, Anjali Sharma, Pratiksha Ganesh Jaiswal				
47	Seed Quality Analyzer Device	Dr. Sanghamitra Rout, Dr. Aninda Chakraborty, Dr. Abha Manohar K, Dr. Desetty J. M. S. N. K. Sri Veda ,Dr. Jui Ray, Dr. Mutchukota Subba Rao, Dr. Smaranika Mohanta and Ms. Debarati Nandi	India	Design	2024	Granted
48	Bio-Sensor Integrated Physiotherapy Instrument	Dr.Grandhi Sri Kavya,Dr.P.Dattasai,Dr. Soumya Saswati Panigrahi	India	Design	2024	Filed
49	Ai Based Dairy Products Testing Device	Dr. Suvendra kumar jayasingh , Dr priyabrata Sahu, Anupama Sahu, Supriya Lenka, Chitta Ranjan Behera ,Dr Ashu Chaudhary , Dr Akanksha Tripathy, Dr V. Kannam	India	Design	2024	Published
50	Method And Apparatus For Gamified English Language Acquisition Through Literary Anaysis	Dr. Amir Prasad Behera, Dr. M.Heminlal Haokip, Dr. Susanta Kumar Patnaik,Dr. Manasee Mishra, Mrs. Nadiminti Shailaja, Ms. Sreta Patnaik, Dr. Soumya Samanta, Dr. D.Ashalatha	India	Utility	2024	Published
51	AI Based Farm Environment	Dr. Tondamanadu Munireddy, Dr. Suprava Ranjan Laha, Debasish Swapnesh Kumar Nayak, Dr.	UK	Utility	2024	Published

	Monitoring Device	Abhishek Agarwal, Subrat Kumar, Ambarish Gajendra Mohapatra, Anita Mohanty, Dr. Pradeep Devendra Gaikwad, Dr. Sukhwinder Singh Sran				
52	De-Seeder Cum Granulator Processing Machine	Pratyush Saikia, Deepanka Saikia, Rajesh Kondareddy, Prakash Kumar Nayak, Radha Krishnan Kesavan	India	Design	2024	Granted
53	Digital Hot Plate For Monitoring Rodent Activity	Kritika sachan, Vishin Ashish Patil, Alka, Dr. Vinay.P. Tikare, Bharatbhusan Sahu, Dr. Sanmati Kumar Jain, Rahul Nimba Patil, Md Kaish, Shantanu Ranjan, Raghwendra R. Waghmode	India	Design	2024	Filed
54	Pulse Crop Charcol Rot Detector	Dr. Ritesh Kumar, Dr. Nihal R., Dr. R. Pravalliksshree, Dr. Malini B. Sharma, Dr. Niranjana kumar Chaurasiya, Dr. Aditya Pratap, Dr. Ashwini and Centurion University of Technology and Management	India	Design	2024	Published
55	Method And Apparatus For Gamified English Language Acquisition Through	Dr. Amir Prasad Behera, Dr. M.Heminlal Haokip, Dr. Susanta Kumar Patnaik, Dr. Manasee Mishra, Mrs. Nadiminti Shailaja, Ms. Sreta Patnaik, Dr. Soumya Samanta, Dr. D.Ashalatha	India	Utility	2024	Published

	Literary Anaysis					
56	Interactive Language Learning System For English Literature Enthusiasts	Amir Prasad Behera, Prajna Pani, Girish Prasad Rath, Susanta Patnaik, Swapnankita, N Sailaja, Dayshree Kajulima and Sreyashree Deb	India	Utility	2024	Publishe d
57	Deep Reinforcement Learning Framework For Autonomous Navigation In Unstructured Environments	Mr. Sudersan Behera, Mrs. L Swathi, Mr. Gollanapalli V Prasad, Mr. P M Suresh, Mrs. K Lakshmi Kalpana, Mrs. Sanghamitra Panda, Mr. Anbarasu Rajabathar, Dr. Prakash Kumar Sarangi, Mrs. H Shalma	India	Utility	2024	Publishe d
58	Portable Hair Health Analyzer	Centurion University Of Technology & Management (Cutm), Mrs. Aradhana Panigrahi	India	Design	2024	Publishe d
59	Hand Operated Tablet Coating Machine	Dr. Ankita Wal, Dr. Poonam Arora, Jogendra Kumar Yantapalli, Chetan sampatrao Dame, Ranjeetha Ajjahali Ramesh, Prasanth sharma	INDIA	DESIGN	2024	Publishe d
60	Business Marketing Analysis Device	Dr. Basavaraj S Tigadi, Ms Shelly Verma, Dr. Ratidev Samal, Ms Preeti Verma, Dr. Sudip Basu	India	Design	2024	publishe d

61	Smart Iot Based - Aquaculture System For Precision Cultivation Of Microalgae Strains With Sustainability And Efficiency	Dr. Polaki Suman, B. Rabi Prasad, K. Siva Krishna, GVS. Narayana, Ghanistha Prusty, AV Mahesh, K. Sirisha, M. Srinu, Sandhya Rani Das	India	Utility	2024	Published
62	Green House Struture For Year Round Cultivation	Dr. vikas Kumar Singh, Dr. K N Tiwari, Dr. Vijay Kumar Singh, dr. Shivam, Dr. santosh D T., Dr. Vipul Chaudhury, Dr. Manish Kumar, dr. Shashank Verma, dr. paul Arjun Sanjay	India	Design	2024	Granted
63	Herbal Oil Infused Belt For Arthritis Cure	Centurion University of Technology and Management, Sucharita Babu	INDIA N	Innovation	2024	Granted
64	Compact Vegetable Cultivation Device	Centurion University of Technology and Management, Prof. D.N.Rao, Dr. Vangapandu Thriveni, Dr. S.P.Nanda, Prof. N. Venugopal Rao, Prof. Anita Patra, Dr. Mehazabeen, Prof. Chinthamani Panda, Perumalu Bhuvaneswari, Minumula Chandhana and Prof. Eswara Reddy	Indian	Innovation	2024	Granted

65	Fertigation Management Device	Dr. Amit Lohar 2. Pooja Murthy S 3.Dr. Gaurav Kumar Ahirwar 4.Dr. Nilay Kumar 5.Rasika Ashok Sarje 6.Kamei Gaisinmeilu Amit Kumar 8.Sarath Jayakumar 9.Majahar Ali 10.Homa Parween	Indian	Design	2024	Granted
67	Cotton Pathogen Detection Device	Dr. Babli, Dr. Lokesh Gour, Dr. Radheshyam Sharma, Dr. Ashish Kumar, Dr. R. Shiv Ramakrishnan, Dr. Siddhartha Das, Dr. Jai Prakash Rai, Anushka Hemant Bhurke, Dr. Nagaraja Suryadevara	India	Design	2024	Filled
68	Hyperspectral Crop Disease Detector	Dr. Siddhartha Das, Dr. Nassreen Fatima Kacho, Mr. Kumar Avinash Biswal, Dr. Subrata Kumar Kar, Mr. Bikram Pradhan	India	Design	2024	Filled
69	Context-Aware Interactive Grammar Correction System	Dr. Girish Prasad Rath, Ms.Dayashree Kajulima, Dr.Susanta ku Pattnaik, Ms.Trisna Kar, Mr.Arpit Swain	India	Utility	2024	Published
70	Stevia Hydroponic Farming Device	New Properwritership, Centurion University of Technology and Management, Prof. D.N. Rao, Dr. Digvijay Singh, Dr. Anuradha Sinha, Dr. Ashutosh Kumar, Dr. Anchal Kant, Dr. Swapnil and Dr. Vangapandu Thriveni	India	Design	2024	Granted

71	Robotic Water Management Device For Farm	Centurion University of Technology and Management, Prof. D.N. Rao, Prof. Chinthamani Panda, Prof. S.P. Nanda, Prof. N. Venugopala Rao, Prof. Anita Patra, Dr. Alla Devi Vara Prasad, Prof. Dr. Mangesh M Bhosale, Dr. Mehazabeen Dr. Vangapandu Thriveni, Prof. S. Eswara Reddy	India	Design	2024	Granted
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7. Workshop, Seminars and Conference

Different Schools of the University organised a number of seminars, workshops & conferences in-house. The details of these are presented in Table below.

