



# **National Workshop on Geochronology**

**Inter-University Accelerator Centre, New Delhi**

**October 3 - 4, 2023**



The National Geochronology facility (NGF) at Inter-University Accelerator Centre (IUAC), supported by MoES, aims to bring to Earth Science researchers a facility that is at par with international standards and offers equal opportunity to all Earth scientists with scientific merit & innovative ideas being the only criterion. A large geometry High-Resolution Secondary Ion Mass spectrometer (HR-SIMS) and Accelerator Mass Spectrometer (AMS) with ancillary instruments will be capable of performing isotope research and dating an entire geological age spectrum from the youngest (kilo years) to the oldest (Hadean and Archean rocks and Meteorites), thus covering the geological history of the Earth.

Under the NGF, IUAC has commissioned a large geometry HR-SIMS, AMS for  $^{14}\text{C}$ ,  $^{10}\text{Be}$  &  $^{26}\text{Al}$ , Fs-LA-HRICPMS, Q-ICPMS, XRD, XRF, FE-SEM and various sample processing facilities. IUAC has been organizing workshops to make the Geoscience researchers aware of the research infrastructure available at IUAC and for the capacity building to generate trained human resources in the country. In this series, IUAC is hosting a National **Workshop on Geochronology** during October 3-4, 2023, with an emphasis on capacity building.

In this workshop, Ph.D. students and Early Career Researchers (limited to 40nos.) will be trained on various aspects of chronological systematics such as how and where to use chronological systematics with research examples, Sample collection tips, tricks and tactics, the Importance of different chronological instruments, analysis and interpretation of geochronological data, analytical model/software for age calculation and their usage, etc. Various facilities will also be demonstrated during the facility visit.

**Research proposals to utilize the HR-SIMS/LA-HR-ICPMS facility are also invited during this workshop from interested researchers. Such applicants must fill the proposal form available in the application link.**

The workshop will provide a platform for researchers working in diverse fields to discuss, identify and address various scientific curiosities related to the use of isotopes in Earth, Ocean & Atmospheric Sciences. Lectures by eminent speakers, tutorials and facility demonstrations are planned in the workshop. Applications are invited from Ph.D. students and ECRs through Google form (link given below) latest by 15<sup>th</sup> September 2023. Limited travel support is available for a few participants from universities.

Application link: <https://forms.gle/4dC5WyDyBgi28mbg8>

## **Organizing Committee**

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