



IMAGES: Various Skill Development Training Programs at different CSIR Labs.

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## SKILLING/UPSKILLING TRAINING PROGRAMS BY CSIR

### सीएसआईआर द्वारा स्किलिंग/अपस्किलिंग प्रशिक्षण कार्यक्रम

- CSIR-NIIST conducted a three months Skill training program on "Synthetic Organic Chemistry - Hands on training on fundamentals and specialized reactions" from 7th July, 2023 to 6th October, 2023 as a part of CSIR Skill Initiative.
- Skill development programme on Integrated Municipal Solid & Liquid Waste Management System was organized by CSIR-CMERI in association with M/s Ecosafe Zero Waste Solutions Private Limited, Patna, Bihar from 4th-13th Oct, 2023 where 30 participants took part.
- CSIR-IITR conducted a 05-day workshop on Transmission Electron Microscopy from 9th-13th October 2023.
- Skill Development Programme on "Durability & Repairs of RC Structures (DRS) was organized by CSIR-CBRI Roorkee from 16th-18th oct, 2023.
- One-day Scientific Workshop was organized by CSIR-CEERI on 16th Oct, 2023 at their Jaipur Campus under CSIR Integrated Skill Initiative; where 10 students and 03 faculty members from SKNAU, Jobner, participated.
- CSIR-CECRI, Karaikudi organized five Days Skill Development Training on "Surface Analytical Techniques" during 16th-20th October, 2023 under CSIR Integrated Skill Initiative. This programme aims to provide status on the requirements of surface analytical studies by using various techniques. In this course they have discussed about various surface analyzing technologies and applications in industries. This programme was attended by 51 participants from all over India.



- CSIR-CIMAP organized a Five days online training program on "Herbal Drug Development Technologies" during 16th-20th Oct., 2023
- CSIR-NCL, Pune conducted Skill Development Program on Surface Characterization Techniques. This course was conducted between 16th-20th Oct. 2023. Under this course, theory lectures as well as hands-on sessions were given.
- CSIR-AMPRI conducted a two days Training cum Workshop on "CNS Turner, Welder & Fitter with advancements in mechanical engineering" from 19th-20th October, 2023 as a part of CSIR Skill Initiative.



- [Skill development training program on "Construction of genetically engineered microorganism" was conducted at CSIR NIIST during the period from 9th-20th October 2023 as part of CSIR Skill Initiative.](#)
- [Under the CSIR-Integrated Skill Initiative Programme \(Phase-II\) CSIR-IHBT organised 5 days CBP on "Hands-on training cum exposure visit to agro and process technologies of floriculture, aromatic, medicinal, spices and plantation crops" for 24 students from BHU, Varanasi \(UP\) from 16th-20th October 2023. Students were exposed to different R&D activities of the Institute through lectures followed by demonstrations in the labs and experimental farms.](#)
- [CSIR-Central Building Research Institute, Roorkee organized a workshop on "Prevention and Control of Higher Trees from Buildings" on October 27, 2023 under the aegis of CSIR Integrated Skill Initiative.](#)

- »»» CSIR-HRDC coordinated a virtual meeting between LSSSDC and CSIR-NIO on October 06, 2023 to discuss the modern curriculum on "Coastal Marine Resource Analyst ". LSSSDC Team suggested certain necessary changes on the course draft prepared by CSIR-NIO. NIO ensured to incorporate the changes and resubmit the documents. CSIR-HRDC will follow up and fix the next meeting.
- »»» On 20th October 2023 a Virtual meeting of CSIR-IIP, CSIR-NCL nodal with the CEO, Hydrocarbon SSC to understand the handholding requirements for aligning the courses, drafting new QP, technical support needed in the sector from CSIR Scientists.

## GENERAL EVENTS

### सामान्य आयोजन

- »»» Skill India partners with Coca-Cola India to launch Retailer Skill Development Program to empower retailers in Odisha
- »»» IIT Madras and IIM Ahmedabad incubated company GUVI launches initiative to train TN youth in coding for free of cost
- »»» UGC draft rules suggest mandatory internships for undergraduate students
- »»» Cyient, CEMS(Centre of Excellence in Maritime and Shipbuilding) partner on skill enhancement
- »»» NSDC onboards upGrad as its Digital Learning Partner to support skill India initiative
- »»» Skill ministry launches IndiaSkills 2023-24, to target 2.5 mn participants
- »»» Aptech Launches India's First Holistic end-end Virtual Production Academy in Mumbai
- »»» To make India self-reliant, states need to expand scope of skill development programme: PM Modi
- »»» PM launches 511 Pramod Mahajan Grameen Kaushalya Vikas Kendras in Maharashtra
- »»» Rajeev Chandrasekhar launches Heartland Tripura project for skill development training
- »»» How skill training can solve top challenges in the Indian job market
- »»» Orientation Programme Held On Entrepreneurial Skills And Development
- »»» Odisha Govt Formulates Rs 385-cr Skill Development Scheme
- »»» Management & Entrepreneurship and Professional Skills Council (MEPSC) and Magic Bus India Foundation Signs MoU to Equip and Empower Youth
- »»» AI-powered learning: Revolutionising employee skill development
- »»» 8 Open-Source Projects on GitHub for Skill Development
- »»» MSME D&FO start Entrepreneurship Skill Development Prog in Srinagar
- »»» Competency-Based Education: Rethinking Curriculums for Skill Development
- »»» India equipping its youth with skills and education to harness emerging opportunities: PM Modi
- »»» MSDE organized a one-day workshop on the implementation of skill development under the PM Vishwakarma Scheme
- »»» 5-day life skills training commences at SKUAST-K(Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir)

