

# INTERNATIONAL CONFERENCE

ON

## WATER-ENERGY-AGRICULTURE-NEXUS FOR CLIMATE EMERGENCY

07<sup>TH</sup>- 08<sup>TH</sup> APRIL, 2020



**ORGANIZED BY:**  
**DEPARTMENT OF ENVIRONMENTAL SCIENCES**  
**CENTRAL UNIVERSITY OF JAMMU**  
**RAHYA SUCHANI (BAGLA), DISTRICT SAMBA**  
**JAMMU AND KASHMIR, INDIA – 181143**

## **ABOUT THE UNIVERSITY**

The Central University of Jammu came into existence on August 08, 2011, with the appointment of the first Vice-Chancellor. It was established by the Central Universities Act, 2009 (Act No.25 of 2009 read with the Central Universities Act, 2009). The university has 21 Departments working under different schools. The Central University of Jammu campus is located at Village Rahya Suchani (Bagla), District Samba, which is at an approximate distance of 25 Kms. from Jammu.

## **ABOUT THE DEPARTMENT**

The Department of Environmental Sciences (EVS), established in 2012, is offering M.Sc. and PhD. in Environmental Sciences. The Department is focusing to conduct quality research and education in this very relevant field of science. The Department is committed to research innovations through constant review, revision and to keep pace with the advances made in the discipline, emerging areas of research and development and the new technologies to understand and ameliorate environmental problems. The present curriculum conforms to the Choice Based Credit System recommended by the UGC wherein the students have been given choice to specialize in various specialized courses. The Department has major and minor research projects funded from UGC & DST enhancing the research quality and infrastructure.

## **ABOUT THE CONFERENCE/ THEME OF THE CONFERENCE**

The world is facing challenges in the area of water, energy and agriculture. To fulfill the basic requirements for life, human activities impose a serious stress over the environment which in severe cases may lead to unstable climatic conditions that often results climatic emergency. Climatic Emergency is a situation when an urgent action is required to reduce or halt climate change and avoid potentially irreversible environmental damage resulting from it. To meet the present generation needs, resources should be used judiciously and in a sustainable way which is essentially by means of sustainable engineering i.e. by utilizing natural laws and physical resources in order to design and implement materials, structures, machines, devices, systems, and processes that meet human need while preserving the environment forever. The linkages among biodiversity, economic growth and development are well recognized in the global sustainable development agenda. The 2030 agenda for sustainable development highlights that biodiversity and healthy ecosystem are foundations for sustainable development. Sustainability should focus on people, planet and prosperity. Eradicating poverty and providing health and education in all its forms and dimensions is the greatest global challenge and an indispensable requirement for sustainable development and clean climate with focus on agro-economy and bio-economy.

### **Thematic areas**

- ✓ Strategies and Technologies for Sustainable Development
- ✓ Impacts of Climate change on Agriculture
- ✓ Water Resources and Climate
- ✓ Biodiversity Conservation and Management
- ✓ Remote Sensing and their Applications for Sustainability
- ✓ Renewable and Non-Renewable Resources
- ✓ Bioenergy Resources: Future Prospects and Challenges
- ✓ Environment, Religion and Culture
- ✓ Environmental Impact Assessment
- ✓ Policies for Agro-economy and Bio-economy
- ✓ Climate and Microbial Sciences
- ✓ Human Health and Environment
- ✓ Climate Change and its Impact on Himalayan Cryosphere
- ✓ Land Degradation and their impacts on resources
- ✓ Natural Disasters and Mitigation

## **ABOUT JAMMU**

Jammu city is the largest city of the Jammu region situated at the banks of the popular river Tawi. Owing to the large number of historical temples located within the city, it is also known as the City of Temples. The city is well connected with other cities by air, train and road.

The Tourism is the largest industry in Jammu. Millions of devotees visit Jammu in connection with the holy pilgrimage to Mata Vaishno Devi Shrine and is also a base for the holy Amar Nath Yatra. The places of interest for sightseeing at Jammu include old historic places like Amar Mahal, Mubarak Mandi, Bahu Fort, Raghunath Temple, Ranbireshwar Temple, Peer Kho, Mahamaya temple and many more.