Table 6.2: Details of Seminars, Workshops & Conferences Organised in 2024-2025

Sl. No.	Name of the Workshop/ Seminar/ Conference	Duration (From-Upto)
1	National conference on Future of Arbitration in the Neo Technological Era (SOL)	20 th April 2024
2	Seminar on Emerging Trends on legal studies and practice (SOL)	15 th Feb 2025
3	Application of Regulatory Intelligence in the Field of Pharmaceutical Product Development”	20.05.2024
4	“Seminar on Recent Advances in Drug Design and Development”	09-09-2024
5	Seminar on “Intellectual Property Rights & In-Vitro and In-Vivo Correlation”	31.07.2024
6	“Signal Analysis in Pharmacovigilance”	11.01.2025
7	Seminar on Regulatory Intelligence in Pharma	20.05.2024

8	Seminar on World Doctors Day: "Wings and Stethoscope: Healers of Hope"	01-07-2024
9	3 days Seminars on the Secretaries of PACS under Registrar of Cooperative Society, GOO, India	26th April to 28th April 2024
10	Seminar on “Workshop on Retail, Fashion and Skill Development” by DR. N.V. R Nathan	25 to 27 Nov. 2024
11	Webinar on Socio-Technical Challenges for IOT in Smart City	May 20th, 2024
12	The Role of Artificial Intelligence in Engineering Applications	27th MAY to 1st JUNE 2024
13	2nd International Conference on Signal Processing, Communication, Power, and Embedded Systems, SCOPES-2024	19th to 21st December 2024
14	Artificial Neural Network (ANN), Machine Learning: Training & Applications	12th Aug 2024
15	Cutting-Edge Advancements on Electrical Electronics and Communication Engineering	1st to 5th July 2024
16	5G Technologies and used cases	16 th April 2024
17	IC DESIGN FLOW (RTL-GDS) USING CADENCE TOOL	13 th to 15 th April 2023
18	E-FLAIR 2K23	15th & 16th March 2023
19	WIND ENERGY SYSTEMS	9 th November 2023
20	Seminar on Marketing of Financial Services	07.03.2024
21	Webinar “Adapting New Technologies to Empower English Language Teaching, Learning, and Assessment,”	06.03.2024

22	Seminar Talk on “Use of AI tools for Academic writing”	27.05.2024
23	Seminar Talk on “Wealth Creation through Systematic Investment Plan”	18.06.2024
24	Seminar on "Statistical Data for Decision Making in Business Management"	27.07.2024
25	Faculty Seminar Talk	31.08.2024
26	International Conference on Viksit Bharat: Innovative Business, Agriculture, Technology and Resource Management for Sustainable Growth (ICVBSG-2024)	26.09.2024- 27.09.2024
27	Webinar on "Financial Literacy"	18.10.2024
28	Faculty seminar talk on "Machine Learning and Deep Learning Techniques for Stock Market Analysis"	02.12.2024
29	Panel discussion on the topic "America’s Richest and Poorest States vs G7 Countries".	05.12.2024
30	Webinar on “Strengthening Dairy Quality Assurance Through Food Fraud Prevention” organised by Dept. of Dairy Technology, School of Agricultural and Bio-Engineering, CUTM Paralakhemundi	28-11-2024
31	DST-sponsored Two days National Conference on Global Perspectives of Forensic Science	20, 21- 11- 2024
32	One day National Seminar Advancements in Forensic DNA Profiling techniques	24-01-2025
33	Smart Agriculture	10th January- 15th January
34	Research Publication and Ethics	11-01-2024
35	3 days’ work shop on Basic Molecular Biology techniques	8th-10th April
36	5 days National training program on Research data analysis R programming	22-26th April
37	Workshop on Smart Agriculture Technologies	20-27th May
38	Climate Smart Agriculture: Innovation and Adoption for Sustainability	21-23 Jan 2025
39	A Workshop on “Molecular Docking and Homology Modelling for Enhancing Potential-Ligand Interaction”	27.04.2024

40	AYUSH Sponsored Two Days National conference cum Workshop on	28-06-2024
41	Optometry Vision Therapy Workshop	28-09-2024
42	Seminar on Ayurveda Day Celebration	21-10-2024
43	Seminar on Hepatitis: "Its time for action"	26-07-2024
44	Ayush Sponsored 2 days national conference cum workshop on "Advancements in Animal Handling and generative AI for preclinical studies"	28-06-2024 and 29-06- 2024
45	Workshop on Business Innovation	07-03-2024
46	Machine Learning Application and Use of Generative AI for Research	27.06.2024
47	Tree days' workshop on Quantum Computing Basics and Applications (Workshop)	from 25-07- 2024 to 27- 07-2024
48	Decoding Blockchain: "The Future of Application and Smart Contracts (Workshop)	from 4-10- 2024 to 06- 10-2024
49	One-day Workshop on LINUX APPLICATION, LINUX BASIC COMMANDS AND VI EDITOR(Workshop)	16-08-2024
50	Design and Hosting of a Live Web Application using Java Technology (Workshop)	19-08-2024
51	Workshop Organized For International Nurses Day	12 th May 2024
52	Workshop Organized For World Breastfeeding Week	7 th AUGUST 2024
53	Workshop Organized For The Nutritional Week Observation	6th SEPTEMBER 2024
54	Workshop Organized For National Cancer Awareness Day	7th November 2024
55	Workshop Organized For World Aids Day	1-12-2024
56	Workshop Organized For World Meditation Day	21-12-2024
57	Workshop Organized For Students' Models Presentation	5-1-2025

58	Workshop on Semi-Custom IC Design Using Cadence Tool	09-03-2023 to 11-03-2023
59	Workshop on Full-Custom IC Design Using Cadence Tool	17 th to 19 th March 2023
60	Workshop on FULL-CUSTOM & SEMI-CUSTOM IC DESIGN FLOW USING CADENCE TOOL	14 th to 15 th November 2022
61	Seminar on “IMPACT OF DYNAMIC CAPABILITY ON FIRM PERFORMANCE “	03.04.2024
62	Workshop on “Cogitate: The Art of Critical Thinking"	06.04.2024
63	Workshop on NPTEL for management students	22.07.2024
64	Workshop on “A Series on Sales Beyond Classroom”	07.08.2024
65	Workshop on Professional Etiquette	23.08.2024
66	"Worldview Workshop"	12.12.2024
67	Workshop on Communication Etiquette	13.12.2024
68	Hands on Workshop titled “Practical Applications of Biotechnological Sciences” organised by Dept. of Phytopharmaceutical, School of Agricultural and Bio-Engineering, CUTM Paralakhemundi	1-6 th April, 2024 (5 days)
69	Hands-on Workshop titled - "Biophytomics 2024" organised by Dept. of Phytopharmaceutical, School of Agricultural and Bio-Engineering, CUTM Paralakhemundi	16-23 rd December, 2024 (8 Days)
70	Two Days Hands-on-Workshop for Digital Forensics Tools	16th and 17th Dec 2024

8. Faculty & Staff Development Programmes

The Faculty and Staff are the most important resource of the University. The faculty strength includes 284 in Paralakhemundi campus, 221 in Bhubaneswar campus, 21 in Rayagada campus 37 in Bolangir campus, 6 in Chatrapur Campus and 53 in Balasore Campus. To improve the faculty resource in line with the needs of the internal and external environment, the University recruit's new faculty and staff and upgrades their competencies on a continuous basis. During the year Faculty Development Programmes were organised in-house for enhancing domain knowledge, teaching learning skill and competencies in engaging with community. The details are presented in Table 7.1. Faculty and Staff are sponsored to participate in programs outside the university, in areas that are not covered in-house.

Table 7.1: Details of Faculty Development Programmes Organised in 2024-2025

Sl. No.	Name of the FDP	Date/Duration (From-Upto)
1	Expert Talk on "Secrets of Placement in Clinical Research & Healthcare Industry"	16.03.2024
2	"Advancement in Animal Handling and Generative AI for Pre-clinical Studies"	29-06-2024
3	Work Life Balance Through Emotional Intelligence and APT Stress Management Strategy in Higher Education Institutions	04.10.2024
4	Drug targeting at nervous systems through nano formulations	23.10.2024
5	Zebrafish as an Alternative Model System for Biomedical Research	23.11.2024
6	World Optometry Day	23-03-2024
7	World Radiography Day	08-11-2024
8	Community poly clinic inauguration at CDC	13-08-2024
9	Student orientation program	28-08-2024
10	Female Adolescent self-care and healthy habits	27-07-2024
11	World Health Day	07-04-2024

