
APPLICATIONS ARE INVITED FOR THE JOINT PHD PROGRAM AT BITS PILANI AND LA TROBE UNIVERSITY, AUSTRALIA, UNDER ASIAN SMART CITIES RESEARCH AND INNOVATION NETWORK (ASCRIN)

Deadline: 27th July 2025

PhD position (01) in Pharmaceutical Science is currently available with scholarship funding for students enrolled in a Joint PhD program at the Birla Institute of Technology and Science (BITS) Pilani and La Trobe University. Candidates will be based at BITS Pilani, Pilani campus throughout his/her candidature and will have the opportunity to visit La Trobe University in Melbourne, Australia for typically one year during the PhD program.

BENEFITS OF THE SCHOLARSHIP

For candidates enrolled in a BITS Pilani - La Trobe University Joint PhD Program:

- BITS Pilani PhD fellowship: INR 37,000 – 42,000 pm.
- A stipend in AUD dollars for up to one year during a residency at a La Trobe University campus.
- A La Trobe University Full-Fee Research Scholarship, covering tuition fee relief and health insurance at La Trobe University.
- Return economy airfare between Delhi and Melbourne.

ASCRIN PROJECT DETAILS

Project title: Smart Percutaneous Delivery Approach with Mechanical and Therapeutic Modulation for Skin Disease Management

Project Team: [Prof. Ankit Jain](#) and [Prof. Gautam Singhvi](#) – [BITS Pilani](#) | [Prof. Avinash Baji](#) – [La Trobe University, Australia](#)

Summary: The project aims to develop an innovative platform that combines mechanical and therapeutic interventions for treating skin diseases. The candidate will design a system for controlled release of bioactive substances, focusing on antibacterial fibers with mechano-bactericidal properties for chronic conditions like psoriasis, enhancing safety and effectiveness. Developed systems will be evaluated through in vitro, ex vivo, and in vivo studies.

Minimum and desirable qualifications needed: First class in M. Pharm./M.S./M. Tech. in Pharmaceutics, Pharmaceutical Chemistry, Drug delivery, Polymer chemistry, Pharm-Biotechnology, Nanomedicines, or equivalent from a recognized University. GPAT/GATE qualified and experienced in polymer modification and characterization, as well as designing nanocarriers, cell lines, and animal studies, will be given preference.

HOW TO APPLY:

Interested candidates fulfilling the above requirements can apply by filling in the [Google form](#) by **27th July 2025**. Please note that only qualified and shortlisted candidates will be selected for interview. Details of the interview will be communicated via email.

For more information, visit the [BITS-La Trobe Joint PhD Program](#)

For any queries, please contact ankit.j@pilani.bits-pilani.ac.in
