



**CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT,
ODISHA FDP**

on

“Use of Blends in BIOVIA”

(08-11-2019 to 12-11-2019)

REPORT

No. of Participants: 14

DATE AND VENUE: 08th to 12th November, 2019, Centurion University of Technology and Management (CUTM), Paralakhemundi campus.

ABOUT RESOURCE PERSON: Dr. Satyanarayan Dhal is Assistant Professor in Physics at Centurion University Of Technology And Management, Odisha. He has vast research experience in synthesis of different types of nanomaterials, study of ion induced defects on different materials. He has published articles in reputed international and national journals.

ABOUT THE SESSION:

A total of 14 faculty members from the departments of Physics, Chemistry & Mechanical Engg. of Paralakhemundi, Bhubaneswar, Bolangir & Rayagada campuses attended the program online. The topics like: Phase diagrams (critical points, binodal and spinodal curves); the interaction parameter; Mixing energy; Free energy of isothermal mixtures; Distribution of energy functions; Sorting binding configurations by energy were covered in the FDP through interactive and hands on session modes. The interactive lecture sessions were held in the CSREM Conference Room, followed by the practise sessions at CSE Lab-3. The preparation and distribution of relevant study materials to all participants. The FDP was well-organized, packed with relevant material, enjoyable to participate in, and replete with new data. Throughout the seven days of this FDP, Dr. S. Dhal's unflinching delivery of the topics and never-ending conversations were useful to each participant. Dr. R. Mallik, Assistant Professor in the Department of Chemistry, has also been of great assistance to me and the participants by leading them through the many practise sessions. We would also like to thank Dr. Ashok Mishra, Dean of the School of Applied Sciences, for his assistance in organising the practise sessions.

OBJECTIVES:

1. Compatibility of polymer blends - amorphous and semi-crystalline polymers
2. Study of Solvent effects, including swelling, dissolution, diffusion, and solvent casting
3. Work on formulation - temperature and concentration impacts on formulation stability
4. Liquid-liquid phase equilibria - in-depth analysis leading to the construction of superior separation apparatus
5. Design of stereoselective chromatographic columns and other separation and analysis media in separations technology

OUTCOME:

After the completion of this FDP, faculty members will be able to provide the contents of blends-related projects to B.Sc./M.Sc. students without difficulty. School of Applied Sciences, Paralakhemundi held a Faculty Development Program on " Use of Blends in BIOVIA " from 08th to 12th November, 2019. Prof. Ashok Misra, Professor, Department of Mathematics, coordinated this programme,

Comments and suggestions:

- All employees profited substantially from this FDP.



Faculty Development Programme on "Use of Blends in BIOVIA"



• At least twice a year, this form of interactive and participatory FDP in various fields/subjects is required for the progression and upgrading of faculty members' knowledge.

Highlights:

1. Compatibility of polymer blends - amorphous and semi-crystalline polymers
2. Study of Solvent effects, including swelling, crystallization, diffusion, and solvent casting
3. Work on degradation - temperature and concentration impacts on biodegradable blends
4. Liquid-liquid phase equilibria - in-depth analysis leading to the construction of superior separation apparatus
5. Design of stereospecific chromatographic columns and other separation and analysis needs in separation technology

Resource Person:

Dr. Satyanarayan Dhal

• Date: 5th to 12th May, 2020

School of Applied Sciences

Centurion University of Technology and Management
Paralakhemundi
Odisha

Brochure Of the event



CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA

WORK SHOP ON "Use of Blends in BIOVIA"

DATE: 08-11-2019 TO 12-11-2019

ATTENDANCE SHEET

SL. NO	NAME	FULL SIGNATURE
1	Dr. Ashok Mishra	A. Mishra
2	Dr. Banitamani Mallik	Banitamani Mallik
3	Mr. Balaji Padhy	Balaji Padhy
4	Mr. Gouri Kumar Sahu	Gouri Kumar Sahu
5	Dr. SK Najmul Islam	SK Najmul Islam
6	Dr. Rosy Mallik	Rosy Mallik
7	Mr. Ivutari Siva Rama Koti	I. Siva Rama Koti
8	Dr. S. S. Nayak	S.S. Nayak
9	Dr. Pratibha Tripathy	Pratibha Tripathy
10	Dr. Satyanarayan Dhal	Satyanarayan Dhal
11	Dr. Prasanta Kumar Rath	Prasanta Kumar Rath
12	Dr. Satya Prakash Nanda	S.P. Nanda
13	Dr. Narayan Gouda	Narayan Gouda
14	Dr. Sayed Muktar Hossain	Sayed Muktar Hossain


Prof. KVD Prakash
Dean - RE & HRD


Dr. Prasanta Ku. Mohanty
Dean Academic