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IIT
Bombay

Sub: Selection Process for Admission to PhD Programme in IDP in Climate Studies for 2022-2023 (Spring Semester)

Dear Candidate,

This is with reference to your application for the PhD programme in the Interdisciplinary Programme in Climate Studies (IDPCS) at IIT Bombay. Your application has been shortlisted for further evaluation and processing. **Congratulations!**

The December 2022 PhD admission process (written test and personal interview) in IDPCS, IIT Bombay will be conducted in virtual mode. It is requested that candidates ensure high-speed, stable internet connectivity and other necessary tools (laptop/desktop, microphone, webcam etc.) for the same at their end; the department/institute is not liable to hold re-examinations under any circumstance.

Research interests of the IDP in Climate Studies' faculty members interested in recruiting students are provided below. The shortlisted candidates are encouraged to contact the faculty members based on their research interests.

Name of the Faculty Member	Research Interest
Abhishek Chakraborty	Aerosol physico-chemical characteristics and radiative forcing linkages
Angshuman Modak	Climate change, Climate variability, Climate sensitivity, Aerosols, Land-atmosphere interactions, Climate engineering
Debabrata Maity	Utilisation of CO ₂ to methanol and other valuable organic molecules
Eldho T.I.	Climate change impacts assessment on Hydrological process
Karthikeyan Lanka	Sub-seasonal to seasonal agricultural drought prediction
Manoranjan Sahu	Air pollution control technology, Aerosol & Air quality
M.J. Reddy	Climate change impacts on Hydrological Extremes, Risk Assessment of Floods, Droughts, AI/ML applications in River Basin management

Pennan Chinnasamy	Groundwater, Climate Change impact on water, Smart Agriculture, Early Warning Systems
S. Ravichandran	Fluid dynamics, thermodynamics, high-performance computing
S. Ravichandran	The cloud twilight zone: aerosol-radiation interaction and the role of fluid dynamics (along with Prof. Ratul Dasgupta through CRNTS)
Subhankar Karmakar	Flood management; Hydroclimatology
Vishal Dixit	Monsoon dynamics, Weather modeling for Solar and Wind energy

You are required to upload a research proposal based on your research interests by **27 November 2022** through this link: <http://surl.li/dinwq> A research proposal template can be viewed here <https://www.ibit.ly/3HVS> for reference. You are strongly advised to align your proposal with the research interests. You may even contact the concerned faculty member in this process.

Written test (consisting of MCQs) shall be held online on **Thursday 01, December 2022**. Candidates selected based on the written test will be called for **online interview** by the selection committee (through WebEx) on **5-6 December 2022**.

Kindly note again that requests for re-examination will not be entertained under any circumstance. The list of candidates who clear the written test will be uploaded on our website (<https://www.climate.iitb.ac.in/>) by **02 December 2022**. Relevant details regarding the written test/interview will be communicated with you in due course.

Please reach out to us if you have any further questions about the admission procedure. Wish you good luck!

Subimal Ghosh.

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