

High End Workshop (KARYASHALA)

on

“Disaster and Climate-Resilient Pathways: Adaptation, Mitigation and Sustainable development”

(under Accelerate Vigyan Scheme- A SERB Initiative)

December 07-13, 2022

About the BSIP

The Birbal Sahni Institute of Palaeosciences (BSIP), Lucknow is an autonomous research organization under the aegis of the Department of Science and Technology (DST), Ministry of Science and Technology, Government of India. BSIP is known for its path-breaking research in multidisciplinary and innovative areas of basic and applied sciences. The main research work involves the understanding of plant evolution through geological time. The Institute has been playing a vital role in understanding the past climatic and environmental changes using multiproxy studies such as palynology, dendrochronology; geochemistry, archaeobotany as well as ancient DNA etc. The museum of the Institute offers a rich repository of fossils collected from India and received from around the globe.

About the Workshop

“KARYASHALA” is an august endeavor of the Government of India launched by the Science and Engineering Research Board (SERB), New Delhi under the Accelerate Vigyan Scheme. This scheme aims to advance research productivity of promising PG and PhD students from universities and colleges through high-end workshops on specific themes. This program would offer a great opportunity to the students to acquire specialized research skills and to strengthen mechanisms for identifying research potential in various scientific research pursuits. The objectives of the workshop are: -

1. **To foster advance research and education programs focusing on building climate resilience and disaster risk reduction.**
2. **To bring together young researchers, students as well as disaster risk and climate change experts jointly to strengthen cooperation, links and synergies to address current and future impacts of climate change and disasters on human life, livelihood and to address underlying causes of vulnerability.**
3. **To sensitize the participants in the potential and scope of nature-based solutions, remote sensing, GIS for holistic disaster risk reduction and climate resilience.**
4. **To assess the new perspectives and challenges that climate change brings to the disaster risk management field.**

Sponsored by

Science and Engineering Research Board, New Delhi



Organised by

Birbal Sahni Institute of Palaeosciences, Lucknow



WHO CAN ATTEND ?



“Karyashala” is open to postgraduate students/research scholars from all Institutes, Colleges and Universities. Preference will be given to the students having interest towards theme of the workshop. There is no registration fees.

Post Graduate students preferably in final year or final semester in **Botany, Environmental Science, Life Sciences, Disaster management and Geology.**

The PhD students preferably pursuing the first year of their course or intend to pursue research in any aspect of climate change and disasters are also eligible.

The maximum number of participants is limited to 25 only, selection will be done on merit basis.



Apply through:

Google Form Registration Link-

<https://forms.gle/esS4EqwgfNCQjzJw7>

Registration Guidelines

- ❑ Read the instructions carefully and fill the registration form (link below), including the Letter of Authentication and No Objection Certificate.
- ❑ **Only selected candidates will be informed by email.**
- ❑ The selected candidates will have to accept the offer to participate in the workshop through return email, failing which the wait-listed candidates may be called for the workshop.
- ❑ **The selected candidates will be provided travel support (AC 3 tier by shortest route), accommodation and fooding as per GOI norms.**
- ❑ A certificate will be issued to the participants post successful workshop completion.

Resource persons

1. Prof. Anil Gupta, NIDM, New Delhi
2. Dr. Tuhin Ghosh, Jadavpur University, Kolkata
3. Dr. C.N Pandey, IIT Gandhinagar, Gujarat
4. Dr. Satya Singh, MoEF & CC, Lucknow
5. Dr. Sandeep Pandey, GIDM, Gujarat
6. Dr. Lokendra Thakkar, EPCO, Bhopal
7. Prof. D. S Singh, University of Lucknow, Lucknow
8. Dr. Narendra Singh, ARIES, Nanital
9. Brig. Pramod K. Singh, UPSDMA, Lucknow
10. Prof. Vinay Sehgal, ICAR, New Delhi
11. Dr. Ajay K. Agarwal, RSAC, Lucknow
12. Prof. Gauri Saxena, University of Lucknow, Lucknow
13. Dr. Bhaskar Sinha, IIFM, Bhopal
14. Prof. M.G. Thakkar, Kachchh University, Bhuj
15. Dr. Anjum Farooqui, BSIP, Lucknow
16. Dr. Shilpa Pandey, BSIP, Lucknow

Patron

Dr. Vandana Prasad

Director, BSIP, Lucknow

Event Organizer

Dr. Shilpa Pandey

Scientist – D, BSIP, Lucknow

Email: shilpa.pandey@bsip.res.in contact: 8127767930

COURSE CONTENTS

Broad topics to be addressed through eminent speakers:

- ❑ **Concepts and Issues of climate change, disaster risk reduction and sustainable development.**
- ❑ Climate change as disaster risk driver.
- ❑ **Nature based solutions to address societal challenges.**
- ❑ Climate-resilient pathways: adaptation, mitigation and sustainable development.
- ❑ **Extreme weather-related disasters.**
- ❑ Smart practices and technologies for climate resilient agriculture.
- ❑ **Disaster risk management in the complex Himalayan terrain.**
- ❑ Application of Remote sensing and GIS in disaster management.
- ❑ **Social-Ecological Resilience to Coastal Disasters**
- ❑ Role of Blue Carbon in Climate Change Mitigation
- ❑ **Women in Climate Change Solutions: A holistic and rights-based approach**



Last date for Registration -

December 01st 2022