

**NATIONAL SEMINAR ON  
CHALLENGES & OPPORTUNITIES IN LIFE SCIENCES**

**APRIL 20, 2018**

**PROGRAMME**

|                             |                             |  |             |
|-----------------------------|-----------------------------|--|-------------|
| Registration                | 09.00 AM to 10.00 AM        |  |             |
| Inauguration                | 10.00 AM to 11.55 AM        | Arrival of Dignitaries on the dais and Honor of the Dignitaries  | 10.00-10.05 |
|                             |                             | Lighting of the Lamp   | 10.05-10.10 |
|                             |                             | Overview of Seminar by Dr. Manoj Kumar (Head-CLS & Convenor)   | 10.10-10.15 |
|                             |                             | Address by Prof. S. Medekar (Dean, Natural Sciences & Chairman)  | 10.15-10.20 |
|                             |                             | Address by Hon'ble Vice-chancellor, CUJ  | 10.20-10.30 |
|                             |                             | Address by Prof. K.K. Nag; Guest of Honor  | 10.30-10.50 |
|                             |                             | Keynote lecture 1: Prof. Santosh Kumar, Dean and Ex-Head-Botany Department, BR Ambedkar Bihar University, Muzaffarpur<br>Title: Plant Microbe Interaction for Sustainable Amelioration in Agriculture and Health Sectors | 10.50-11.20 |
|                             |                             | Keynote lecture 2: Dr. Roma Yadav, JNMC, Bhagalpur<br>Title: Is stem cell treatment really promising?  | 11.20-11.50 |
|                             |                             | Vote of Thanks by Dr. Ashish Sachan (Associate Professor-CLS & Co-convenor)  | 11.50-11.55 |
|                             |                             | National Anthem  |             |
| High Tea                    | 11.55 AM to 12.15 PM        | High Tea   |             |
| <b>Scientific Session</b>   | <b>12.15 PM to 04.00 PM</b> |  |             |
| Lecture 1                   | 12.15 PM to 12.45 PM        | Prof. Kunal Mukhopadhyay, BIT Mesra<br>Title: Molecular mechanism of wheat breeding against epidemic rust  |             |
| Sensitization Programme AMI | 12.45 PM to 01.15 PM        | Prof. Ramesh Chandra, Secretary, AMI Jharkhand Chapter<br>Interactive session from Association of Microbiologist of India (AMI), Jharkhand Chapter   |             |
| Lunch                       | 01.15 PM to 02.00 PM        | Lunch  |             |
| Lecture 2                   | 02.00 PM to 02.30 PM        | Prof. Pratyosh Shukla, Head-Microbiology Department and AMI-Secretary, Maharshi Dayanand University, Rohtak-HR<br>Title: Computational and systems biology perspectives: An integrative research approach                |             |

|                                |                             |   |
|--------------------------------|-----------------------------|---|
| Lecture 3                      | 02.30 PM to 03.00 PM        | Dr. Anshumali, Associate Professor, Environmental Sciences, IIT (ISM), Dhanbad<br>Title: Biogeochemical Assessment of Nutrient Dynamics in Agricultural Soils |
| Poster Session & Tea           | 03.00 PM to 04.00 PM        | Poster Session  |
| <b>Valedictory session</b>     | <b>04.00 PM to 04.45 PM</b> |   |
|                                | 04.00 PM to 04.20 PM        | Address by Dr. T.R. Sharma, Director, IIAB Ranchi   |
| Prize/Certificate Distribution | 04.20 PM to 04.30 PM        |   |
| Vote of Thanks                 | 04.30 PM to 04.45 PM        | Dr. Praveen Kumar Sharma  |

## CENTRAL UNIVERSITY OF JHARKHAND

The President of India gave assent to The Central Universities Act, 2009 that envisages establishing and incorporating universities for teaching and research in the various states. The Central University of Jharkhand came into being under Act on 1st of March, 2009. CUJ's focus is on research in cutting-edge technologies. Our vision is to create a world class students ready to excel in every chosen field with honour and uprightness. At CUJ, we strive hard to turn knowledge to wisdom in order that society finally gains a useful citizen to guide and mould its destiny. This we plan to do through many compulsory community-based projects, interactions with a wide cross-section of people from within our country and outside it and innovations in the teaching-learning processes.

## CENTRE FOR LIFE SCIENCES

The Centre for Life Sciences was started in July 2010, under the School of Natural Sciences and initially it offered 5 year Integrated Course in Life Sciences having an intake capacity of 40 students. PhD Programme in centre was started in 2012. Since 2017, this centre has started M.Sc. Life Sciences programme. The future plans of this centre include extensive interdisciplinary research programmes by students and faculties in various areas of Biology. The centre's main endeavour is to achieve excellence in teaching and learning by research. The centre is promoting collaborative activities at national and international level. The Centre for Life Sciences is committed to serving the academic community and public at large through its outreach initiatives like basic and translational research in the field of food security, sustainable environmental development and health care. Faculty member of the Centre are actively engaged in R&D funded by various Government Agencies. Among the prestigious DBT-GOI funded DBT-Builder programme.

## ABOUT THE CONFERENCE

The rationale of nucleating this conference is to bring together leading academician, scientists, government policy makers, people from Life Sciences, industrial and research scholars in one platform and share their experience and research work in the field of various domain of Life Sciences. Interactive sessions shall allow the participants to question and explore the emerging sustainable biotechnologies and assess their implications on the society and environmental resources as a whole. High-level plenary discussions will provide access to gain value information and insights from experts on what is coming down the road.