12	Career Reality in Real Estate	16-03-2024
13	Holistic Development: Nurturing Learning Environment	25.06.2024
14	Publishing Research Papers in High Impact Journals	24.06.2024
15	Writing an Effective Research paper for publication	25.06.2024
16	Research Dynamics	29.06.2024
17	Publication Ethics	26.06.2024
18	Making Research Memorable, Publishable and Impactful: Appreciation and Understanding Data needs	26.06.2024
19	Campus to Industry Transformation	20th July 2024
20	Union Budget Sectoral Analysis Competition 2024	23rd -24th July 2024
21	Entrepreneurial Enigma	5.8.2024
22	Advanced 5G Communication	30th – 31stAug 2024
23	WORLD NATURE CONSERVATION WEEK	4th August 2024
24	Basics of Python Conducted by the Department of ECE & EEE in Association with FOSSEE, IIT Bombay	13th December 2023 to 15th December 2023
25	Career Talk on “48 Laws of Power: Lessons for Management Professionals”	30.03.2024
26	Annual Fest “Manzar 2.0”	08.04.2024 to 09.04.2024
27	Industry talk	22.04.2024
28	FDP on “Research Data Appreciation & Application”	19.06.2024
29	“NEP2020: Understanding the Learners in Higher Education”	08.07.2024
30	Live-streaming event focused on the Union Budget 2024.	23.07.2024
31	Career development workshop titled "Pahandi – A self Journey"	16.07.2024
32	Hisab Nikash: The Union Budget 2024 Analysis Presentation	05.08.2024
33	Entrepreneurial Talk	01.11.2024

34	The Coffee House event	13.11.2024
35	Faculty development Program on “Interventions in Agricultural Engineering For Sustainable Agricultural Production and Processing (IAESAPP)- Hybrid Mode” organised by Dept. of Agricultural Engineering, School of Agricultural and Bio-Engineering, CUTM Paralakhemundi	12-16 th March, 2024 (5 days)
36	Awareness Session on occasion of the international day against drug abuse and illicit traffic (Organised in association with CCCDC)	26-6-2024
37	Popularisation of Science by Dr. Chittaranjan Mishra (Eminent Scientist from NALCO)	24th to 29th June 2024
38	Applications of AI in the Advanced disciplines: Multidisciplinary perspectives by Dr. Manojit Bhattacharya (F.M. University)	24th to 29th June 2024
39	How to find a right journal even if your research may not be of high quality by Dr. R.C. Mohanty	24th to 29th June 2024
40	Importance of Research by Dr. Karunakar Nanda (Director, IOP)	24th to 29th June 2024
41	Application of Biological inspired Algorithm, Machine Learning using MATLAB and AI for Research (Hands on Learning) by Dr. Satyasis Mishra (Dean, SDG, CUTM)	24th to 29th June 2024
42	Indian Knowledge Tradition: Definition, Scope and Nature BY Dr. R. Venkata Raghavan (Asst. Prof., School of Humanities, Social Science and Management, IIT BBSR)	24th to 29th June 2024
43	Application of Biological inspired Algorithm, Machine Learning using MATLAB and AI for Research (Hands on Learning) by Dr. Satyasis Mishra (CUTM)	24th to 29th June 2024
44	Application of Statistics in Applied Sciences by Dr. Sudarshan Padhy (Former Director, Institute of Mathematics and Application, Govt. of Odisha)	24th to 29th June 2024
45	Optimization Techniques by Prof. A. K. Ojha (Visiting Professor, School of Basic Sciences, IIT BBSR)	24th to 29th June 2024

46	How to write a Research Project and Paper by Dr. Bikash Kumar Jena (FRSC, Senior Principal Scientist)	24th to 29th June 2024
47	Nanoscience and Nanotechnology by Prof. Naresh Chandra Mishra (Retd. Professor, Utkal University)	24th to 29th June 2024
48	Justice Delivery System by Advocate Gautam Mukharjee (Organised in association with School of Law)	24th to 29th June 2024
49	Mock Crime Scene by Dr. Arun Kumar Swain	24th to 29th June 2024
50	Principle and need of Forensic Sciences by Dr. Sujata Mohanty	24th to 29th June 2024
51	Bridging the Gap: Alumni Insights on the Transition from Student to Academician by Shreya Dharan	2nd Jan 2025
52	Dr. Chittaranjan Behera (Professor, AIIMS, Delhi)- UMID: 1st DNA database of India	24th Jan 2025
53	Dr. Sanjib Dey (Application Scientist, Thermofisher Scientific, Kolkata)- Application of next generation sequencing in Forensic DNA Analysis	24th Jan 2025
54	Dr. Subashish Sahoo (A.D. SFSL, Rasulgarh, Odisha): Case studies in Forensic DNA Profiling	24th Jan 2025
55	Shri Gayadhar Panda (Retd. District Judge, Odisha): Admissibility of DNA Evidence in Court of Law	24th Jan 2025

8. Recognitions

8.1. Ph.D. Awarded

- *Somani Jethi in Botany "Studies on the folklore claims and evaluation of some selected plants of Gajapati district of Odisha widely used against Diabetes and related health problems"*
- *Nrusimadhri Silpa in Computer Science "A Comprehensive Big Data Analytics Framework to Investigate Web User Behavior with Machine Learning Approach"*

- *Bimalendu Dash in Civil "Development of Fiber Reinforced Concrete Incorporating Recycled Aggregate"*
- *Rashmi Rekha Behera in EEE "Investigation of cascaded multilevel inverter based SAPF for power quality improvement"*
- *Suvendu Kumar Nayak in CSE "Disease Prediction with Drug and Diet Recommendation using Diverse Machine Learning Techniques"*
- *Satyaprakash Naik in SoM "Influence of Online Ratings and Reviews on Pre-Purchase Behavior of Consumers: An Empirical Study for Consumer Durable Products in India"*
- *Sikha Nayak in SoM (English) "Exploring English Language Teachers' Core Competency Needs in Technical Communication Instruction to Engineering Students"*
- *Ranjitabala Mohapatra in Botany "Studies on Medicinal Plant Resources of Balasore District of Odisha and Their Ethnic Uses"*
- *Dinesh Kumar Sharma in Pharmacy "Formulation, development, and characterization of poorly soluble novel materials for type II diabetes"*
- *Sudhanshu Shekhar Samantaray in Mathematics "Thermal analysis of mono and hybrid nanofluids"*
- *Ananga Udaya Naik in Physics "Synthesis and characterization of rare earth doped CoFe_2O_4 "*
- *Lopamudra Samantaray in Zoology "The Effectiveness of Phytobiotic Additives in Diet of Vanaraja"*
- *Priyashree Chandini Pattnaik in Mathematics "Theoretical investigation on the thermal enhancement of nanofluids"*
- *Sagarika Mishra in Zoology "Studies on Fish Diversity and Haematology of Fishes, Pradhanpat Waterfall, Deogarh, Odisha"*
- *Lekshmi Priya P.S. in Physics "Structural, Dielectric and Ferroelectric Properties of P(VDF-TrFE)-ceramic Composite for Energy Storage Applications"*
- *Priyambada Mallick in Physics "Synthesis and Characterization of Rare earth metals doped Perovskite Materials for Energy Storage Applications"*

- *Biswajeet Acharya in Pharmacy "Ethnobotanical Exploration of Teratogenic Effects of Selected Plants in Kalahandi, Western Odisha, and Subsequent In-silico and In-vivo Studies"*
- *Laxmidhar Sahoo in Pharmacy "Design, Development and evaluation of Transdermal patch loaded nanostructured lipid carrier containing selected drugs for bioavailability enhancement"*
- *Bichitrananda Tripathy in Pharmacy "Pharmacognostical and Pharmacological Evaluation of Some Traditional Plants with Anti-Diabetic Activity"*
- *Yashwant Giri in Pharmacy "Design and development of novel drug delivery system for the topical treatment of onychomycosis"*
- *Sasmita Dash in Pharmacy "Synergistic activity of Annona squamosa leaf extract and Oleanolic acid in diabetes with anti-inflammatory markers"*
- *Ladi Alik Kumar in Pharmacy "Development, Characterization, and Optimization of Surface Engineered Gemcitabine Loaded PLGA Nanoparticle Targeting to Brain Tumor"*
- *Deepankar Rath in Pharmacy "Synergistic Effect of Naringin and Glimepiride in Streptozotocin-induced Diabetic Rats"*
- *Gnyana Ranjan Parida in Pharmacy "Formulation, Optimization and Characterization of Sorafenib Loaded PLGA Nanoparticle against Liver Carcinoma"*
- *Haragouri Mishra in Pharmacy "Development of Cefuroxime Axetil Nanosuspension and Evaluation of Pharmacokinetics Parameters using RP-HPLC"*
- *Sairam Masina in Agronomy "Influence of precision nutrient management on growth, productivity and nutrient use efficiency of rabi maize (Zea mays L.) under south Odisha conditions"*
- *Deepayan Padhy in Entomology "Pollinators diversity and performance of Apis cerana indica Fab. in sunflower (Helianthus annuus L.) ecosystem in Gajapati district of Odisha"*
- *Lalichetti Sagar in Agronomy "Impact of precision nutrient management on growth and productivity of boro rice"*

