

**Faculty Development Programme**  
*on*  
**Chemical Sciences: Current & Future Prospects**  
**July 24 - 29, 2023**



*Organized by*  
**Human Resource Development Centre (HRDC)**  
in Association with  
**PG Department of Chemistry**  
**Berhampur University**



## About Berhampur University

Berhampur University (BU) is a public-funded state university established on 2<sup>nd</sup> January 1967. The campus is known as Bhanja Bihar, named after the celebrated poet of Odisha Kabi Samrat Upendra Bhanja. Spreading over lush-green campus of about 250 acres, the University is 12 kilometers and 5 kilometers away from Berhampur City and Gopalpur-On-Sea, respectively. There are 25 Post-Graduate departments on the University campus, that offer specialized subjects and Ph.D./D.Sc. Programs. The University has 173 affiliated colleges with various subjects and disciplines such as Arts, Science, Commerce, Law, Education, Medicine, Pharmacology, Homoeopathy, Ayurveda, Nursing, Military Science, Library Science and Fine Arts. The University is a permanent member of the Inter University Board of India and Sri Lanka as well as that of the Association of Commonwealth University of London.

### Mission

Berhampur University seeks to take long strides in harnessing the outcome of teaching and research in various fields by way of ensuring inclusive growth, and to prove itself to be a Center of Excellence in higher education.

It further envisions taking up the social responsibility towards the total uplift of the society at large by providing quality education in consonance with the motto of the University, i.e., "*Tamaso Ma Jyotirgamaya*" which means "Lead me from darkness unto light".

### Vision

- Promote inclusive growth to cater to the educational need of all sections of the society while striving for excellence.
- Achieve innovation in teaching, learning and research to realize goals of higher education.
- Empower students with relevant knowledge, competence and creativity to face the challenges of life.
- Create a modern teaching-learning ambience to impart quality education.
- Generate awareness of human rights, values systems, culture, heritage, scientific temper and environment.
- Preserve and promote the cultural heritage of the region through research and documentation.
- Inculcate ethical values and academic rigour amongst the students enabling them to contribute to the holistic development of society.

## About the HRDC, Berhampur University

For improving the quality of higher education, different Commissions, such as Radhakrishnan Commission (1948), Kothari Commission (1966) and National Education policies on higher education had recommended for the establishment of Academic Staff College (Presently known as Human Resource Development Centre) for the sustained development of academic staffs across the time along with changing policy vis-à-vis knowledge exploration. Keeping this into account, the Higher Education Department, Govt. of Odisha established the Human Resource Development Centre (HRDC) at Berhampur University during 2018, and Consequently, the HRDC started as facilitator for academic up-gradation and R & D skill enrichment of the Faculty members and the Research manpower.

**The Vision of HRDC-BU is to:**

- Ensure quality improvement of teachers in teaching-learning methodology by incorporation ICT tools.
- Strive for achieving the status of Nodal Centre for training of both academic and non-academic staff of colleges/universities.
- Organize hands on Faculty Development Programmes to translate the skill among the students.
- Organize Refresher Courses, Orientation programmes, Summer/Winter School, Short term Faculty Development programmes.
- Conduct training programme for research scholars on research methodology.

## **About the Post-Graduate Department of Chemistry**

The Department of Chemistry (Estd. 1972) offers two-year Master's degree course in Chemistry. Choice Based Credit System (CBCS) has been introduced from 2015 to keep the student up-to-date with development of higher education in India and abroad. The Post-Graduate curricula is recently undergone major orientation congruent with the development and trends in the subject to help the students to seek a career in different thrust areas of the subject like Organic Synthesis, Inorganic Chemistry, Organometallics, Material Chemistry, Polymers, Industrial Chemistry, Chemistry and Society, Nanochemistry, Drug regulation, Analytical Chemistry, Spectroscopy and Environmental Chemistry, etc. In order to gain competency in research 4th semester Student has to take up research project in different areas of Chemistry. Department of Chemistry regularly organizes conferences and workshops in the field of Chemical Sciences and its applications in various fields.

