

Graduating Batch 2019

Doctor of Philosophy

Biological Sciences

Amit Kumar Verma

Thesis Supervisor: **Dr. Chandan Sahi**

Thesis Title: Evolutionary Conservation and Emerging Functional Diversity of the Cytosolic Hsp70: J Protein Chaperone Network in Plants

Muralikrishna Lella

Thesis Supervisor: **Dr. R Mahalakshmi**

Thesis Title: Distinct Conformational Preferences of a Pore Forming Protein: Molecular Mechanism and Peptide Engineering

Raut Sandeep Shrikrishna

Thesis Supervisor: **Dr. Chandan Sahi**

Thesis Title: Identification of Molecular Chaperones having Neuron-specific Functions; Roles Beyond Protein Folding and Aggregate Remodeling

Darshan Bharatkumar Dhakan

Thesis Supervisor: **Dr. Vineet K Sharma**

Thesis Title: Elucidating the Role of Human Gut Microbiome in Health and Disease using Next Generation Sequencing and Computational Approaches

Mansi Gujrati

Thesis Supervisor: **Dr. Ram Kumar Mishra**

Thesis Title: Critical Role for Perioplakin SUMOylation in the Efficient Re-organization of Keratin Intermediate Filament Network

Amit Gupta

Thesis Supervisor: **Dr. Sanjeev Shukla**

Thesis Title: Study of Oncogenic Role of PAK2 and HNRNPA2B1 in Head and Neck Cancer

Ankit Gupta

Thesis Supervisor: **Dr. Vineet K Sharma**

Thesis Title: Functional Insights into Genomes and Metagenomes through Integrative Omics and Machine Learning Approaches

Ashish Kumar

Thesis Supervisor: **Himanshu Kumar**

Thesis Title: Host miRNA Suppresses H5N1 Influenza Virus Replication by Targeting Host and Viral Gene



Graduating Batch 2019

Doctor of Philosophy

Biological Sciences

Neha Dobriyal

Thesis Supervisor: **Dr. Chandan Sahi**

Thesis Title: Functional Specificity of Caj1: A Class II J Protein in *Saccharomyces Cerevisiae*

Rituja Saxena

Thesis Supervisor: **Dr. Vineet K Sharma**

Thesis Title: Assessing the Functional Roles of Human and Environment-associated Microbiomes using Next-Generation Sequencing

Chemistry

Maheshwerreddy Chilamari

Thesis Supervisor: **Dr. Vishal Rai**

Thesis Title: Single-site Labeling of Lysine in Native Proteins through Multicomponent Approach

Pradip Kumar Mondal

Thesis Supervisor: **Dr. Deepak Chopra**

Thesis Title: Exploring Solid State Diversity in Molecular Crystals

Pralhad Namdev Joshi

Thesis Supervisor: **Dr. Vishal Rai**

Thesis Title: Catalysis by Proteins and their Site-selective Bioconjugation

Debarati Roy Chowdhury

Thesis Supervisor: **Dr. Amit Paul**

Thesis Title: Electrochemical Methodology Development and Heterogeneous Water Oxidation by Transition Metal-Based Systems

Landa Purushottam

Thesis Supervisor: **Dr. Vishal Rai**

Thesis Title: Aldehyde Enabled Site-selective Protein Modification and Purification

Rajesh Kumar

Thesis Supervisor: **Dr. Aasheesh Srivastava**

Thesis Title: Fluorescent Molecular Tweezers Based on Pyridine-2, 6-Dicarboxamide (PDC) Framework: Sensing and Photophysical Aspects



Graduating Batch 2019

Doctor of Philosophy

Chemistry

Somnath Dharmaraj Bhagat

Thesis Supervisor: **Dr. Aasheesh Srivastava**

Thesis Title: C-terminal Modified Amphiphilic L-Phenylalanine Derivatives: Anticancer Potential and Templates for Gold Nanoassemblies

Jyoti Rai

Thesis Supervisor: **Dr. J Sankar**

Thesis Title: Homometallic Corrole-Porphyrin-Corrole Triads: Synthesis, Characterization and Application

K Naresh Babu

Thesis Supervisor: **Professor Alakesh Bisai**

Thesis Title: Asymmetric Approach to Naturally Occurring Alkaloids Sharing 3a,3a'-Bis-Pyrrolo[2,3-b]Indoline and Benzofuroindoline

