19th Chhattisgarh Young Scientist Congress
Jointly Organized by
National Institute of Technology Raipur
and
Chhattisgarh Council of Science & Technology

Biotechnology, Biochemistry, Bioinformatics and Biomedical Sciences

Call for Paper

CYCS 2024 serves as a pivotal platform for the exchange of knowledge and discoveries in Environmental Sciences, Engineering, and Forestry. Facilitating collaboration between academia and industry, this program fosters discussions on the latest developments, fostering innovation and sustainable solutions in these fields.

AREA OF RESEARCH

- **Bioinformatics and Computational Biology in Biotechnology:** Bioinformatics Tools and Databases, Structural Bioinformatics, Protein Structure Prediction and Modeling, Genomics, Proteomics, Metagenomics, Transcriptomics and Gene Expression Analysis, Genome Sequencing and Analysis, Machine Learning in Bioinformatics, and its applications in drug discovery and systems biology and so on.

- **Biochemistry:** Protein Folding and Misfolding: Metabolic Reprogramming in Disease, Protein-Protein Interactions and Cellular Signaling Networks, Metabolomics and Personalized Medicine, Redox Biology and Oxidative Stress, Biochemical Insights into Neurological Disorders, Enzyme Engineering for Biotechnological Applications, Biochemical Basis of Aging and so on.

- **Biomedical Imaging and Biomedical Signal Processing**: Biomedical signal processing, EEG, ECG, PPG, EMG, speech etc., Computational neuroscience, AI in healthcare, Medical image processing and analysis, ultrasound, CT, MRI, X-ray and so on.

- **Biomedical Devices:** Biosensors for Point-of-Care Diagnostics, Implantable Medical Devices and Biocompatibility, Wearable Health Technologies and Remote Monitoring, Smart Drug Delivery Systems, Biomechanics and Biorobotics, 3D Printing in Biomedical Devices, Tissue Engineering and Regenerative Medicine Devices, Nanosensors and Diagnostics, Nanotechnology in Biomedical Devices and so on.

- **Stem Cell Research and Regenerative Medicine:** Stem Cell Therapies for Disease treatment, Stem Cell-Based Therapies in Autoimmune Diseases, Tissue Engineering and Organ Regeneration, Biomaterials for Stem Cell Delivery, Induced Pluripotent Stem Cells (iPSCs) in Disease Modelling, and regenerative therapies for various medical applications, and so on.

- **Applied Biotechnology:** Environmental Biotechnology, Bioremediation, Waste management, and the development of eco-friendly technologies of environmental remediation, Industrial Biotechnology Fermentation Technology for Food Processing, Precision Agriculture and Biotechnology and so on.

- **Nanobiotechnology:** Nanomedicine focusing on targeted drug delivery systems, nanoscale imaging techniques, and nanotherapeutics for treating various diseases, Nanotoxicology nanotechnology applications in agriculture, and so on.

- Other related areas.

IMPORTANT DATES

- Last date of abstract & full Paper Submission **31st January 2024**
- Date of confirmation **15th February 2024**

INCENTIVES TO AWARDEE

- A certificate with a cash prize of ₹ **21000.00**.
- Single visit shall be provided for pursuing his/her research work in any National laboratory/Research Center/ Recognized University engaged in advanced research in India for two months duration.
- Awardees will be eligible for TA/DA during their stay in research establishment as per the norms of the council. He/she has to avail the facility within two years of receiving the award.

ELIGIBILITY CRITERIA

✓ Age on 28 February 2024, should be below 35 years for male and female candidates.

✓ Minimum research experience of two years after obtaining a post-graduate degree in the science subjects listed above or a bachelor's degree in the case of medical/ engineering/ technology subjects.

✓ An original research paper only with a single authorship will be acceptable.

✓ The research work should be carried out in the institutions located in the State of Chhattisgarh and not presented/ published elsewhere.

✓ Awardees of previously held Chhattisgarh Young Scientist Congress shall not be eligible for participation, for a period of three years, from the date of the last award.

✓ Research work must be original, plagiarism free and done by the submitting author only. Work only submitted through the following conference management system will be considered for further review.

✓ https://cmt3.research.microsoft.com/CYSC2024

REGISTRATION DETAILS

- Registration Link: **https://cysc2024.nitrr.ac.in/** ; Registration Fees: ₹ **500.00**
- Paper/Abstract submission is free in CYSC2024 but after acceptance notification registration fees of ₹ 500/- (Five Hundred Only) is required pay in online mode only.
- The abstracts of accepted and presented papers will be published in the CYSC proceedings.

ADDRESS FOR CORRESPONDENCE

CYSC 2024 Conveners:
Dr. Dilip Singh Sisodia, Department of CSE, NIT Raipur
Dr. Rakesh Tripathi, Department of IT, NIT Raipur
Dr. (Mrs.) Joyce K Rai, Chhattisgarh Council of Sc. & Tech.
Theme Coordinators:
Dr. Sharda Bharti, Dept. of Biotechnology, NIT Raipur (Contact: +91 8779222600).
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Address: CYSC2024 Secretariat, Department of Computer Science and Engineering, National Institute of Technology Raipur, G.E. Road, Raipur, Chhattisgarh - 492010
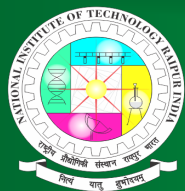**Email Id:** cysc2024@nitrr.ac.in

For more details visit - **https://cysc2024.nitrr.ac.in/**

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26th - 27th February, 2024

GUIDELINES FOR PREPARING ABSTRACT & FULL PAPER

Research papers are invited from Research Fellows, Post Doctoral Fellows, National Associates and Faculty Members working in any recognized private, government

ABSTRACT

- Abstract must be of minimum 100 words and maximum 250 words of original research work is to be submitted.

Abstract must be in the following pattern:

- Subject/discipline, under which it is to be included, should be written on top left corner.
- Title in capital and bold letters, font size 14.
- Name, institution, e-mail address font size 12.
- Page Size A4, Single Space, Font: Times New Roman.

FULL PAPER

- Title
- Name/Institutional Address/Email id
- Abstract
- Introduction
- Related works
- Experimental details, methods, materials etc.
- Observation and results
- Discussion
- Acknowledgement
- Reference according to the guidelines of Elsevier Publishers.
- The paper must indicate the discipline under which it is to be considered

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ENCLOSURES TO BE ATTACHED

- Proof of Payment of registration Fee
- Proof of age (10th class marksheet/certificate)

Enclosed the following documents in the formats available at CYSC2024 website

- Biodata (one page only)
- Undertaking from participant
- Certificate from Supervisor & Head of the Department/ Institute

INSTRUCTION FOR PAPER

- ✓ **https://cmt3.research.microsoft.com/CYSC2024**
- ✓ Use your existing Microsoft CMT (above link) login credentials (User ID & Password), if you don't have then create login credentials using your valid email ID.
- ✓ After login click on **"All Conferences"** Button on homepage and search for CYSC2024
- ✓ Click "19th Chhattisgarh Young Scientist Congress"
- ✓ Click on the **"Create New Submission"** button to start submission and fill all the mandatory fields like title, abstract, keywords, author details, select only any one subject area of your research paper and upload full paper then click on the **"Submit"** Button.

STEPS FOR PAPER SUBMISSION

https://cmt3.research.microsoft.com/CYSC2024