



**BITS Pilani**  
Pilani Campus

Department of **Chemistry**  
BITS Pilani, Pilani Campus



## Admissions open for Ph.D. program in Chemistry for II-Sem, 2023-24

Applications are invited from highly motivated and research-oriented students for admission in the Ph. D. program (full-time and part-time) of the Department of Chemistry, BITS Pilani, Pilani Campus (Rajasthan) commencing from January 2024. BITS Pilani, a Deemed to be University, has been recognized as an "Institute of Eminence" by MHRD, Govt. of India

### RESEARCH INTERESTS

- Organic and Medicinal Chemistry
- Synthetic Chemistry
- Chemical Biology
- Physical Chemistry
- Material Chemistry
- Photophysical Chemistry
- Nanoscience and Nanoplasmonics
- Green Chemistry, Catalysis & Electrocatalysis
- Theoretical & Computational Chemistry
- Matrix-Isolation Infrared Spectroscopy
- Statistical Materials Modeling

### ELIGIBILITY CRITERIA

M.Sc./M.Phil. in Chemistry/Biochemistry/Pharmaceutical Chemistry/ Physics or equivalent from a recognized University with at least 60% or equivalent scores.

### ADMISSION PROCEDURE

Admission will be based on merit in the written test and interview. Candidates with CSIR/UGC-JRF or equivalent fellowship, M.Phil./M.Pharm. or equivalent higher degrees are exempted from the written test.

### HOW TO APPLY

Interested and eligible candidates should apply online  
<https://www.bitsadmission.com/phdmain.aspx>.

**The online application will close on November 25, 2023**

### FELLOWSHIP

₹34,000/37,000/40,000/42,000 per month  
and ₹20,000 contingency per year

### ABOUT THE DEPARTMENT

- High-class infrastructure
- State-of-the-art instrumentation and lab facilities
- Highly qualified and experienced faculty members
- Competitive research environment
- World class Library facility
- Access to SciFinder and journals from ACS, RSC, Wiley-VCH, Elsevier, Taylor & Francis etc.
- Research funding from government agencies and Industries
- Publication in high impact journals
- Regular seminar and lectures by experts from Industry and academia
- More details at

<https://www.bits-pilani.ac.in/pilani/pilaniChemistry/Home>

### INSTRUMENTATION FACILITIES

- |                      |                              |
|----------------------|------------------------------|
| • NMR (400 MHz)      | • FESEM                      |
| • HRMS               | • Raman-AFM                  |
| • Single Crystal XRD | • XPS                        |
| • HPLC               | • High Performance Computing |
| • GC, GC-MS, LC-MS   | • Matrix Isolation IR        |
| • CHN analyzer       | • Spectrophotometer          |
| • MW Synthesizer     | • Spectrofluorometer         |
| • TGA and DSC        | • TCSPC Spectrofluorometer   |
| • FT-IR              | • CHI Potentiostat           |



NMR

HRMS

FESEM

TCSPC

### For any queries, please contact

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