



About the Department

The department was established in 2004 and is well-known nationally and internationally for its excellence in both academic and research activities. The department is equipped with *state-of-the-art* instrumentation facilities and research laboratories. The department comprises 21 highly qualified faculty members, who are recipients of many awards, several research grants from national & international agencies, and are engaged in various national & international collaborations.

Research Focus

- Inorganic & Bio-Inorganic Chemistry
- Organic Chemistry
- Physical Chemistry
- Computational & Theoretical Chemistry
- Biosensors & Bioanalytical Chemistry
- Chemistry of Nanomaterials
- Molecular Sensors & Devices
- Energy & Environment
- Green Chemistry & Catalysis
- Supramolecular Chemistry
- Solid State Chemistry

Instrument Facilities

Department Facilities:
AFM, FTIR, GC-MS, CHNS, Benchtop NMR, Microwave reactor, Powder XRD, Ion Chromatograph, Flash Chromatograph, TOC, Fluorimeter, Electrochemical workstation, Polarimeter, BET, Dell Server & Softwares

Institute Facilities:
FESEM, LCMS, Confocal Microscope, Raman Spectrometer, PXRD, NMR, Zeta/Nano Particle Analyzer etc. (<https://www.bits-pilani.ac.in/goa/csif/home>)



Programs Offered

M.Sc. in Chemistry
Ph.D. in Chemistry



Fellowship and Accommodation

INR 31,000 / 35,000 per month is offered to Ph.D. scholars for 5 years along with contingency and hostel accommodation as per the University norms

Advertisement Link

<https://www.bitsadmission.com/index.aspx>

Department Link

<https://www.bits-pilani.ac.in/goa/goaChemistry/DepartmentofChemistry>

Department of Chemistry, BITS Pilani K K Birla Goa Campus, NH17B Bypass Road, Zuarinagar, Goa - 403726



SCAN ME

BITS Pilani, a deemed to be university, has been recognized as an "Institute of Eminence" (IoE) by MHRD, Govt. of India in the year 2018

Faculty Members



S Bhand
Biosensors
Food safety
Environ Analysis



N N Ghosh
Nanomaterials
Energy storage
Catalysis



R N Panda
Solid-State
Chemistry &
Nano-Magnetism



H Prakash
Bio-Inorganic
Photochemistry
Water Research



R Dey
Thermophysical
Properties
Renewable Energy



K Vankayala
Materials
Electrochemistry
Solar fuels



U Basu
Bio-Inorganic
& Medicinal
Chemistry



R N Behera
Theoretical &
Computational
Chemistry



A Chattopadhyay
Theoretical &
Computational
Chemistry



R Chauhan
Polymers
Green materials



M Banerjee
Organic Synthesis
Green Chemistry,
Mechanochemistry



S Banerjee
Organic
Fluorophores
Porphyrins



S Chatterjee
Inorganic &
Bio-inorganic
Chemistry



S Bhattacharya
Framework
Materials,
Catalysis



T L Thomas
Polymers
Fluorescence



P Bhavana
Porphyrins &
Electrocatalysis



KP Jayadevan
Metal Oxides
Electronic
Structure



A Chatterjee
Molecular Sensor
Nanosensor
Green Chemistry



S Roy
Peptide &
Supramolecular
Chemistry



W Sinha
Bio-Inorganic
Chemistry
Renewable Energy



S K Nandi
Biophysical
Chemistry

Publications, Funding and Collaborations

- We publish articles in peer reviewed journals of highly reputed publishing houses, such as American Chemical Society, Royal Society of Chemistry, Wiley, Elsevier, Springer, Frontiers, Cell Press, etc.
- Several national and international patents (>10 granted patents) have been filed by our department
- Our department has established 10+ Industry-Academia collaborations
- We have received several extramural research fundings from different national (such as DST, SERB, DBT, CSIR, DRDO, BRNS, ICMR, ICAR, DSTM-Goa etc.), international (e.g., The Royal Academy of Engineering, DST-Horizon, Indo-EU, DST-UKIERI, Swedish research council, INDO-Swedish projects etc.) funding agencies as well as from Industries (Birla Carbon, Tea board, Kwaliti photonics etc.)
- The department has active collaborations with renowned Universities: IITs, IISERs, University of Leeds, Lund University, University of Heidelberg, University of Cyprus, University of Tennessee etc.
- Our department has partnered with University of Tartu, Estonia under EACH Erasmus+ program

Opportunities and Outreach Activities

- National & international level Workshops/Conferences are regularly organized that facilitate student-scientist interactions leading to innovative research ideas
- Invited lectures by eminent speakers of national and international repute are conducted in the department
- Outreach activities are regularly taken up throughout the year to promote science and innovation among the students, teachers and faculties of local schools, colleges and universities
- The department's student association plays a key role in promoting scientific awareness among the curious kids from local schools
- The department supports students to present their research results in leading national and international conferences and to attend scientific workshops