- *Mandapati Roja in Agronomy "Remote sensing leaf area index (LAI) data assimilation with crop model for yield predictions in rice"*
- *V Ramalakshmi in Entomology "Biology and management of Lesser grain borer, *Rhyzopertha dominica* (Fabricius) (Coleoptera: Bostrichidae)"*
- *Debjani Tripathy in Chemistry "Investigations on Dielectric and Electrical Properties of Ceramic-Based Polymer Composites for Energy Storage Applications"*
- *Kalee Prasanna Pattanayak in Management "A Study on Cashewnut Production, Marketing and Consumer Behaviour in South Odisha"*
- *Bharat Kumar Padhi in CSE "Design and Performance Optimization of Credit Card Fraud Detection Systems Using Machine Learning and Swarm Optimization Techniques"*
- *Ankita Subhrasmita Gadtya in Chemistry "Synthesis and Characterisation of High Dielectric Constant Polymer-Based Nanocomposites for Electronic Application"*
- *Smitanjali Rout in EEE "Efficient Power Train Design for Electric Vehicle by Optimizing Battery Management System"*
- *Raj Kumar Pattanaik in Mathematics "Advanced Metaheuristic Algorithm Based Deep Learning Models for Breast Cancer Detection and Classification"*
- *Swarna Prabha Jena in ECE "An Efficient Sustainable Farming in Agriculture 4.0 Era: Remote Monitoring and Controlling with Leaf Disease Identification Perspective"*
- *Anjan Kumar Sahoo in EEE "Advanced LSTM-ELM based Artificial Intelligence Technique for Fault Detection, Classification and Localization in Modern Electrical Power System"*
- *Mr. Suvashisa Dash in Mathematics "Brain Tumor Classification and Detection from MRI images using FCM-Based Segmentation and Machine Learning Models"*
- *Surajit Maity in Pharmacy "Studies on Phytochemical Analysis and Hepatoprotective Activity of Hydroalcoholic Extract of *Gyrocarpus asiaticus* Willd and *Lactuca runcinata* DC"*

- *Jyoshna Rani Dash in Pharmacy "Efficacy of Catechin as Add-On Therapy to Metformin for the Management of Type 2 Diabetes Mellitus"*
- *Kamini Sethy in Pharmacy "Analytical Method Development and Validation of Some Selected Drugs in Bulk Drug and Marketed Formulation"*
- *Tapan Kumar Sahu in Pharmacy "Pharmacognostical and Phytochemical Investigation of Indigenous Plants of Ganjam District"*
- *Amiya Kumar Sahoo in Management "The Role of Common Service Center in e-Governance: Study of Rayagada District, Odisha"*
- *Suchismita Prusty in Biotechnology "Genetic Transformation of Rice Overexpressing Phosphoenolpyruvate Carboxykinase to Increase Photosynthetic Efficiency and Confer Tolerance to Salt Stress"*
- *Jayakrishna Behera in Management "Role of Social Capital in Disaster Risk Reduction and Building Resilience: A Special Reference to Puri, State of Odisha"*
- *Pavan Kumar Matham in Management "Optimising Crop Production in Upland Villages: A System Dynamics Study"*

10. Achievements:

- ❖ *Centurion University of Technology and Management received Certificate of Accreditation from National Assessment and Accreditation Council (NAAC) with A+ grade valid for Five Years from 12.08.2023 to 11.08.2028.*
- ❖ *MS Swaminathan School of Agriculture has received 2nd Cycle ICAR Accreditation for its B.Sc. (Hons)Ag programme along with M.Sc. (Ag) Agronomy, M.Sc. (Ag) Genetics and Plant Breeding, M.Sc. (Ag) Extension Education and M.Sc. (Ag) Vegetable Sciences.*
- ❖ *School of Fisheries is now ICAR Accredited for B.Sc. Fisheries.*
- ❖ *Commitment to Global and National Policies*
 - *Aligns with United Nations Sustainable Development Goals 2030 and National Education Policy 2020.*
- ❖ *Times Higher Education (THE) Social Impact Rankings*

- *3rd in India for No Poverty (SDG 1), globally 94th.*
- *2nd in India for Zero Hunger (SDG 2), globally 35th.*
- *9th in India for Industry Innovation and Infrastructure (SDG 9).*
- *2nd in India for Life Below Water (SDG 14), globally 88th.*
- *8th in India for Life on Land (SDG 15).*
- *3rd in India for Partnership for the Goals (SDG 17).*

❖ *International Skills Recognition*

- *Two students, Disha Darshini and Ajay Sethi, represented India at the World Skills Competitions in France in Health & Social Care and CNC Turning.*

❖ *Diverse and Inclusive Education*

- *Operates six campuses across Odisha, focusing on tribal, underprivileged, and rural areas.*
- *Attracts international students and has hosted four batches of Indigenous Australian students.*

❖ *Social Outreach and Entrepreneurship - Gram Tarang*

- *Trains economically weak and tribal students.*
- *Specializes in drones, oleoresin extraction, and financial inclusion.*
- *Focus on future skills like Dassault tools, AWS, Unity, speed breeding, and tissue culture.*

❖ *Research and Innovation*

- *22 research centers, 11 Centers of Excellence, and 30 Live Labs.*
- *Faculty published 685 articles, 159 books/book chapters, and 69 conference proceedings.*

- *111+ patents and copyrights.*
- *Centre for Innovation and Entrepreneurship supported 64 incubated companies and 26 startups on the MSME platform.*

❖ *Academic Programs*

- *Offers 84 Certificate, 26 Advanced Certificate, 30 Diploma, 36 Undergraduate, and 24 Postgraduate & Doctoral programs.*
- *13,161 students enrolled (as of November 2024).*

❖ *Infrastructure and Industry Collaboration*

- *Food Testing Laboratory (FTL) at Paralakhemundi campus.*
- *Vanilla Dome designed with Australian industry partner for export production.*
- *Remote Pilot Training (RPTO) completed 150+ drone pilot certifications.*
- *Genetic Engineering and Genomics Lab established for gene editing and sequencing.*

❖ *Community Engagement and Smart Solutions*

- *IoT-enabled projects in Nandankanan Zoological Park, including smart dustbins, food dispensers, and water sprinklers.*
- *Biodiversity sustainability initiatives such as Pollinators Paradise and flora/fauna surveys.*

❖ *School of Management - Global and Industry Training*

- *PG Diploma in Financial Management for Odisha Finance Service (OFS) probationers.*
- *Training for Banking, Finance, and Insurance Nepal (BFIN).*
- *International exchange programs with Australian universities.*

❖ *Social Responsibility and Healthcare Initiatives*

- *Scholarships for underprivileged students.*
- *Healthcare on Wheels project with LTI Mindtree for remote areas.*
- *Eye screening and free prescription glasses for 14,000+ people in collaboration with Essilor.*
- *Satellite Telemedicine Consultation with GAIL across all campuses.*

❖ *Skill Development and Employment*

- *J C Kumarappa Rural Technology Park in partnership with Kouzina Kitchen to train 500 school dropouts.*
- *102 active MoUs with organizations for student training and placement.*

❖ *Agriculture and Rural Development*

- *Krishi Mela in collaboration with Krishi Jagaran, attended by 5000+ farmers.*
- *Rural Haats and farmers' training programs to promote self-reliance.*
- *10 alumni of Agricultural Engineering cleared OPSC exam.*

❖ *Student Engagement and Social Awareness*

- *Social awareness campaigns: street plays, flash mobs, community visits.*
- *Four mega blood donation drives with 630 donors.*
- *Observed World Radiology Day, World Fisheries Day, Engineers' Day, GIS Day, Vigilance Awareness Week, etc.*

❖ *Convocation and Student Achievements (12th Convocation)*

- *2714 graduates including 37 PhDs, 731 postgraduates, 1409 undergraduates, and 537 diploma holders.*
- *48 merit certificates, 18 gold medals, and Pro-Vost Research Awards.*

- *New Peter Renwick Gold Medal for the best Management graduate.*

❖ *Women Empowerment and Gender Equality*

- *29% female graduates, but 93% pass rate (vs. 82% for males).*
- *63% of gold medallists are women.*
- *51% of discipline toppers are women.*

❖ *Placements and Higher Studies*

- *190 companies offered 2007 job offers, including 1334 unique placements.*
- *10 Agricultural Engineering alumni cleared OPSC exams.*
- *98 students selected for higher studies through ICAR JRF.*

❖ *Technological Innovation and Hackathons*

- *Hosted AICTE-sponsored Hackathon with 25 teams.*
- *Showcases projects on AR/VR, IoT, multispectral imaging, VLSI, renewable energy, EVs, and BIM technology.*

❖ *Commitment to Sustainability and Inclusion*

- *Continues to work towards equity, sustainability, and innovation.*
- *Encourages students to give back to society, especially the underprivileged and women*

Others

- *Dr Shiva Shanker has received a project from Indian Council of Social Science Research entitled Efficiency of Solar Energy in the Socio-Economic Development of Tribal Farmers Household in Odisha.*
- *Dr Saurav Barman has been granted a DBT Project Entitled “Promoting On & Off-season Organic Dragon fruit cultivation, Processing & Marketing for Sustainable Livelihood of Small and Marginal Families of SC community”.*

- *Dr Kartik Pramanik received 2 projects namely, Implementation of Drone technology for geofencing and spraying of nan-fertilizers in the farmers field in Gajapati district of Odisha, and Implementation of Implementation of Drone technology for geofencing and spraying of nan-fertilizers in the farmers field in Ganjam district of Odisha.*

Centurion University remains committed to transforming challenges into opportunities through innovation, skill development, and social responsibility.