»»» Messe Stuttgart enters Indian market with the launch of DIDAC Skills

»»» India is global leader in AI skill penetration: Stanford University's AI Index Report 2023





# UPCOMING EVENTS

## आगामी आयोजन



### CSIR Skill Development Programs of CSIR-ICR

ICR is an Institute of Chemical Sciences (ICSC) established in one of the premier biological research laboratories in India under the umbrella of Chemical Sciences and Industrial Research (CSIR). CSIR-ICR has started the CSIR integrated Skill Development Program under the scope of "Skill India" mission of Government of India by offering number of skill development courses. The courses are aimed at enhancing the employability of Chemical Sciences graduates and providing them exposure to various sectors to become highly skilled workforce in India.

#### Highlighted Courses

- Clinical Biochemistry, Microbiology and Pathology Techniques for Biomedical Applications
- Advanced Instruments for Clinical Applications
- High-end equipments for clinical applications: Fluorescence Spectroscopy
- High-end equipments for clinical applications: Optical Microscopy
- Separation Techniques (Organic molecules)
- High Performance Liquid Chromatography
- X-Ray Crystallography (Protein molecules)
- Molecular Cloning, Protein Expression and Structural Characterization
- Real Time RT-PCR
- NMR Spectroscopy
- Gas Chromatography - Mass Spectrometry
- Liquid Chromatography - Mass Spectrometry
- Crystal Structure Determination and 3D structure reconstruction

For more details visit [www.csir-icr.ac.in](http://www.csir-icr.ac.in)

### One Day Workshop on Introduction to Mathematical Modelling with Ordinary Differential Equations

2<sup>nd</sup> November 2023

**About the workshop:**  
The workshop aims to provide training for faculty and students on introduction to mathematical modelling with ordinary differential equations using Python. The workshop will cover model construction, solving differential equations (analytical and numerical), parameter variation, and stability analysis, explained using examples from biological systems. The basics of Python required to implement the models will be briefly covered at the start of the workshop.

**Speakers:**  
Dr. Pranay Goel is an Associate Professor at IISER Pune. He is interested in studying biological systems using mathematical (analytical, computational, and algorithmic) approaches. His main focus areas are mathematical physiology and type 2 diabetes. He is also interested in data science, and predictive modeling for healthcare and precision (personalized) medicine.

Dr. Chetan Gadgil is a Chief Scientist and Head of the Chemical Engineering Department at IITM. He is also associated as a Scientist with IISER, New Delhi. His research interests include using mechanistic-based mathematical modelling to understand biological systems to study signal transduction, target identification, disease, and drug delivery.

**Organized by:**  
DBT-Bioinformatics Center and CSIR-NCL SDP

**Venue:** SSBET Auditorium, PAML, CSIR-NCL, Pune  
**Date:** 2<sup>nd</sup> November 2023  
**Time:** 9:30 am - 5:30 pm

**Registration link:** <https://forms.gle/3vYvT1H8t0c0v045>  
**Deadline for registration:** 29<sup>th</sup> October, 2023  
**No Registration Fee.**

### CSIR-Skill Development Training Program on "Workshop on Biophysical and Microbiological Techniques" (BMT-2023)

8<sup>th</sup> - 10<sup>th</sup> Nov 2023

**Environment and Sustainability Department CSIR-Institute of Minerals and Materials Technology Bhubaneswar, Odisha**

#### Workshop Highlights

- Self-assessment and theoretical characterization of DNA nanostructures
- Metal-induced conformational change in DNA and proteins
- Synthesis of chemically-biotinylated and biologically-interfaced
- cDNA synthesis, PCR, RT-PCR and Real-time PCR
- Isolation and culturing of algae for extracellular polymeric substance extraction
- Isolation of bioactive producing bacteria from mine samples
- Culturing of *Acetobacter* sp., a chemolithotroph for extraction of copper from low-grade ores

**Course Fee:** 3000/- Course fee can be paid by online payment to A/C No: 30307747173, SFC CODE: ISIRI007049, Name of Bank: State Bank of India, Eligibility: Bachelors, Masters, PhD Scholars, Faculties

**Registration link:** <https://forms.gle/3vYvT1H8t0c0v045>

### CSIR - Integrated Skill Initiative WORKSHOP ON BASICS OF PRE-CLINICAL SAFETY TESTING: THE WHY AND HOW

November 02 - 23, 2023 (03 weeks)

