Present Address:

Assistant Professor
Department of Physics
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GYANENDRA KUMAR MISHRA

PERSONAL DETAILS

Name	:	**Dr. Gyanendra Kumar Mishra**
Father's Name	:	**Nilambara Mishra**
Date of Birth	:	**4th May 1989**
Gender	:	**Male**
Marital Status	:	**Married**
Nationality	:	**Indian**
Language Known	:	**English, Hindi, Odia and Sanskrit.**

Discipline/Specialization: Nuclear and Particle physics, Solid state Physics

Google Scholar Id

http://scholar.google.co.in/citations?user=CjEpNnoAAAAJ

Orcid Id

https://orcid.org/0000-0002-3199-5384

Career objective:

Strongly determined to associate with a reputed institute for working all around development of the organization as well as society. I have keen interest to teach School students (to provide culture of Vedic lifestyle and the technique to do best in modern education) along with do research in the field of Physical Science, Mathematical Science and Yogic science.

PROFILE:

Background In Yoga

- Attained 3 months of yoga training Programme at Patanjali Yoga Peeth, Haridwar in 2010 and awarded as Yoga teacher.
- Served as District Youth President of Yuva Bharat, Patanjali Yoga samiti Bolangir.(2011 to 2016).
- Yoga trainer in District Head Quarter Phulbani on 14th March 2014 at Gopabandhu Stadium, Phulbani.
- Yoga trainer in Ist International Yoga Day at Rajendra College field Balangir with 1000 N.C.C. students. 21st June 2015.
- Yoga trainer in 2nd International Yoga Day at Gandhi Stadium Bolangir with Sri sri Rabi Shankar Organization and N.C.C. students. 21st June 2016.

- Yoga trainer in 4th International Yoga Day at C.R.P.F. 189 batalian Balangir with 600 forces 21st June 2018.
- Yoga trainer in 5th International Yoga Day at Centurion Campus(JITM) Balangir 21st June 2019.
- Yoga trainer in 7th International Yoga Day at Centurion Campus(JITM) Balangir 21st June 2021 with all protocol of COVID guidelines.
- Yoga trainer and Invited Speaker in 8th International Yoga Day at Jawahar College, Patnagarh. 21st June 2022.
- 3 Years of teaching Yoga and Meditation Skill Paper to Bsc and MSc students in Centurion University, Balangir Campus.
- Felicitated Yoga Vandhu Award 2024 from Centurion University**.**
- Invited Speaker on 21st December 2024 at Jatni, Khordha Prajapita Brahmakumari Paribar (First World Meditation Day)
- Yoga trainer and Invited Speaker at Geetabhaban, Khordha from Patanjali Organisation. 6th January 2025. (5 to 7:30 am)

Academic Background:

- Doctor in Philosophy (PhD- **2024**)
  - Subject: Physics (**Material Science**)
  - University: **Centurion University Of Technology and Management**, Odisha, India
  - Thesis Title: "STRUCTURAL, DIELECTRIC AND ELECTRICAL TRANSPORT PROPERTIES OF RFeAsO (R = Nd, Gd and Dy) CERAMICS."
- Master of Philosophy (M.Phil, **2018**)
  - Subject: Physics
  - University: **Centurion University Of Technology and Management**, Odisha, India

- Remarks: **1st Class (72.6%)**
- Thesis title: **" DIELECTRIC AND ELECTRICAL TRANSPORT PROPERTIES OF NdFeAsO CERAMICS"**

- Master of Science (M.Sc, July 2013) (Distance Mode)
  - Subjects**:** Mathematics
  - University**: Shobhit University**, Odisha, India
  - Remarks: **1st Class (61.4%)**
- Master of Science (M.Sc., July 2013)
  - Subject: Physics
  - University: **Berhampur University**, Odisha, India
  - Remarks: **1st Class**
- Bachelor of Science (B.Sc, July 2010)
  - Subjects**:** Physics (Honours), Chemistry, Mathematics
  - University**: Sambalpur University**, Odisha, India
  - Remarks: **1st Class**

Teaching experience:

- **Two year** teaching experience in **Beenapani Degree College Dhumabhata** (From August 2013-March 2015) 12th and B.Sc students.
- **One year** teaching experience as Guest faculty in **Rajendra College** (2013-2014) B.Sc students.
- **Eight Year** teaching experience in **Centurion University of Technology and Management**, **Bolangir Campus, Odisha**(30-11-2015 to 04-09-2024) as **Assistant Professor** for B.Sc and M.Sc. students.
- **Four Months** teaching experience in **Centurion University of Technology and Management**, **Bhubaneswar Campus, Odisha**(05-09-2024 to till now) as **Assistant Professor** for B.Sc and M.Sc. students.

