

for IASST Web site for online submission only .



INSTITUTE OF ADVANCED STUDY IN SCIENCE AND TECHNOLOGY
(An Autonomous Institute under Department of Science and Technology, Govt. of India)
Paschim Boragaon, Garchuk, Guwahati- 781035



Advertisement No.-213

Date:17/10/2019

Admission into Ph.D. under IASST-Deakin University, Australia, joint fellowship programme:

Institute of Advanced Study in Science and Technology (IASST), Guwahati and Deakin University, Australia had signed a MoU for collaborative research to be carried out at both the Institutes. This collaboration includes PhD research in advanced field of science under joint supervision of a researcher at Deakin University and a Scientist of IASST on a selected theme and degree will be offered by the Deakin University, Australia.

This year the theme of research has been identified to be “**Functionalization of silk particles with natural herbs for skin care application**”.

Research Topic: *Functionalization of silk particles with natural herbs for skin care application*

Applications are invited from eligible candidate for carrying out PhD research on the above topic under Deakin India research initiatives(DIRI) /in-country PhD programme. The background of this research is based on Deakin University’s innovative work on silk particles and their new applications. Research team in this project also uses world-leading expertise in pharmaceutical powders from the Deakin’s School of Engineering. The research fellow will be enrolled at Deakin University Australia under the joint supervision PhD program. Selected research fellows will get to spend six months of their time at Deakin University Australia and rest of the duration the researcher will be based in laboratories at IASST, Guwahati.

Sl. No.	Area of Research	Basic Qualification
1.	Functionalization of silk particles with natural herbs for skin care application	<ul style="list-style-type: none">• Master Degree in Material Science, Organic Chemistry, Phyto Chemistry, Pharmaceutical science (Pharmaceutical Chemistry or Pharmaceutics), Chemical engineering or equivalent• Bachelor degree holders in Chemical Engineering or Pharmaceutical Technology with strong academic record may also apply.• Candidate with research experience and publication records will be preferred• Interest in working in a multidisciplinary project will be useful

Eligibility Criteria:

- 70% and above in Graduation and Post-Graduation
- Candidates who have already cleared IELTS/TOEFL (with overall IELTS score of 6.5 with no band less than 6.0 for faculty of SEBE) will be preferred. However, candidate with excellent academic record but without IELTS/TOEFL score, if

selected, will need to clear this exam with required score within 6 months after selection.

Value & Benefits:

- 100% tuition fee waiver of Deakin University, Australia
- Joint supervision by Deakin and IASST scientists
- One off visit to Deakin Australia up to 6 months

The candidate has to submit a brief write up on the above topics in which he /she is willing to carry out PhD work narrating how the program will benefit him/her as well as the Nation. The write-up is expected to reflect creative ability and critical research thoughts and shortlisted candidates will have to reflect thorough knowledge on the write-up during interaction with the final selection committee. A written test may also be conducted to shortlist the selected candidates. Experts from both Deakin University and IASST will be involved in the selection process.

Age Limits (as on date of interview): Upper age limit is 30 years. Age relaxation for SC/ST/OBC/Women candidates as per the Government Norms.

Application Procedure: Interested candidate should apply through online only (www.iasst.gov.in) within **fifteen days** of publication of the advertisement. Incomplete applications and those received after the closing date will not be entertained.

No TA/DA will be provided to the candidate for appearing the entrance and interview. In case of any query or concern please write to rangam.rajkhowa@deakin.edu.au; dir.iasst@nic.in, priyanka.tripathi@deakin.edu.au

Selection Procedure: Selection will be based on the performance in the written test as well as in the personal interview. Details of the candidate screened for written test/interview and final selection list will be uploaded in the IASST website. The decisions of the admission committee will be final and binding and no correspondence will be entertained in this regard. Results of written test and interview will be available in IASST website and all correspondence related to application submission and entrance/interview must be done through the email registrar@iasst.gov.in.

Candidates who hold fellowship from different funding agencies after clearing CSIR-UGC-NET/DBT-JRF/ICMR-JRF/ICAR-JRF examination need not appear for the written test but have to appear in the interview for final selection. These candidates shall also express their research interest in the form of an essay of 10 sentences on the topic of their choice within the broad research programmes of IASST.

Remuneration: Remuneration for the period of research in Australia will be governed as per the norms of Deakin India Research Initiative (DIRI) program of Deakin University and for the remaining period as per the norms that guides research fellowship of DST, Govt. of India

Registrar, IASST