Mrinal Kanti Das

Thesis Supervisor: **Professor Alakesh Bisai**

Thesis Title: Total Syntheses of *Amaryllidaceae* Alkaloids Sharing cis-3a-Aryloctahydroindole Skeleton

Pragyan Pallavi

Thesis Supervisor: **Dr. Abhijit Patra**

Thesis Title: Tailoring the Noncovalent Assemblies of Molecules: Development of Materials with Tunable Fluorescence

Vandana Rathore

Thesis Supervisor: **Professor Sangit Kumar**

Thesis Title: Transition-Metal-Free Synthesis of Diaryl Acetamides, Disulfides, and Unsymmetrical Organochalcogenyl Indoles

Chiranjit Ghosh

Thesis Supervisor: **Dr. Manmohan Kapur**

Thesis Title: Total Synthesis of the Proposed Structure of Mycobactin J and Transition Metal-Catalyzed Directed C-H dienylation

Gangam Srikanth Kumar

Thesis Supervisor: **Dr. Manmohan Kapur**

Thesis Title: Transition Metal-Catalyzed Synthesis and Functionalization of Nitrogen Heterocycles via C-H Bond Activation



Graduating Batch 2019

Doctor of Philosophy

Chemistry

Priyajit Jash

Thesis Supervisor: **Dr. Amit Paul**

Thesis Title: Transition Metal-Based Porous Heterogeneous Electrocatalysts for Oxygen Evolution Reaction

Rahul Shukla

Thesis Supervisor: **Dr. Deepak Chopra**

Thesis Title: Experimental and Computational Methods towards a Quantitative Understanding of σ and π -hole Directed Interactions

Vikas Sharma

Thesis Supervisor: **Dr. Apurba Lal Koner**

Thesis Title: Synthesis of Functionalized Perylenemonoimides with Tailored Electro-optical Properties and their Applications in Sensing, White-light Emission, and Memory Devices

Earth and Environmental Sciences

Dicton Saikia

Thesis Supervisor: **Dr. Pritam Nasipuri**

Thesis Title: Neoproterozoic Tectonism at the Eastern Ghats Belt – Bastar Craton Interface, Eastern India: Constraints from Geochemical, Metamorphic and Geochronological Investigations

Physics

Prachi Mohanty

Thesis Supervisors: **Dr. Ravi Prakash Singh**
Dr. Dhanvir Singh Rana

Thesis Title: Exchange Bias Effect in Complex Magnetic Oxide Systems

Rajesh Kumar Yadav

Thesis Supervisor: **Dr. KV Adarsh**

Thesis Title: Designing Multifunctional Heterostructure for Nonlinear Optical Response



Graduating Batch 2019

Doctor of Philosophy

Physics

Sarmistha Das

Thesis Supervisor: **Dr. Dhanvir Singh Rana**

Thesis Title: Terahertz Collective and Free Carrier Dynamics in Complex Ground States of Ternary Transition Metal Oxides

A total of 31 Degrees of Doctor of Philosophy will be awarded. 10 graduands are from Biological Sciences, 17 from Chemistry, 1 Earth and Environmental Sciences and 3 from Physics.



Graduating Batch 2019

Dual Degree of Bachelor of Science and Master of Science

Biological Sciences

Namrta	Koushik Choudhury
Amal K Vyas	Maitraiye Dharmesh Humaney
Amalu B	Nawge Viraj Vishnu
Anusree M Raj	Oza Yagna Anand
Anusree V S	Pallavi Shekhar Gadgil
Asawari Albal	Parul Gupta
Ashutosh Aasdev	Priya Yadav
Ashwathi P	Ramakrushna Swain
Athulya S	Sanchali Nanda
Biyani Prajakta Pramod	Satyam Diliprao Pawar
Dhargalkar Rahul Kamlesh	Shambhuling B Sannagoudr
Dheetchanya M R	Shitij Manojkumar Agarwal
Gopika S	Shruti Shashidharan Menon
Harsha M J	Susnata Salony
Harshil Ramachandran	Thale Sameedha Deepak
Jayakrushna Kumbhar	Upasana Basu
Khamkar Akhilesh Shailendra	Aswin S Soman