SUBJECTS TAUGHT: Bsc and MSc physics(All Subjects)

Organization of Seminar/Workshop:

a. Two days National Seminar on "Physics and Chemistry of Novel Materials" (PCNM-2020) organized during 28-29th February, 2020 by Department of Physics and Chemistry, Centurion University of Technology and Management, Odisha, Balangir Campus, Odisha, India **(As Treasurer)**

Publications

International Publications

1. N.K. Mohanty* and **Gyanendra Kumar Mishra**, Structural and Dielectric Properties of Layered Structure Bismuth Oxide ceramic $SrBi_2V_2O_9$, Indian Journal of Natural Sciences, 10 (60) 22733 **(2020)**
   https://tnsroindia.org.in/JOURNAL/issue60/ISSUE%2060%20FRONT%20PAGE%20PART%20--%204.pdf

2. **Gyanendra Kumar Mishra** and N.K. Mohanty*, Structural and Impedance Properties of Iron (Fe) based ceramic, Indian Journal of Natural Sciences, 10 (60) 23302 **(2020)**
   https://tnsroindia.org.in/JOURNAL/issue60/ISSUE%2060%20FRONT%20PAGE%20PART%20--%204.pdf
3. **Gyanendra Kumar Mishra**, N.K. Mohanty**,** Banarji Behera, Analysis of Dielectric and Electrical Transport properties of NdFeAsO Ceramic, Ceramica 68 (386) 181-187 **(2022). (04.07.2022) IF**
   http://dx.doi.org/10.1590/0366-69132022683863168
4. **Gyanendra Kumar Mishra**, N.K. Mohanty**,** Atala Bihari Panda, Prafulla Kumar Pradhan, Subingya Pandey, Banarji Behera, Structural and dielectric properties of GdFeAsO ceramic material, Chemical Physics Impact, 7 (2023) 100276. **(01.12.2023) IF 2.2, Citescore 1.8.**
   https://doi.org/10.1016/j.chphi.2023.100276
5. **Gyanendra Kumar Mishra,** N.K. Mohanty, Prafulla Kumar Pradhan, Atal Bihari Panda, and Banarji Behera, Structural, Micro structural and Raman study of DyFeAsO, **AIP Conferernce Proccedings (Accepted) December-2023.**

6. Prafulla Kumar Pradhan, N.K. Mohanty, **G.K. Mishra**, A.B. Panda, and Sudhir Minz, Structural and Dielectric Properties of LaFeO3 Orthoferrite Ceramics, **AIP Conferernce Proceedings (Accepted) December-2023.**
7. **Gyanendra Kumar Mishra**, Prafulla Kumar Pradhan, N.K. Mohanty, Electrical transport properties and hopping mechanism of ZrCuSiAs type compound GdFeAsO, ECS Journal of Solid State Science and Technology, vol 13 issue-1 (2024) 013008 **(19th January 2024) IF 2.2, Citescore 4.3.** Publisher: The Electrochemical Society, IOP science.
   https://doi.org/10.1149/2162-8777/ad1c8e.
8. Prafulla Kumar Pradhan, **G.K. Mishra**, N. K. Mohanty and A.B. Panda, Sudhir Minz, Synthesis and characterization of $RFeO_3$(R=Nd,Gd) orthoferrite compounds for energy storage application**,** ECS Journal of Solid State Science and Technology (August-2024), **(Under Review).**
9. Prafulla Kumar Pradhan,N.K. Mohanty, A.B. Panda, **G.K. Mishra** and Lalatendu Biswal "Exploring the impedance and electrical conduction mechanisms in $lafeo_3$ orthoferrites for thermistor applications,Physics of Metals and Metallography, **(07.10.2024) (Under Review)**
10. Prafulla Kumar Pradhan, **Gyanendra Kumar Mishra**, Nilaya Kumar Mohanty, , Atala Bihari Panda, Lalatendu Biswal, "Temperature and frequency dependent of electrical behavior of Rare-Earth Orthoferrites (RFeO3, R=Nd,Gd) for Sustainable High-Temperature Industrial Applications" Journal of electroceramics (08.10.2024) **(Under Review)**
11. Prafulla Kumar Pradhan, Nilaya Kumar Mohanty, **Gyanendra Kumar Mishra**, Atala Bihari Panda, Rare earth orthoferrites (RFeO3, R=rare earth elements) : Acomprehensive review of Structural, dielectric and magnetic properties, Bulletin of Materials Science (08.10.2024) **(Under Review)**