11. Collaborations & Networking

In 2024, the University signed **30 new MoUs**, bringing the total to **103** with both domestic and international institutions. The details are provided below in Table 9.1. Additionally, our partnerships with existing collaborators have been further strengthened and expanded. The MoUs presented for ratification by the Board are as follows:

Table 9.1: Details of Collaboration

Sl. No.	Partner Institution	Scope (Areas of Work & Potential Benefits)
1	NIIS Institute of Business Administration (NIBA) (NISS)	Collaboration in business administration education, capacity building for management programs, and fostering industry-academic ties.
2	Prerogative, Chandigarh	Partnering for advanced research in business technology and entrepreneurship, facilitating exposure for students and faculty.
3	Centre for Youth and Social Development, BBSR	Engagement in youth and social development initiatives, focusing on community empowerment and skill training for students.

4	Swain & Sons Power Tech Pvt. Ltd (SSPTL)	Collaboration on renewable energy projects, power tech solutions, and practical training for students in energy management.
5	Rastriya Banijya Bank Ltd (RBBL), Kathmandu, Nepal	Opportunities for financial services, internships, and enhancing banking knowledge for students with a focus on cross-border collaboration.
6	Horticulture Research Station & MSSSoA	Research on sustainable agriculture and horticulture, enabling students to engage in practical, field-based learning experiences.
7	Daffodil International University, Bangladesh	Academic exchanges, joint research projects, and expanding global networking for students and faculty in various fields.
8	International National Online University, USA	Distance learning, online course collaboration, and cross-national programs to enrich education delivery and resource sharing.
9	Daffodil University, Bangladesh	Strengthening international partnerships through research collaboration and sharing of academic resources, with student exchange possibilities.
10	Sarala Birla University, Ranchi, Jharkhand	Joint research initiatives in engineering and technology, sharing faculty expertise, and promoting interdisciplinary studies.
11	India Private Limited (“ETS India”)	Skill development in the education sector, leveraging technologies for better learning outcomes and assessment systems.

12	Swasthya Swaraj Society, Bhawanipatna	Promoting health awareness programs and providing community-based healthcare services, enhancing social responsibility efforts.
13	Pendrani Krushak Producer Company Ltd	Enhancing agricultural practices through research, training, and sustainable farming techniques, boosting rural development.
14	The Neotia University, West Bengal	Collaborative research in technology and management, creating opportunities for joint programs and faculty development.
15	Coding Blocks Pvt. Ltd.	Advancing coding education and student skills in software development, providing hands-on experience with coding competitions and workshops.
16	Fibroheal Woundcare Private Ltd	Collaboration in healthcare research and wound care technology, enabling practical learning and innovations in medical technologies.
17	CrewSphere: ICP Hub India & CUTM AP & Odisha Campus	Joint industry-academic projects, skill development in technology and engineering, and fostering entrepreneurship through innovation hubs.
18	Cyberdojo Alliance (Shraddha Nextgen Solutions Pvt. Ltd.)	Partnering for cybersecurity education, workshops, and competitions, boosting expertise in data protection and IT solutions.
19	Upgrad Education Pvt. Ltd, Mumbai	Professional development programs, industry-specific certifications, and collaboration for online courses, enhancing student employability.

20	Kalinga Hospital Ltd	Healthcare partnerships focusing on medical training, research opportunities, and internship placements for students in health sciences.
21	Pharmodia FZC-LLC, UAE	Collaboration in pharmaceutical research, drug development, and internship opportunities for students in the healthcare industry.
22	Monash University, Victoria, Australia	Academic exchange, joint research projects, and facilitating study abroad opportunities for students, enhancing global exposure.
23	Indian National Trust for Art & Cultural Heritage (INTACH)	Preserving cultural heritage through collaborative research, fieldwork, and providing students with practical learning experiences.
24	Composite Regional Centre for Skill Development, Rehabilitation, Bolangir	Promoting disability inclusion, skill development programs for students, and research in rehabilitation technologies.
25	Rungta College of Dental Science & Research (RCDSR), Bhilai	Collaboration in dental research, student exchanges, and clinical training for students in the healthcare sector.
26	Kalinga Institute of Health Sciences	Academic collaboration in health sciences, research, and offering healthcare training, facilitating enhanced student placement opportunities.
27	Bioenzyme Entrepreneurs Academy	Partnering for sustainable agriculture and bioenzyme research, helping students gain practical knowledge in environmental solutions.

28	LEO Global Overseas Educational Consultancy	Facilitating international student placements, counseling, and educational exchange programs across global institutions.
29	Western Sydney University, Australia	Academic exchange, joint research projects, and collaboration in SDG-related research to promote global networking and knowledge sharing.
30	The Republic of Zimbabwe	Collaborating on international development programs, student internships, and global outreach initiatives, enhancing cultural exchange.

12. Events

12.1 CSR Activities

In 2024, Centurion University organized a variety of events focused on culture, sports, and socially responsible activities.

12.1.1 Cultural Activities:

- Publication of the CUTM student newsletter, Magazine Chandrabhaga, wall magazine, and annual magazine.
- Organizing and participating in dance, music, and drama events.

- Creating artistic works (e.g., murals) for the beautification of the CUTM campus.
- Participation in events organized by the cultural clubs at the university.
- Engaging in creative activities such as painting and photography, among others.



These initiatives



reflect the University's commitment to





- Engineers' Day was celebrated at Centurion University, Bhubaneswar and Paralakhemundi Campus on September 15, 2024.
- A Campus Cleaning Drive was conducted at Centurion University, Bhubaneswar Campus under the theme "National Pollution Control Day" on December 2, 2024. Around 20 students voluntarily participated.
- The Homecoming Alumni Meet 2024, marking 27 years of celebration, was organized at Paralakhemundi Campus on December 24-25, 2024.

- A Cyber Safety Awareness Campaign, in collaboration with Gajapati Police, was held at Paralakhemundi Campus in October 2024.
- Centurion University, across all campuses, celebrated India's 78th Independence Day on August 15, 2024.
- National Youth Day and a special screening of the 28th National Youth Festival inaugural ceremony was held at Bhubaneswar Campus on January 12, 2025.
- World Pharmacist Day was observed at Bhubaneswar Campus on September 25, 2024.
- National Cancer Awareness Day observed at Paralakhemundi Campus on 7th November 2024.
- The Yoga & Meditation Society (Centurion Yoga Club) organized expert sessions on "Advanced Asana & Meditation" and "Yoga for Hormonal Imbalance" on September 11-12, 2024.

12.1.2 Sports Activities:

In 2024, Centurion University promoted physical fitness and well-being through a range of sports and recreational activities:

- Individual and team sports competitions (athletics, badminton, tennis, football, basketball, volleyball, cricket).
- Sports expeditions and adventure activities (trekking, rock climbing, cycling tours, nature hikes).
- Health Club and Yoga Club activities (yoga sessions, fitness training programs).
- Adventurous activities (water sports, zorbing, obstacle courses).
- Annual college marathon (various distances, community participation).
- Inter-collegiate sports events (regional and national tournaments).



- Sports Day celebrations

(athletic track events, field games, team competitions).

- Faculty vs. student sports competitions

(friendly matches in football,

cricket, volleyball).

- Sports training camps and workshops (skill development, injury prevention, mental conditioning).

- Fitness challenges and competitions (strength, endurance, agility tasks).



