

**Ph.D. Student Intake Capacity (Maximum) of the Faculties of the
Department of Chemistry for the Year 2020**

Sl. No.	Name of Faculty	Research Field	Maximum Intake Capacity
1	Prof. Jubaraj Bikash Baruah	Inorganic Chemistry	1
2	Prof. Arun Chattopadhyay	Thin Films, Membrane Sciences, and Nano Science & Technologies.	2
3	Prof. Abu Taleb Khan	Synthesis of Natural Products, Heterocycles and Carbohydrate Chemistry, Newer Methodologies.	1
4	Prof. Bhisma Kumar Patel	Bio-Organic Chemistry and Newer Methodologies.	1
5	Prof. Tharmalingam Punniyamurthy	Synthetic Organic Chemistry.	2
6	Prof. Manabendra Ray	Bioinorganic and coordination chemistry.	2
7	Prof. Anil Kumar Saikia	New Synthetic Methodology & Natural Product Synthesis.	1
8	Prof. V. Manivannan	Coordination Chemistry.	2
9	Prof. Gopal Das	Supramolecular, Bioorganic chemistry and Biomineralization.	2
10	Prof. Parameswar Krishnan Iyer	Organic and Polymer synthesis, Bio & Chemosensors, Optoelectronic devices.	1
11	Prof. Anumita Paul	Surface Science, Catalysis, Thin Films.	2
12	Prof. Ashish Kumar Gupta	Quantum Molecular Dynamics.	2
13	Prof. G. Krishnamoorthy	Organic Photochemistry & Spectroscopy.	1
14	Prof. Biplab Mondal	Bioinorganic Chemistry.	1
15	Prof. Aditya Narayan Panda	Dynamics of bimolecular scattering processes.	2
16	Prof. Sandip Paul	Computational Biophysics and Chemistry.	2
17	Prof. Mohd. Qureshi	Materials Chemistry.	2
18	Prof. Subhendu Sekhar Bag	Bio-Organic/Medicinal Chemistry of Nucleic Acids, Peptides, and β -Lactam Antibiotics.	2
19	Prof. Bhubaneswar Mandal	Synthetic Organic Chemistry & Peptide Chemistry.	2
20	Prof. Chivukula V Sastri	Biomimetic Chemistry and Chemical Biology.	2
21	Prof. Debasis Manna	Lipid-Protein Interaction, Lipid Synthesis.	2
22	Prof. Chandan Mukherjee	Oxidation Catalysis / Molecular Magnetism / Synthesis of Single-Molecule Magnets (SMMs) / MRI Contrast agents / Water Oxidation Chemistry.	1
23	Prof. A.S. Achalkumar	Liquid crystals, Functional Materials, Molecular Electronics, Self Assembly, Green Chemistry.	1
24	Prof. Chandan K. Jana	Total Synthesis/ Natural Product Based Drug Discovery/ Synthetic Methodology/ Development of New Reaction.	2

25	Prof. Debapratim Das	Supramolecular dynamic aggregates, peptides, lipids.	2
26	Prof. Subhas Chandra Pan	Synthetic organic chemistry: Natural product synthesis with the emphasis of new synthetic methodology; development of new reactions, asymmetric organocatalysis and transition metal catalysis with new catalyst design; mechanistic study.	1
27	Dr. Manabendra Sarma	Development of new theoretical approaches to: Laser Assisted Control of Chemical Reactions, and, Resonances in Electron – Molecule Scattering.	1
28	Dr. Lal Mohan Kundu	Nucleic Acid / Peptide Chemistry, DNA / RNA Damage and Repair, DNA Hybrid Materials.	2
29	Dr. Sumana Dutta	Experimental & Theoretical Physical Chemistry / Self-organization and Nonlinear dynamics.	2
30	Dr. Kalyanasis Sahu	Time Resolved Absorption and Fluorescence Spectroscopy, SHG, MUPPETS.	2
31	Dr. Shyam Prosad Biswas	Gas/Vapor/Liquid Adsorption, Fluorescence Sensing and Catalytic Applications of Metal-Organic Frameworks (MOFs)	2
32	Dr. Kingsuk Mahata	Solar Fuel from Water, Supramolecular Catalysis, Theranostic Nano-Medicine.	2
33	Dr. Kalyan Raidongia	Materials science, Nanofluidics and Nanomaterials.	2
34	Dr. Dipankar Srimani	Organic, Organometallic Chemistry and Catalysis.	2
35	Dr. Uttam Manna	Bio-inspired Polymer Materials, Drug Delivery, Open Microfluidics, Chemical Sensor.	2
36	Dr. Sunanda Chatterjee	Peptidomimetics: Synthesis, Conformation and Biological activity.	2
37	Dr. Krishna Pada Bhabak	Organic and Bio-organic Chemistry.	2
38	Dr. Animesh Das	Organometallic chemistry and catalysis.	2
39	Dr. Akshai Kumar A. S	Organometallic Chemistry, Inorganic Chemistry, Organofluorine Chemistry, Catalysis (Homogeneous and Heterogeneous), C-H and C-F activation.	1
40	Dr. Pavan K. Kancharla	Organic Chemistry, Carbohydrate Chemistry, Development of Synthetic Methodology, Organocatalysis.	2