Chemistry

Ajay Kharbade	Arkaprava Chowdhury
Annie Cleetus	Arnab Roy
Archana V S	Athira S



Graduating Batch 2019

Dual Degree of Bachelor of Science and Master of Science Chemistry

Ayush Kumar	Palur Dileep Sai Kumar
Claris Niya Varghese	Prateek Yadav
Deshpande Akanksha Santosh	Rahul Meena
Divyaratan Kumar	Reshma Ramakrishnan
Firos Abdulla P	Sakshi Kansal
Govind Kumar Verma	Samarth Sharma
Indhu M Nair	Sandeep Patel
Jency J	Shilpa M
Jumana Hasin M	Shivani Gonde
Jusaina Eyyathiyil	Shubham Sharma
Kartikay Sharma	Sooraj B S
Malavika Sivan	Subha Biswas
Mrityunjay Gupta	Yogesh Kumar
Nitin Kumar	

Earth and Environmental Sciences

Rishabh Rana	Krishna Kedia
Akanksha Singh	Muskan Gupta
Ashique V	Navajyoth M P
Ganesh Kumar Meena	Nikhila Gollakota
Jitendra Argal	Rupal Ambulkar
Kausik Satpathi	Yelgatte Mahesh Shriniwas
Kripal Kujur	



Graduating Batch 2019

Dual Degree of Bachelor of Science and Master of Science

Mathematics

Antony James

Deepak Kumar

Deo Ashish Samanta

Kucheriya Gaurav Sunil

Kulkarni Varun Shirish

Limaye Gayatri Pramod

Mayank Jain

Prerak Deep

Satvik Goswami

Shilpa Saini

Shriya Gehlot

Suman Dutta

Physics

Mani Mohan Tiwari

Sudarsan Maddasani

Yngesh Raman

Abhinav Malav

Abithaswathi M S

Alen Philip

Amandeep Godara

Amritha A Raj

Ankit Kumar

Ankita Ram

Annie Mathew

Ashish Mishra

Aswin J R

Athullya Baby

Basim S S

Bhawani Singh

Bilvin Varughese

Chaudhari Jay Atulkumar

Eldho Elias

Faizan Pervaiz Bhat

Francis Jose

Gajbhiye Aniket Ravindra

Ishwar Venugopal

Keerthana S Nair

Kunal Kishore

Mohit Raj Hans

Patel Shravan Sunilkumar

Piyush Jangid

Piyush Kumar Gupta

Praphull Kabtiyal



Graduating Batch 2019

Dual Degree of Bachelor of Science and Master of Science

Physics

Pratyasha Gitika	Shah Parita Rajkumar
Premvijay V	Shakil Ahamad
Punde Sankalp Sanjay	Shamim Haque
Rajat Agrawal	Shruti Shantaveerappa Shirol
Rishabh Tripathi	Silpa S
Rishikesh K	Sneha Vaibhav Pandit
Sagnik Das	Srashti Vishvakarma
Sakshi Bahamnia	Subhajit Dandapat
Samikshya Sahu	Tannu Kartikeyan
Saptorshi Ghosh	Theertha K
Saurabh Shukla	Varun P
Saurish Khandelwal	Yashwant Patidar

A total of 146 Dual Degree of BS-MS will be awarded. 34 graduands are from Biological Sciences, 33 from Chemistry, 13 from Earth and Environmental Sciences, 12 from Mathematics, and 54 from Physics.

Bachelor of Science

Earth and Environmental Sciences

Gourav Babarwal	Shivam Dixit
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Physics

Zankar Omkar Pradip

A total of 3 BS Degrees will be awarded to students of BS-MS (Dual Degree) programme. 2 graduands are from Earth and Environmental Sciences and 1 from Physics.



Graduating Batch 2019

Master of Science

Chemistry

Abhinay Yadav

Akshaya Ann John

Angana Bhattacharya

Diksha Singh

Kovida

Rahul Kant Jha

Ravi Kumar

Santosh Kumar Keshri

Sayan Maity

Shilpi Jaiswal

Upasana Gayen

Yashvi Paniya

Mathematics

Shubhendu Singh

Sagar Naganath Shinde

Sourayan Banerjee

Physics

Chandan Patra

Dipankar Sen

Kaustav Mukherjee

Kushal Chakraborty

Md Ishaque Khan

Riyanka Karmakar

Vinod Kumar

A total of 22 Master of Science Degrees will be awarded to students of Integrated Ph.D. programme. 12 graduands are from Chemistry, 3 from Mathematics and 7 from Physics.