- The 28th National Youth Festival (NYF) was screened at Centurion University on January 12, 2025, in collaboration with the Ministry of Youth Affairs & Sports, Government of India.
- Centurion University participated in the All Odisha Inter University Sports Championship, organized by Ravenshaw University from February 6-14, 2025.
- The CENTURION CUP 2K25, hosted by CUTM Bhubaneswar Campus Sports Council and Department of Sports, took place from January 22-28, 2025. Around 750 participants from 30 universities and 10 educational institutions competed in basketball, volleyball, cricket, kabaddi, and badminton.
- The Inter University Sports Meet 2024-25 (Cricket - Men) for CUTM Andhra Pradesh and Odisha was conducted from January 4-6, 2025, at Paralakhemundi Campus.
- The 3rd Intra-University Sports Meet 2024-25 was held from January 30 to February 1, 2025, at Paralakhemundi Campus, featuring athletics, table tennis, chess, lawn tennis, long jump, badminton, basketball, football, volleyball, kabaddi, kho-kho, relay, and cricket, with 402 participants.
- Saloni Kumari won a medal in Lawn Tennis (Women's Singles) at the State-Level SoA Sports Meet 2024, organized by SoA University, Bhubaneswar, in March 2024.
- The Centurion Cup 2024, an annual Odisha State Championship for Australian Rules Football, was held on November 8-9, 2024, at CUTM Bhubaneswar Campus, featuring 200+ participants from six districts. Mayurbhanj, Khorda, and Keonjhar teams emerged as champions.
- The 35th East Zone Junior Athletics Championship 2024 took place from October 7-9, 2024, at Kalinga Stadium, Bhubaneswar, with 600+ athletes from eastern states. Odisha secured second place, while West Bengal won the championship.
- The State-Level Inter University Athletic Competitions 2024 were held from February 15-19, 2024, at Biju Patnaik Sports Complex and Kalinga Stadium, Bhubaneswar, featuring 1,000+ participants from 38 universities, competing in various track and field events.

12.1.3 Socially Responsible Activities at CUTM Odisha in 2024:

1. Activities benefiting the community or environment.

2. Plantation drives inside and outside CUTM campuses.



3. Visits to hospitals or orphanages to assist and offer support.

4. Blood donation camps organized for students and staff.

5. Health check-up camps for students, staff, and local community members.

6. Environmental awareness campaigns to reduce pollution.

7. Educational camps focused on population control and awareness.

8. Organizing disaster service camps to aid in crisis management.

9. Conducting socio-economic surveys to identify community needs.



10. Emergency relief measures for victims of natural disasters.

11. Promoting a sense of integration and friendliness among students.

12. Volunteering with local NGOs or initiating independent social/environmental projects.

13. Youth Red Cross activities and support for health and social welfare.

14. Fundraising activities for various social and environmental projects.



- Centurion University, Paralakhemundi Campus, celebrated Utkal Divas on April 1, 2024.
- Teachers' Day 2024 was celebrated at Bhubaneswar Campus on September 5, 2024, in Hall No. 6, Aryabhatta Building.
- A Mega Blood Donation Camp, organized by Central Red Cross Blood Bank, Cuttack, was held on September 30, 2024, at Bhubaneswar Campus.
- The Gandhi & Shastri Jayanti and International Day of Non-Violence were observed across all campuses on October 2, 2024.
- An Eye Check-up Camp, in coordination with the School of Paramedics & Allied Health Science, was organized at Paralakhemundi Campus on September 4, 2024.
- The Centurion University Veterinary Clinical Complex conducted animal health camps at Bhagusala, Ranadevi, Tamparkaitha, Hadubangi, and other locations from April 2024 to February 2025.
- Students of Bhubaneswar Campus visited Aama Ghara Orphanage, Tamando, Bhubaneswar, on November 14, 2024, for Children's Day Celebration, interacting with 30 children.
- 32 NSS Volunteers from Paralakhemundi Campus participated in a Mega Cleanliness Drive at Mahendragiri Hills on June 4, 2024, in collaboration with the Odisha Department of Forestry.
- NCC Cadet Sanjana (Paralakhemundi Campus) was selected for the Thal Sainik Camp held in Bhubaneswar after completing three training camps in Rayagada, Odisha.
- NCC Cadet Sutapat Dey (Paralakhemundi Campus) was selected for the Pre-RDC Camp in Bhubaneswar after completing three rounds in Rayagada.
- Three NCC Senior Division cadets from Paralakhemundi Campus completed the National Army Attachment Camp in Ranchi, Jharkhand (February 2025) and won the Best Presentation Award in the NIAP Presentation.

- Eight NCC Senior Division cadets (four from Kohima and Shillong, four from Jorhat, Assam) participated in National Camps (January-February 2025).
- 49 NCC cadets from Paralakhemundi Campus completed the Annual Training Camp (August 21-30, 2024) at SMIT Ankushpur, Berhampur, under 1(O) CTC NCC, Berhampur.
- The Fish Farmers Training Program was conducted by the School of Fisheries, CUTM Odisha, in 2024, focusing on scientific fish farming, advanced aquaculture techniques, and post-harvest technologies. The program also included sessions on value-added fish products and sustainable fisheries practices.
- The Kisan Mela 2024, organized by CUTM Odisha, served as an outreach initiative to educate farmers on innovative agricultural techniques, organic farming, and climate-resilient practices. Experts from agriculture and allied sectors provided hands-on demonstrations and interactive sessions.
- The OLEM Farmers Training on Mushroom Cultivation was conducted by the School of Agriculture, CUTM Odisha, in 2024, covering mushroom species identification, cultivation of paddy straw and oyster mushrooms, disease management, harvesting, and post-harvest processing. The training aimed to equip farmers with skills for self-employment and income generation through mushroom farming.

❖ Distinguished Visitors

There were several distinguished persons who visited the University during the year, the same are presented in Table below.

Table 11.1: Distinguished visitors

Sl. No	Date of Visit	Name of Visitors	From	Purpose
1	13.03.2024	Ms. Shakilla Bibi Jhungeer	SBM Bank (Mauritius) Ltd.	University Visit
2	18.03.2024	Lt. Cdr Ragav Sharma	New Delhi	University Visit
3	10.05.2024	Dr. Lr Yadav	Alard University, Pune	University Visit
4	12.06.2024	Dr. Siba Prasad Sahoo	Nageswar Tangi, Bhubaneswar	University Visit
5	24.06.2024	A Group Of Teachers, Daffodil International University	Dhaka, Bangladesh	University Visit
6	27.06.2024	Dr. M. Muralidharan	Hpcl, Bengaluru	University Visit
7	18.07.2024	Mr. Nick Crothers	Australia	University Visit
8	20.07.2024	Puneet Rathsharma	Bhubaneswar	University Visit
9	25.07.2024	Mr. Y. Suresh Reddy	SRF Foundation, Gurugram, Haryana	University Visit
10	02.08.2024	Dr. Praveen Bharti	ICMR-NIMR, New Delhi	University Visit
11	05.08.2024	Mr. Mathew Johnston	Australian High Commission	University Visit
12	05.08.2024	Ms. Vandana Sharma	Piramal Foundation	Collaboration
13	22.08.2024	Mr. Bikash Kejariwal	Bengaluru	University Visit
14	27.08.20024	Dr. Maneesh Mishra	Piramal Foundation	Collaboration

15	18.10.2024	Dr. Chad Gauci & Dr. Sunil Babu	Piramal Foundation	Collaboration
16	13.11.2024	Ms. Harmeet Sehra	Vedanta Ltd.	Collaboration
17	20.11.2024	Mr. SUBHASH CHANDRA JENA	PM SHRI KV CHILKA INS	University Visit
18	22.11.2024	Mr. Dinesh Natarajan	Welkinrim Technologies, Tamil Nadu	University Visit
19	24.11.2024	Mr. Amitabh Sharma	New Delhi	University Visit
20	25.11.2024	Prof. Shyam Sundar Pattnaik	Odisha State Open University, Sambalpur	University Visit
21	03.12.2024	Mr. Partha Sen	Australian Trade And Investment Commission	University Visit
22	04.12.2024	Mr. Satyajit Senapati	Mumbai	University Visit
23	04.12.2024	Mr. Jitendra Kumar Gupta & Dr. L. N. Agarwal Hemraj	Bhubaneswar Textile & Garment Merchants' Association	University Visit
24	16.12.2024	Mr. N. K. Ratha	IEEE, Bhubaneswar	University Visit
25	20.12.2024	Ms. Samita Sahoo	RSP, Rourkela	Collaboration
26	27.12.2024	Dr. Subhadarsini Parida	University of South Australia	University Visit
27	27.12.2024	Mr. Ranjan Kumar Rout	IDBI Bank, Khordha	University Visit
28	06.01.2025	Ms. Shruti Johri	New Delhi	University Visit
29	06.01.2025	Dr. Sampada Sethia	Bhubaneswar	University Visit
30	09.01.2025	Prof. Mohan Yellishetty	Monash University, Australia	University Visit

