



## PhD Admissions

### 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 22 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 & Bioinorganic 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
- Biophysical Chemistry

### Instrument Facilities

#### Department Facilities:

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

#### Institute Facilities:

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

### Programs offered

**M.Sc. (Chemistry)**  
**Ph.D.**

### Fellowship

**INR 34,000 or 37,000 per month as per the intake qualification**

### Eligibility for PhD Program

- M.Sc./M. Pharm./M. Tech. in Chemistry or allied fields
- Suitable match between academic background and research area
- Selection test consists of written exam followed by interview
- NET/GATE/GPAT/GAT-B/similar All India Entrance qualified candidates will get preference.

### Advertisement Link

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

### Department Link

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

Contact us @

[hod.chemistry@goa.bits-pilani.ac.in](mailto:hod.chemistry@goa.bits-pilani.ac.in)  
[chemistry.office@goa.bits-pilani.ac.in](mailto:chemistry.office@goa.bits-pilani.ac.in)



SCAN ME



Celebrating 20 Years of Excellence

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  
Environ Analysis  
Food safety



**R N Behera**  
Theoretical &  
Computational  
Chemistry



**T L Thomas**  
Polymers  
Fluorescence



**N N Ghosh**  
Nanomaterials  
Energy storage  
Catalysis



**A Chattopadhyay**  
Theoretical &  
Computational  
Chemistry



**P Bhavana**  
Inorganic Chemistry  
Electrocatalysis



**R N Panda**  
Solid-State  
Chemistry &  
Nano-Magnetism



**R Chauhan**  
Polymers,  
Green materials



**K P Jayadevan**  
Metal Oxides  
Electronic  
Structure



**H Prakash**  
Bio-Inorganic  
Photochemistry  
Water Research



**M Banerjee**  
Organic Synthesis  
Green Chemistry  
Mechanochemistry



**A Chatterjee**  
Molecular Sensor  
Nanosensor  
Green Chemistry



**R Dey**  
Thermophysical  
Properties  
Renewable Energy



**S Banerjee**  
Organic  
Fluorophores,  
Porphyrins



**S Roy**  
Peptide &  
Supramolecular  
Chemistry



**K Vankayala**  
Materials  
Electrochemistry,  
Solar fuels



**S Chatterjee**  
Inorganic  
Bio-inorganic  
Chemistry



**W Sinha**  
Bio-Inorganic Chemistry  
Renewable Energy



**U Basu**  
Bio-Inorganic  
& Medicinal  
Chemistry



**S Bhattacharya**  
Framework  
Materials, Catalysis



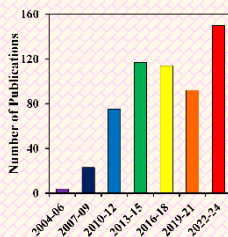
**S K Nandi**  
Biophysical  
Chemistry



**S Kumar**  
Bioorganic &  
Medicinal  
Chemistry

## Publications, Funding and Collaborations (Journey of 20 Years)

### Journal Publications



### Research Grants



### Funding Agencies



- Established 10+ Industry-Academia collaborations
- We have many active National and International collaborations

- We publish articles in peer-reviewed journals of highly reputed publishing houses
- Several National and International patents (>10 granted patents) have been filed and granted

## Outreach Activities