## CALL FOR PAPERS

Original contributions are invited in any of the thrust area listed below for poster presentation in the conference.

## THEMES

The coverage of the conference will include areas like:

- Plant Tissue Culture and Agriculture Biotechnology
- Bioprocess Technology
- Applied Microbiology
- Environmental Biology
- Neurobiology
- Cancer Biology
- Bioremediation
- Animal and Plant Physiology
- Immunobiology
- Molecular Biology and Genetic Engineering
- Genomics, Proteomics and Metabolomics
- Bioinformatics and System Biology
- Nanobiotechnology
- IPR, Biosafety and Bioethics

## ORGANIZING COMMITTEE

**Patron:** Dr. Prof. Nand Kumar Yadav 'Indu', Hon'ble Vice-Chancellor, Central University of Jharkhand

**Chairman:** Dr. S. Medhekar, Dean, School of Natural Sciences, Central University of Jharkhand

**Convenor:** Dr. Manoj Kumar, Head, Centre for Life Sciences, Central University of Jharkhand,

**Co-convenor:** Dr. Manoj Kumar, Professor & Head, Centre for Environmental Science, Central University of Jharkhand; Dr. Ashish Sachan, Associate Professor, Centre for Life Sciences, Central University of Jharkhand

**Organizing Secretary:** Dr. Praveen Kumar Sharma, Assistant Professor, Centre of Life Sciences, Central University of Jharkhand

**Coordinators:** Dr. (Mrs.) Hina Firdaus, Dr. Anil Kumar, Dr. (Mrs.) Pallavi Sharma, Dr. Aditya K. Panda, Dr. Vineet Shrivastava

**Treasurer:** Dr. Raj Kishore Mishra, Assistant Professor, Centre For Life Sciences Central University of Jharkhand

## REGISTRATION

| Participants From | Upto April 15, 2018 (₹) | Spot Registration (₹) |
|-------------------|-------------------------|-----------------------|
| Academic/ R&D     | 750/-                   | 1,000/-               |
| Student           | 250/-                   | 500/-                 |
| Industry          | 1,000/-                 | 2,000/-               |

Boarding and lodging will be provided upon request in the Guest House of the University (subject to availability) at ₹ 1,000/- per day to participants who register upto April 15, 2018. Registration fee should be sent through Demand Draft in favour of "Conference CLS, Central University of Jharkhand" payable at Ranchi, India.

The registration fee excludes accommodation and includes Lunch on 20<sup>th</sup> April 2018. Accompanying person should register separately.

## IMPORTANT DATES & DEADLINES

**Call for Abstracts:** **March 25, 2018**

**Abstract Submission :** **April 15, 2018**

**Notification to Authors:** **April 16, 2018**

**Date of Seminar:** **April 20, 2018**

## POSTER PRESENTATION

All abstract will undergo a single-blind peer review process by three reviewers and accepted abstract will be notify to corresponding author. Authors should present their poster in a given format on 20<sup>th</sup> April 2018 at the venue.

## SUBMISSION OF ABSTRACTS

Abstracts should be within 250 words, typed in single space and directly sent to the Organizing Secretary along with the Registration Form. An electronic copy of the abstract in MS-Word (12 points, Times New Roman) must be submitted by Email (conference.cls@cuja.ac.in) attachment for speedy review. The abstract must discuss in brief the method, results, discussion and significance of the work in the field.



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**REGISTRATION FORM**

**Personal Details:**

Name of the Participant.....  
Affiliation.....  
Mailing address.....  
.....  
Telephone..... Fax.....  
Email.....

Title of the poster.....  
.....  
.....

If you need a participation certificate, please write exactly how you would like us to print your name:  
\_\_\_\_\_ (Use CAPITAL letters)

**REGISTRATION FEE SCHEDULE:**

| <u>Upto April 15, 2018</u> | <u>Spot Registration</u> |
|----------------------------|--------------------------|
| <b>Participants from:</b>  |                          |
| Academic/R&D ₹ 750/-       | ₹ 1000/-                 |
| Student ₹ 250/-            | ₹ 500/-                  |
| Industry ₹ 1000/-          | ₹ 2000/-                 |

(A certificate of student status is needed from the respective Head of the Department)

**ACCOMMODATION DETAILS**

Accommodation required  Yes  No  
Type of Accommodation  Campus  Hotel  
Check-in date \_\_\_\_\_ Check-out date \_\_\_\_\_

Please confirm the availability and the accommodation fees with the organizers (Please check the website for detail)

**TOTAL AMOUNT TO BE ENCLOSED ₹** \_\_\_\_\_

D.D. Number \_\_\_\_\_ Bank: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Registration and accommodation fees along with the Registration form and Demand Draft in favor of "Conference CLS, Central University of Jharkhand" payable at Ranchi, India should be sent to correspondence address.



**CORRESPONDENCE ADDRESS**

**Dr. PRAVEEN KUMAR SHARMA**

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**Organized by**

**CENTRE FOR LIFE SCIENCES  
SCHOOL OF NATURAL SCIENCES  
CENTRAL UNIVERSITY OF JHARKHAND**  
(Established by an Act of Parliament of India, 2009)  
**RANCHI – 835 202, JHARKHAND, INDIA**