31	18.01.2025	Dr. Sandhya Gupta	IMS & SUM Hospital, Bhubaneswar	University Visit
	29.07.2023	Hon'ble Justice M R Shah,	Former Judge Supreme Court of India, Delhi	Inauguration of Law School
	29.07.2023	Hon'ble Justice Dinesh Maheswari	Former Judge Supreme Court of India, Delhi	Inauguration of Law School
	29.07.2023	Hon'ble Adv. Ashok Parija	Advocate General of Odisha	Inauguration of Law School
	24. 06.2023	Mr. B.K.Sahu	Delhi	FDP
	21. 06.2023	Hon'ble Shri Krishna Deva Ras	Vice Chancellor, NALSAR University, Hyderabad	FDP
	12.09.2023	Mr. B K Sahoo	Former IPS Officer, BBSR	Orientation of 1 st Year
	12.09.2023	Prof. Rita Ray	Adjunct Professor, NLUO	Orientation of 1 st Year
	09.01.2024	Adv. Shiladitya Dash	Founder of KonPronz	Use of Generative AI- Guest Lecture
	25.08.2023	Prof. Richard Albert	USA, University of Texas	Guest Lecture
	26. 08.2023	ACP Jitendra Singh	Ministry of Home Affairs, Delhi	Guest Lecture
	24.08.2023	Mr. Ashit Srivastava	DNLU, Jabalpur	Guest Lecture
	23. 08.2023	Dr. Rishika Khare	NLUO, Cuttack	Guest Lecture
	11.12.2023	Mr. Ramnwesh Kumar	SNIL, BBSR	Guest Lecture
	05.02.2024	Mr. Avinash Nanda	Bhubaneswar Law College	Guest Lecture

	09.12.2023	Hon'ble Justice CT Ravi Kumar	Judge Supreme Court of India, Delhi	Convocation
	7.12.2023	Hon'ble Justice Ananga Patnaik	Former Judge Supreme Court of India, Delhi	Guest Lecture
	7.12.2023	Mr. Vivek Patnaik	Retd IAS Officer	Guest Lecture
	18 th May 2024	Dr. Kazma Gandhi	Chairman, Truth Labs, Bangalore	MoU and Meeting with Vice-President
	26th June 2024	Dr. MD. Imran Ali	Managing Director, Salaam Jeevan Trust, Bhubaneswar	Awareness session on the occasion of the International Day Against Drug Abuse and Illicit Trafficking
	17th July 2024	Advocate Gautam Mukherjee	Senior Advocate, High Court of Odisha	Session on the occasion of the World Day of International Justice
	2nd September 2024	Dr. Sujata Mohanty	Deputy Director (Retd.), SFSL Bhubaneswar	Session on "Principles and Needs of Forensic Science" during orientation of the 1st year students

	12 September 2024	Mr. GHV Prasad	Executive Director, Truth labs, Hyderabad	BOS meeting
	16.03.2024	Mr. Swarup Jitu Mahapatra, Founder, Orimark Properties	Bhubaneswar, Odisha	Workshop on Career Reality in Real Estate
	07.03.2024	Mr. Rajen Padhi, Commercial Director- B One Business House Pvt.Ltd	Bhubaneswar, Odisha	Workshop on Business Innovation
	26th April to 28th April 2024	CUTM Faculty Members	Paralakhemundi and Bhubaneswar, Odisha	3 days MDP program for the Secretaries of PACS under Registrar of Cooperative Society, GOO, India
	25.06.2024	Dr. Nandita Mishra, Director of Chetana's Institute of Management and Research (CIMR)	Mumbai, Maharashtra, India	Holistic Development: Nurturing Learning Environment
	24.06.2024	Dr. Uma Shankar Mishra Professor, Department of Management, Central University of Rajasthan	Bhubaneswar, Odisha	Publishing Research Papers in High Impact Journals

	25.06.2024	Prof. SK Baral, Faculty of Commerce and Management, IGNTU, Amarkantak, MP	Madhya Pradesh, India	Writing an Effective Research paper for publication
	29.06.2024	Dr. Govind Rajan Srinivasa, Director, vertical limit education	Bhubaneswar, Odisha	Research Dynamics
	27.06.2024	Dr. Satyasis Mishra, Dean SDG, Centurion University of Technology and Management, Odisha	Bhubaneswar, Odisha	Machine Learning Application and Use of Generative AI for Research
	26.06.2024	Prof. Supriya Pattanayak, Vice Chancellor, Centurion University of Technology and Management, Odisha	Bhubaneswar, Odisha	Publication Ethics
	26.06.2024	Prof. Rabi Narayan Subudhi, CUTM, Formerly with: KIIT, VIT, BU, Former Editor, UGC CARE listed journals	Bhubaneswar, Odisha	Making Research Memorable, Publishable and Impactful: Appreciation and Understanding Data needs
	20th July 2024	Mr. Deepak Agrawal, Plant Head Jindal Stainless Ltd & Author	Jajpur, Odisha	Campus to Industry Transformation

	23rd -24th July 2024	CMA Pramod Mohapatra	Bhubaneswar, Odisha	Union Budget Sectoral Analysis Competition 2024
	5.8.2024	CMA Pramod Mohapatra	Bhubaneswar, Odisha	Entrepreneurial Enigma
	25 to 27 Nov. 2024	Dr. N. V. R. Nathan, Advisor & Consultant, & Authour of "Customer Service Associate Handbook for Trainers	Bengaluru, Karnataka, India	Seminar on “Workshop on Retail, Fashion and Skill Development”
	16 th December 2024	Ms. Sharada Bharaty	Founder Trustee (BEA) India, Bhubaneswar	Workshop on Understanding Bioenzyme
	2 nd and 3 rd December 2024	Dr. Ram Kumar Thappa	Sikkim Alpine University	Workshop on Density Functional Theory
	26 th November 2024	Dr. Rajeeb Kumar Swain	Institute of Life Sciences (ILS), Bhubaneswar	Seminar on Recent Trends in Developmental Biology
	09 th September 2024	Dr. Kshirod Bihari Sathua	Clini Tree & Hospital Pvt. Ltd, Bhubaneswar	Career Talk on Higher Research

	20 th August 2024	Dr. Tanmay Nayak	Biocon Biologics, Bengaluru	Career Talk on changing paradigm of Life Sciences: Career options
	8 th August 2024	Dr. Padmaja Das	Elmentoz Research, Bhubaneswar	Career Talk on Unlocking Your Future: Careers in Clinical Research and Healthcare
	31 st July 2024	Dr. Santosh Kumar Mahapatra	Central University, Punjab	Career Talk on Higher Studies
	26 th July 2024	Sahil Sarthak Biswal	University of Melbourne, Australia	Seminar on Generative AI
	19 th July 2024	Dr. Manorama Patri	School of Life Sciences, Central University Himachal Pradesh	Seminar on "How the Gut's second Brain influences mood and wellbeing".
	06 th July 2024	Dr. Subrato Ghosh	Directorate of Fisheries, Govt. of West Bengal Kolkata	Seminar on breeding of aquarium fishes
	18 th March 2024	Prof. C.R. Satapathy	OUAT, Bhubaneswar	Workshop on GAP for ideal colony

				performance of apiary honeybees
	14 th August 2024	Dr. Nanda N. Mahapatra	Shree Pushkar Chemicals & Fertilizers Ltd.	Seminar on Scope of Chemistry Students in various industries.
	17.07.2024	Dr. Shiva S. Panda, Associate Professor	Dept. of Chemistry and Biochemistry Augusta University, GA, USA	Next-Generation Cancer Treatments: “Combining Molecular Hybridization with Rational Design”.
	30.07.2024	Prof. (Dr.) Umesh V. Banakar	President of Banakar Consulting Services, USA & Founder - Goa Center for Excellence in Intellectual Prope rty (G-CEIP)	“Intellectual Property Rights (IPR) & In-Vitro and In-Vivo Correlation (IVIVC)”.
	04.10.2024	Prof. (Dr.) Biswajit Mukherjee Professor	Department of Pharmaceutical Technology, Jadavpur University, Kolkata	“Drug Targeting At Nervous Systems Through Nano formulations”
	17.11.2024	Dr. Sarat Chandra Sahu	<i>Former Director IMD, Bhubaneswar</i>	Role of GIS and remote sensing for Disaster Risk