**Last Date for registration: 27/10/2023**

**Learn with us -**

- Basics of GLP practices
- Prevention to Cruelty Act of 1960
- CCSEA and IARC requirements
- Selection of appropriate toxicity/safety studies, test system, dose and route of exposure
- Basics of toxicity studies and their different types
- Introduction to alternate animal models

**Who can attend:**  
• Master/doctoral students (Pursuing/Completed)

**Course Coordinator:**  
Dr. Ashish Dwivedi  
Dr. Dharendra Singh

**E-Certificate will be provided to all participants**

**Registration Fee:**  
• Registration Fee: 5,000/-  
• Industry Fee: 10,000/-

**Registration link:** <https://forms.gle/3vYvT1H8t0c0v045>

## NEWS CLIPPINGS

### न्यूज़ क्लिपिंग

### 'सीएसआईआर-सीडीआरआई ने केस को ड्रग्स हेतु नवीन वैधानिक कानून के लिए बेंगलूर स्थित संसद अल्पक के साथ हथ मिलवाया'

'संसद अल्पक' की अध्यक्षता में संसद अल्पक के अध्यक्ष आरिफ खान द्वारा एक बैठक का आयोजन, जिसमें केस को ड्रग्स हेतु नवीन वैधानिक कानून के लिए बेंगलूर स्थित संसद अल्पक के साथ हथ मिलवाया गया।

यूएफ के आर कायदे के अंतर्गत, सीडीआरआई ने केस को ड्रग्स हेतु नवीन वैधानिक कानून के लिए बेंगलूर स्थित संसद अल्पक के अध्यक्ष आरिफ खान के साथ बैठक का आयोजन किया। बैठक में, सीडीआरआई के अध्यक्ष आरिफ खान ने सीडीआरआई के अध्यक्ष आरिफ खान के साथ बैठक का आयोजन किया।

सीडीआरआई के अध्यक्ष आरिफ खान ने सीडीआरआई के अध्यक्ष आरिफ खान के साथ बैठक का आयोजन किया।

### PCB greenlights CSIR-NEERI study to develop tech to prevent sewage pollution of waterbodies

The Council of Scientific and Industrial Research (CSIR) has greenlighted a study to develop technology to prevent sewage pollution of waterbodies. The study is being conducted by CSIR-NEERI, Nagpur.

The study aims to develop a cost-effective and sustainable technology for the treatment of sewage sludge. The technology will be used to prevent the pollution of waterbodies by sewage sludge.

The study is being conducted by CSIR-NEERI, Nagpur. The study is being funded by the Government of India.

### महत्वपूर्ण फसलों के विषय पर एक कौशल विकास कार्यक्रम संघ

परिभाषा, (आयुक्त फसल) सीएसआईआर-सीडीआरआई ने महत्वपूर्ण फसलों के विषय पर एक कौशल विकास कार्यक्रम संघ का आयोजन किया।

कार्यक्रम में, सीडीआरआई के विशेषज्ञों ने किसानों को महत्वपूर्ण फसलों के उत्पादन और बिक्री के बारे में जानकारी दी।

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### निर्माण में नई तकनीकों अपनाएं

सीडीआरआई ने निर्माण में नई तकनीकों को अपनाने के लिए एक कार्यक्रम का आयोजन किया।

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### स्कूलों से लेकर यूनिवर्सिटीयों तक में बन रहे कौशल सेंटर पढ़ाई के साथ वोकेशनल ट्रेनिंग पर सरकार का जोर

सरकार और प्राइवेट दोनों तरह के संस्थान शामिल हैं इस योजना में

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### वैज्ञानिक बनने की दिशा में करें प्रयास: सीडीओ

विकास भवन में आयोजित कार्यक्रम में मौजूद सीडीओ पूर्ण बोरा।

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### Tripora youths' talent will become like magnet for investments in coming years : Chandrasekhar

Union Minister of Skill Development & Entrepreneurship, Rajeev Chandrasekhar, said that the talent of Tripura youths will become like a magnet for investments in coming years.

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### Union minister Rajeev Chandrasekhar unveils skill training programme in Tripura

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## USEFUL LINKS उपयोगी लिंक्स

<https://www.csir.res.in/csir-labs-units>

<https://msde.gov.in>

<https://nsdcindia.org>

<https://ncvet.gov.in>

<https://www.education.gov.in>

<https://www.nqr.gov.in>

### CSIR-Human Resource Development Centre (Skill Nodal Office)

Sector -19, Central Govt. Enclave,  
Kamla Nehru Nagar  
Ghaziabad- 201002 (UP) India

e-mail: head[at]csirhrdc[dot]res[dot]in  
Tele-Ph.: +91-120-2788940/2785053

### सीएसआईआर-मानव संसाधन विकास केंद्र (कौशल नोडल कार्यालय)

सेक्टर -19, केंद्र सरकार एन्क्लेव,  
कमला नेहरू नगर  
गाजियाबाद- 201002 (यूपी) भारत

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