National Publications

1. Deactivation of 6VWW enzyme of corona by pharmacophore Oc1cc2CCN=Cc2cc1O (SMILES) **G Mishra** Indian Journal of Natural Sciences 10 (60), 22000-22001
2. In silico analysis of mechanical properties of poly acrylic acid and silica composite

G Mishra Srabani Mishra Indian Journal of Natural Sciences 10 (60), 23666-23668

3. In silico analysis of permeability properties of polyacrylic acid and silica composite **G Mishra** Srabani Mishra Indian Journal of Natural Sciences 10 (60), 23669-23671

4. Deactivation of 6Y84 enzyme of corona by pharmacophore CC(C)c1cc(OC(=O)C) c(C) cc1OCCN(C)C (SMILES) **G Mishra** Indian Journal of Natural Sciences 10 (60), 22488-22489
5. Deactivation of 6Y84 enzyme of corona by pharmacophore CC(=O)C1=C([O-])C=C(C)OC1=O (SMILES) **G Mishra** Indian Journal of Natural Sciences 10 (60), 22448-22449

6. Deactivation of 6VWW enzyme of corona by pharmacophore CCOC(OCC)n1ccnc1 (SMILES) **G Mishra** Indian Journal of Natural Sciences 10 (60), 22144-22145
7. N.K. Mohanty* and **Gyanendra Kumar Mishra,** Structural and Dielectric Properties of Layered Structure Bismuth Oxide ceramic $SrBi_2V_2O_9$, Indian Journal of Natural Sciences, 10 (60) 22733 **(2020)**
8. **Gyanendra Kumar Mishra** and N.K. Mohanty***,** Structural and Impedance Properties of Iron (Fe) based ceramic, Indian Journal of Natural Sciences, 10 (60) 23302 **(2020)**
9. **Gyanendra Ku Mishra** and Nilaya K Mohanty,Properties and Applications of Fe Based High Temperature Superconductor, Amazon Self publishing, 2020, ISBN-13 : 979-8561484759.
10. **Gyanendra Kumar Mishra**, N.K. Mohanty**,** Banarji Behera, International Conference on Recent Advances in Materials ICRAM-2022 during 21-23 March 2022.

Conferences attended/presentations:

- National Webinar on "The Beautiful Universe and Our Little Understanding" during 2nd July 2021, organised by P. G. Dept. of Physics, Rajendra University, Balangir, Odisha
- International Webinar on "Recent Advances in Science and Technology (RAST-2021) during on 6-8th November 2020, organized by Department of Physics. Indira Gandhi Institute of Technology, Sarang, Odisha, India
- Two days National Seminar on "Physics and Chemistry of Novel Materials" (PCNM-2020) organized during 28-29th February, 2020 by Department of Physics and Chemistry, Centurion University of Technology and Management, Odisha, Balangir Campus, Odisha, India

- Participated in the workshop on TEQIP-III Sponsored one Week National Workshop on Relativity, Cosmology and Astrophysics by the Department of Physics, I.G.I.T., Sarang January 2020
- G K Mishra, Banarji Behera, P. Nayak, N.K. Mohanty, Structural and dielectric properties of Iron based ceramic, National seminar on recent trends in physical sciences (RTPS-19) 15-16th February 2019, organized by P.G Department of Physics and Chemistry, Rajendra College (Autonomous) Bolangir
- Presented a Paper on Structural and impedance Properties of GdFeAsO ceramic International Conference on Recent Advances in Materials ICRAM-2022 during 21-23 March 2022.
- **D**elivered the seminar Two days National Seminar on "Physics and Chemistry of Novel Materials" (PCNM-2020) organized during 28-29th February, 2020 by Department of Physics and Chemistry, Centurion University of Technology and Management, Odisha, Balangir Campus, Odisha, India
- **D**elivered the seminar on the Effect of rare earth impurity on structural stability, dielectric and electrical properties of double perovskite ceramic materials" 4th International Conference on Management, Science, Engineering and Applications, 19-21st December 2019, organised by Centurion University, Parlakhemundi, Odisha, India
- G K Mishra, Banarji Behera, P. Nayak, N.K. Mohanty, Structural and dielectric properties of Iron based ceramic, National seminar on recent trends in physical sciences (RTPS-19) 15-16th February 2019, organized by P.G Department of Physics and Chemistry, Rajendra College (Autonomous) Bolangir.
- Deliver a talk on Structural and impedance Properties of GdFeAsO ceramic International Conference on Recent Advances in Materials ICRAM-2022 during 21-23 March 2022.

Computer Skills:

- **Working environment: Widows, LINUX, and UBUNTU.**
- **Software used/known: Origin**
- **Programming used/ known**: **FORTRAN, LATEX .**