**Nearby places to visit:** Shri Mata Vaishno Devi (70 km), Patnitop (126 km), Shiv Khori (130 km), Mansar Lake (44 km), Surinsar Lake (44 km)

### **CHIEF PATRON**

Sh. Gopaldaswami Parthasarathy, Chancellor, Central University of Jammu

### **PATRON**

Professor Ashok Aima, Vice-Chancellor, Central University of Jammu

### **CHAIRPERSON**

Prof. Deepak Pathania

### **CO-CHAIRPERSON**

Prof. Sunil Dhar

### **CONVENORS**

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Dr. Anita Singh

### **ORGANIZING SECRETARIES**

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Dr. Shweta Yadav

Dr. Dinesh Kumar

### **ORGANIZING TEAM**

Sonia, Zahid, Anjali, Gagandeep, Kiran, Arti, Kajol, Bhawna, Indica, Shivali

### **TREASURER**

Mr. Talwinder Singh

### **ADVISORY COMMITTEE**

Prof. Devanand, Department of Computer Science & IT, Central University of Jammu

Prof. Brijmohan Singh, Department of Botany, Central University of Jammu

Prof. Musthaq Ahmed, Department of Molecular Biology, Central University of Jammu

### **INTERNATIONAL ADVISORS**

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Prof. Raj Kumar Rampal, Jammu University, Jammu & Kashmir

Prof. Umesh K. Singh, Central University of South Bihar, Bihar

Prof. Anshumali, IIT (ISM), Dhanbad, Jharkhand

**Target group:** Young graduates, Researchers, Scientist, Academicians from various science streams, experts from various aspects of Environmental Sciences.

**Abstract:** Interested participants are requested to send their abstracts to the [weance2020@gmail.com](mailto:weance2020@gmail.com) in 500 words with 12 font & 1.5 spacing with proper affiliation.

**Awards:** Best Poster and Paper Presentation award as per the thematic session in the conference will be given.

**Accommodation:** On payment basis only.

**Registration Fees:** Registration forms along with (Non-refundable) registration fee, should be sent to the Convener by **March 20, 2020**.

| <b>Registration fees</b>   |  |                             |
|----------------------------|--|-----------------------------|
| <b>Delegates</b>           | <b>Fees (Early bird) Before March 20, 2020</b> | <b>On spot registration</b> |
| Foreign delegates          | 100 USD  | 150 USD                     |
| Faculty/ Industry partners | 1200 INR                                       | 1500 INR                    |
| Research Scholars          | 800 INR  | 1000 INR                    |
| Students                   | 300 INR  | 500 INR                     |

### **Mode of Payment:**

**Offline mode:** Demand Draft in favor in “Head, Department of Environmental Sciences”, payable at Jammu. **Online mode:** NEFT/IMPS/RTGS; **Bank Details:** J&K Bank, **Account no.:** 0902040500000028; **IFSC code-** JAKA0RAHYAA; **MICR code-**180051114

**Important dates:**

Dead line for abstract submission: February 28, 2020  
Acceptance of abstract: March 15, 2020  
Registration Deadline: March 20, 2020  
Send your all correspondence at Email Id: [weance2020@gmail.com](mailto:weance2020@gmail.com)

**Contact:**

Convenors, WEANCE -2020  
Email: [weance2020@gmail.com](mailto:weance2020@gmail.com)  
Contact no.: 09469074762; 08493930677; 08492809001

**How to reach:**

**By Road:** Jammu is connected to other major cities of the state of Haryana, Uttarakhand, Punjab and Delhi via road. From bus stand, one can hire taxi to reach university.

**By Train:** The alternative to reach University is to travel by train. Jammu is one of the largest station in J&K connected to all major Railway station of India. From station, one can hire taxi to reach university.

**By Air:** Jammu is one the major airport in Northern part of the country. Hire taxi or bus to reach university.

**REGISTRATION FORM**

**International Conference on Water-Energy-Agriculture-Nexus for Climate  
Emergency**

**07<sup>th</sup>-8<sup>th</sup> April 2020**

**Name: Prof./Dr./Mr./Ms.** .....

**Designation:**.....

**Organization:**.....

**Mailing Address:**.....

**Email :**.....

**Presenting a paper: Yes / No**

**Title of the paper:** .....

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