			<i>Centre for Environment & Climate, SOA, Bhubaneswar</i>	Reduction and Management
	17.11.2024	Dr. M L Narasimham	<i>Former Dean, Academics, CUTM, Paralakhemundi</i>	Expanding Realms of GIS in Smart City Projects
	13.07.2024	Dr. Sarat Chandra Sahu	<i>Former Director IMD, Bhubaneswar</i> <i>Centre for Environment & Climate, SOA, Bhubaneswar</i>	Dynamics of Climate change and its impact on meteorological hazards with mitigation on Odisha context
	13.07.2024	Narendra Singh Kachotiya	International Independent Humanitarian and Development	Role of UAVs in Disaster Management
	13.07.2024	Dr. Surya Prakash	NIMD, Ministry of Home Affairs	History and evolution of Disaster Management with particular focus on India
	13.07.2024	Dr. Debojit Mishra	Former Scientist, ORSAC	The development and impact of the Aqua Wise and GOWATER platforms for river basin inflow forecasting and

				disaster response in Odisha
	13.07.2024	Dr. Repaul Kanji	Co-Founder GRRID CROPS, WB	Revisiting Disaster Risk Management
	20/12/2024 - 21/06/2024	<p>1. Dr. P. S. R. Srinivasa Sastry .</p> <p>2. Prof. (Dr.) Naeem Hannon</p> <p>3.. Dr. Raffaele Scuderi</p> <p>4. Ms. Renuka Srinivasan</p> <p>Day -2</p> <p>5. Prof. (Dr.) Ganapati Panda</p> <p>6. Mr. Sunil Sabat</p> <p>7. Prof. H. K. Ratha</p> <p>8. Mr. Purna Chandra Mohanty</p> <p>9. Dr. Jagannath Nayak</p>	<p><i>Founder & Former Director, DSP, DRDO, Hyderabad</i></p> <p><i>Director University of Teknologi MARA, Malaysia</i></p> <p>Electromagnetics Industry Process Consultant and SIMULIA EMAG Specialist</p> <p><i>Director, SIMULIA India, Dassault Systems</i></p> <p><i>Former Deputy Director, IIT Bhubaneswar</i></p> <p><i>Principal Program Manager, Microsoft Corporation</i></p> <p>Chair, IEEE Bhubaneswar Sub-section & Retired Director, ITR, Chandipur</p> <p><i>CEO, Marquee Semiconductor</i></p> <p>Director, DRDO, Hyderabad</p>	<p>Delivered a presentation on advancements in defense signal processing.</p> <p>Spoke about the automation of substations and introduced the concept of Smart Grids, capable of self-healing, equipped with dynamic optimization techniques, real-time measuring equipment, and asset management tools.</p> <p>Collaboration with private industry is vital for accelerating innovation and ensuring that India's defence sector remains</p>

				competitive and self-reliant.
	17/06/2024	Benny Jr. Kart, PENE COOK, AUS	AUSTRALIA	Unit Visit
	22/06/2024	Voc. Teachers Od, OSEPA	ODISHA	Capacity Building Training
	22/06/2024	Voc. Teachers Od, OSEPA-2	ODISHA	Capacity Building Training
	27/06/2024	Maria Boldini, Australian vanilla plantation	Sydney, AUSTRALIA	Unit Visit
	30/07/2024	David Soo, Australian vanilla plantation	Sydney, AUSTRALIA	Unit Visit
	06/08/2024	Australian High Commission	AUSTRALIA	Unit Visit
	07/08/2024	Prabina Chhunw	Nepal	Unit Visit
	29/08/2024	Ramamadup (Ph.D. Research Scholar.)	Punjab Agricultural University (PAU)	Unit Visit
	29/08/2024	Prachi D	(RA,J-PAL)	Unit Visit
	29/08/2024	Santosh Lahro	(RA,J-PAL)	Unit Visit
	02/10/2024	Prof. Goutam Saha (VC- BCKV)	BCKV	Unit Visit
	03/10/2024	Mr. V. Srinivash	SEEDAP	Unit Visit

		CEO, Seedap		
	07/11/2024	Sumi Balu	Piramal Foundation	Unit Visit
	09/01/2025	Sangeeta Mamgain, Head of School of Climate and sustainability.	Piramal Foundation	Unit Visit

Key Visitors:

- ❖ Dr. Mohan Yellishetty, Monash University, Australia
- ❖ Prof. (Dr.) Naeem Hannon, University of Teknologi MARA, Malaysia
- ❖ Prof. Richard Albert, University of Texas, USA
- ❖ Mr. Nick Crothers, Australia
- ❖ Dr. Praveen Bharti, ICMR-NIMR, New Delhi, India
- ❖ Dr. Kazma Gandhi, Chairman, Truth Labs, Bangalore, India
- ❖ Dr. Subhadarsini Parida, University of South Australia, Australia
- ❖ Dr. Sujata Mohanty, Deputy Director (Retd.), SFSL Bhubaneswar
- ❖ Mr. Swarup Jitu Mahapatra, Founder, Orimark Properties, Bhubaneswar, Odisha
- ❖ Prof. (Dr.) Umesh V. Banakar, President of Banakar Consulting Services, USA

- ❖ Prof. (Dr.) Ganapati Panda, Founder & Former Director, DSP, DRDO, Hyderabad

2.2 Indian Visitors:

- ❖ Dr. Sreedhar Panicker Somanath Chairperson, Indian Space Research Organization (ISRO), Bengaluru
- ❖ **Dr. R. Balasubramaniam**, Author & Member, HR Capacity Building Commission, Government of India; **Shri R. Venkataramani**, Senior Advocate & Attorney-General for India; have visited CUTM Jatni for **Eastern India launch of *Power Within: The Leadership Legacy of Narendra Modi*** under the theme *Leadership through Indic Wisdom*, exploring the impact of traditional Indian values on leadership and governance.
- ❖ **Dr. R.C. Agrawal, Deputy Director General**, and **Dr. Pramod Rout, Assistant Director General**, have visited the CUTM Paralakhemundi campus, highlighting the strong ties between CUTM and ICAR.
- ❖ **Shri Prithviraj Harichandan**, the Law Minister of Odisha, has visited to Centurion University of Technology and Management Jatni.
- ❖ **Subhash Chhetri**, State Director, MSME Government of Odisha has visited CUTM Jatni.
- ❖ **Dr Rohini Reddy, SAARA Bangalore**, has visited to CUTM Paralakhemundi and discussed about smell less Poultry.

- ❖ Centurion University of Technology and Management (CUTM) in Jatni, Odisha, recently had the honour of hosting **Shri Ajay Piramal**, Chairman of the Piramal Group, along with his wife.
- ❖ Hon'ble Justice **Mr. Sandeep Mehta**, Hon'ble Judge Supreme Court of India, New Delhi.
- ❖ **Dr. P. S. R. Srinivasa Sastry**, Founder & Former Director, DSP, DRDO, Hyderabad
- ❖ **Ms. Renuka Srinivasan**, Director, SIMULIA India, Dassault Systems
- ❖ **Mr. Sunil Sabat**, Principal Program Manager, Microsoft Corporation
- ❖ **Dr. Jagannath Nayak**, Director, DRDO, Hyderabad
- ❖ **Hon'ble Justice M.R. Shah**, Former Judge Supreme Court of India, Delhi
- ❖ **Dr. Rishika Khare**, NLUO, Cuttack
- ❖ **Mr. Ashit Srivastava**, DNLU, Jabalpur
- ❖ **Prof. Rita Ray**, Adjunct Professor, NLUO
- ❖ **Dr. Sarat Chandra Sahu**, Former Director IMD, Bhubaneswar
- ❖ **Dr. Rajeeb Kumar Swain**, Institute of Life Sciences (ILS), Bhubaneswar
- ❖ **Dr. Ranjan Kumar Rout**, IDBI Bank, Khordha

14. Acknowledgements

The University is grateful to number of Institutions and Individuals for their generous support in pursuing its mission and vision. Some of the agencies who supported during the year are listed below.

- i. Government of India
- ii. Government of Australia
- iii. Government of Norway
- iv. other National Governments
- v. International and National Organizations
- vi. Government of Odisha
- vii. Other State Government and their Agencies
- viii. International, National and State Level Companies
- ix. Academic and Research Institutions
- x. Civil Society Organizations
- xi. Individual Donors and Well Wishers.

Vision

Provision of quality, globally accredited academic programmes in technology and management.

Provision of globally accredited employability training for less endowed segments of the population.

Promotion of entrepreneurial culture and enterprise in the target areas.

Facilitating improved market access to goods and financial services to the target population.

Promotion of lighthouse project interventions in the target area.

Mission

A globally accredited human resource centre of excellence catalysing "sustainable livelihoods" in the "less developed markets across the globe"

 Centurion University of Technology
and Management, Odisha

Home Coming
*Flash back from JITM (1997) to
CUTM (2024)*



**Centurion
UNIVERSITY**
*Shaping Lives...
Empowering Communities...*

2024

ALUMNI MEET

Legends Return – Alumni Meet 2024
Reuniting Memories, Rekindling Bonds

Organized by: The Alumni Association, Centurion University of
Technology and Management, Odisha
alumni@cutm.ac.in