## **About the Programme: Theme and Objective of the FDP**

The future of Chemical Sciences helps to understand how chemistry and chemists might evolve in the next ten to twenty years. Chemistry may need to be increasingly interdisciplinary and there could be a significant shift from blue-skies to problem-driven research. It is likely the chemical sciences will be increasingly required to solve challenges in energy and climate change, food production and clean water. Chemistry might have an increased role in biochemistry and the pharmaceutical industry, as well as in the maintenance and development of infrastructure. The FDP will provide a platform to all the participants to refresh their knowledge in the current trends in Chemical Sciences. This will also provide an opportunity to all the participants to have a glance at the future of Chemical Sciences in the challenging areas like drug discovery, environmental protection, etc. The major areas which are going to be covered during the FDP

- a) Organic Synthesis/Drug discovery
- b) Nanotechnology
- c) Climate change and food security
- d) Applied Chemistry in Healthcare
- e) Material Chemistry
- f) Green and Sustainable Chemistry

## **Details of the Faculty Development Programme**

**Title of the FDP:** Chemical Sciences: Current & Future Prospects

**Duration of the Programme:** 24-07-2023 to 29-07-2023 (One Week)

<b>Timing of Sessions:</b>	Two sessions (Four lectures) per day: <b><i>Pre-lunch Session:</i></b> 10.00 AM to 11.30 AM (Lecture-I) 11.30 AM to 1.00 PM (Lecture-II) and <b><i>Post-Lunch Session:</i></b> 2.00 PM to 3.30 PM (Lecture-III) 3.30 PM to 5.00 PM (Lecture-IV)
<b>Eligibility:</b>	Faculty members involved in teaching UG and PG courses in Chemistry and allied subjects in various colleges and University Departments are eligible to apply. The number of participants is restricted to 50.
<b>Mode of the FDP:</b>	Virtual Mode (Online)
<b>Last Date for Registration:</b>	20-07-2023
<b>Registration Fee:</b>	Rs. 1000.00 (To be paid online or NEFT). The amount should be paid in favour of Director, HRDC-BU (A/c No. 6371101000698; IFSC Code. CNRB0006371)
<b>Registration Link:</b>	<a href="https://forms.gle/LR9Vy1aJUP84aeyU7">https://forms.gle/LR9Vy1aJUP84aeyU7</a>

### **Certification:**

**Certificates will be issued subject to the participants qualifying the following conditions:**

- Minimum 75% attendance.
- Minimum 50% marks in the exam conducted on last day of the programme.

### **Advisory Committee of HRDC**

**Prof. Geetanjali Dash**, Vice-Chancellor, Berhampur University

**Prof. S. K. Baral**, Chairman, PG Council, Berhampur University

**Shri Sachidananda Nayak, OAS(S)**, Registrar, Berhampur University

**Prof. Sukant Ku. Tripathy**, Director, R &D Cell, Berhampur University

**Prof. Sudhakar Patra**, Director, IQAC Cell, Berhampur University

**Prof. Shruti Dash**, HoD, Dept. of English, Berhampur University

## **Organizing Committee of HRDC**

**Prof. Jogeswar Panigrahi**, Director, HRDC-BU  
**Dr. B. Anjan Kumar Prusty**, Joint Director, HRDC-BU  
**Dr. Sadananda Nayak**, Member  
**Dr. Tapan Kumar Barik**, Member  
**Dr. Biswajit Prasad Chhatoi**, Member  
**Dr. Laxmidhar Rout**, Member  
**Dr. Aditya Kumar Panda**, Member  
**Dr. Raj Kishore Kampa**, Member  
**Dr. Neha Pandey**, Member  
**Dr. B. Venkateswar Rao**, Member  
**Dr. Padmalochan Hembram**, Member

## **FDP Programme Convener**

**Dr. Satyanarayan Sahoo**, Assistant Professor, PG Department of Chemistry

## **FDP Program Coordinator**

**Dr. Ganngam Phaomei**, Assistant Professor & Coordinator, PG Department of Chemistry

## **FDP Programme Organizing Members**

**Dr. Laxmidhar Rout**, Assistant Professor, Dept. of Chemistry  
**Dr. Bibhuti Bhusan Parida**, Assistant Professor, Dept. of Chemistry

## **Contact Details:**

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**REGISTRATION FORM**

**Faculty Development Programme**  
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1. Name in full: Dr./Mr./Mrs./Ms. ....
  2. Designation: .....
  3. Organization/Institution: .....
  4. Address: .....  
.....  
Phone: ....., Mobile: ....., Fax: .....  
e-mail: .....
  5. Details of Registration fee: Amount. Rs. 1000.00 (Rupees One Thousand) only  
Details of DD/ NEFT/ Online payment.....  
(Proof of Payment need to be enclosed)
- Place: ..... Signature of the Candidate  
Date: .....

**Forwarded by Supervisor/Guide/Head of the Department/Principal**

I hereby forwarding the application of Dr./Mr./Ms. ....  
to enrol in the FDP on "Chemical Sciences: Current & Future Prospects", during 24-29 July 2023,  
organized by HRDC-BU in association with PG Dept. of Chemistry.

**(Signature of Competent Authority with Seal)**