



DST-STUTI SPONSORED TRAINING PROGRAM

On

Biomedical Research Tools and Techniques

Organized by

**Indira Gandhi National Tribal University
Amarkantak (M.P.)**

in collaboration with

Jamia Hamdard, New Delhi

February 06-12, 2023

Venue

Department of Zoology



**REGISTRATION DEADLINE:
JAN 25, 2023, 11:59PM IST
No Registration Fee**

**For further correspondence, please contact:
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Convener and Treasurer, Department of Zoology
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INDIRA GANDHI NATIONAL TRIBAL UNIVERSITY:

Indira Gandhi National Tribal University (IGNTU) is a public central university, established by an Act (the Indira Gandhi National Tribal University Act, 2007 published in the Gazette of India, part II, section I, on 20 December 2007) of the Parliament of India. Fully funded by the Government of India through the University Grants Commission (UGC), the university was conceived with the basic idea of ensuring educational and socio-economic betterment of the 8.2% tribal population of the country. Its jurisdiction extends to the whole country, with its main campus at Lalpur, Amarkantak, in the central Indian state of Madhya Pradesh. At present, the university has above 4000 students receiving education and training in 30 departments, encompassing disciplines such as languages, natural sciences, social sciences, pharmacy and education to yoga.

ABOUT DST STUTI PROGRAM:

Synergistic Training program Utilizing the Scientific and Technological Infrastructure' (STUTI) scheme, initiative of DST, Government of India, is intended to build human resources and its knowledge capacity through open access S&T Infrastructure across the country. STUTI scheme envisions a hands-on training program and sensitization of the state-of-the-art equipment as well as towards sharing while ensuring transparent access of S&T facilities.

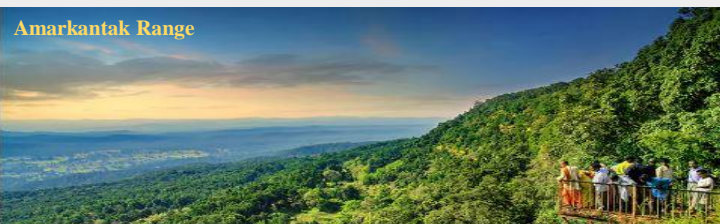
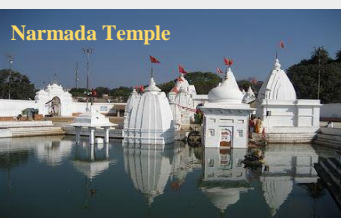
Hands on training will be provided for

- i. Animal model of neurological disorders and behavioural analysis
- ii. Immunoblotting for proteins expression and qPCR for disease diagnosis
- iii. Microscopy and IHC/IFC based study of proteins
- iv. Nanoparticles preparation and characterization
- v. Protein purification/ Animal tissue extract preparation and biochemical analysis of enzymes
- vi. Computational modelling to analysis molecular docking and drug preparation
- vii. Gas chromatography-mass spectrometry (GCMS)
- viii. High Performance Liquid Chromatography (HPLC)
- ix. IF Spectroscopy
- x. Zeta Analyzer
- xi. X-ray Powder Diffraction (XRD)

Registration:

Thirty participants from all over the country will be shortlisted for the DST-STUTI training program. For participation, PhD students, Postdoctoral Fellows and Young Faculty members from different field such as Zoology, Botany, Life sciences, Biotechnology, Medical sciences, Chemical sciences and Pharmaceutical sciences may apply. **There is no registration fee.** Interested candidates should send their CV and recommendation letter duly forwarded by their Head of the Department/ Supervisor/Mentor and mail to vijayparamanik@gmail.com

Major attractions in Amarkantak:



ORGANIZING COMMITTEE:

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Department of Zoology, IGNTU

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Department of Botany, IGNTU

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Department of Zoology, IGNTU

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<https://forms.gle/WS44ZT6pES6uiuNK8>
Or
Scan QR Code:





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INVITED SPEAKERS

(February 06-12, 2023)



Prof. MK Thakur
Dept of Zoology
Banaras Hindu University Varanasi



Prof. Sabyasachi Maiti
Dept of Pharmacy
IGNTU Amarkantak



Prof. Naveen K Sharma
Dept of Botany
IGNTU, Amarkantak



Prof. Tanmay Kumar Ghorai
Dept of Chemistry
IGNTU, Amarkantak



Prof. Bhumi Nath Tripathi
Dept of Biotechnology
IGNTU, Amarkantak



Dr. Vijay Paramanik
Dept of Zoology
IGNTU, Amarkantak



Prof. Poonam Sharma
Dept of Zoology
IGNTU, Amarkantak



Dr. Biswajit Maji
Dept of Chemistry
IGNTU, Amarkantak



Dr. Kunjbihari Sulakhiya
Dept of Pharmacy
IGNTU, Amarkantak



Dr. Ravindra Shukla
Dept of Botany
IGNTU, Amarkantak



Dr. Rishi Paliwal
Dept of Pharmacy
IGNTU, Amarkantak



Dr. Nitesh Poddar
Dept of Biosciences
Manipal University, Jaipur



Dr. Debapriya Garabadu
Dept of Pharmacology, School of
Health Sciences CUP, Bathinda



Dr. Rajkamal Srivastava
DBT-Ramalingaswami Fellow
Dept of Zoology
IGNTU, Amarkantak



Dr. Gireesh Gangadharan
Dept of Cell and Molecular Biology
MAHE, Manipal, Karnataka



Dr. S. Balaswamy
Dept of Statistics
IGNTU, Amarkantak



Dr. Prashant Modi
Centre for Systems Biology and Molecular
Medicine
Yenepoya (Deemed to be University)
Mangalore