

List of Current Ph.D. Students

Sl. No.	Name of the Student	Name of the guide(s)	University/Institute	Topic of research
1.	Arya JyotiDeo	Dr Santosh Kumar Behera* Dr Debi Prasad Das	AcSIR	Application of computational intelligence techniques to iron ore pelletization industry
2.	Shakti Prasad Sethi	Dr Debi Prasad Das* Dr Santosh Kumar Behera	AcSIR	Development of monitoring and fault diagnosis technique for plasma process
3.	Deepak Nayak	Dr.Swagat S. Rath Dr. P. De*	IIT Bhubaneswar	Thermodynamics and reduction kinetics of Ti bearing minerals
4.	Kishore Kumar Sahu	Dr.Mamata Mohapatra* Dr. L.D. Besra	AcSIR	Basic study on wet chemical synthesis of multimetallic oxalates: Morphology dependent application
5.	Priyanka Mukherjee	Dr Mamata Mohapatra* Dr Utpal Adhikari (NIT Durgapur)	NIT Durgapur	Synthesis of Fe,Cooxide/carbonateusing urea asneutralisingagent andevaluation oftheirelectrochemicalsensing properties
6.	Maheswata Moharana	Dr.Mamata Mohapatra* Prof.(Dr.) N. Das, Utkal University	AcSIR	Study and process development for treatment of sulphate- rich waste water.
7.	Sangyan Niroopita Sahoo	Dr. D. S Rao* Dr.Mamata Mohapatra	AcSIR	Study of adsorption of Fluoride and heavy metals using secondary materials.
8.	Arya Das	Prof. S. Basu* Dr.Mamata Mohapatra	AcSIR	Synthesis of metal sulphides and exploring its super capacitive behaviour for energy storage application
9.	Sushree Pattnaik	Dr.Mamata Mohapatra* Dr.Balamati Choudhury(CSIR-NAL)	AcSIR	Synthesis of high dielectric ferrite composites for microwave and energy storage applications.
10.	Rajesh Bhatta	Dr.Nilima Dash	AcSIR	Characterization of Macerals and Mineral Matters in Some High Ash Non-Coking Lower Gondwana Coals of Mahanadi Basin
11.	Jyotirmayee Panigrahi	Dr.K.Sarangi Dr.B.Garnaik* (Berhampur Univ.)	Berhampur University, Odisha	Extraction of nickel, zinc, copper and chromium by solvent extraction using commercial extractants.
12.	Sanghamitra Mahapatra	Dr.Manish Kumar	AcSIR	Production of biochar and its assessment for Cr (VI) remediation

				in chromite mining overburden and wastewater
13.	Ellampourthy Ganapathy	Dr.Shivkumar Angadi* Dr.M.K.Ghosh	AcSIR	Studies on separation and extraction of base and precious metals from end-of-life printed circuit boards
14.	Kiran LataBhaskar	Dr.B.Bhoi	AcSIR	Study on smelting reduction of chromite overburden for production of Ferro-Nickel
15.	Sachidananda Sahu		IIT, Kharagpur	
16.	Pallishree Prusti		IIT, Kharagpur	
17.	Sanjukta Dey	Dr.L.D.Besra	AcSIR	Development of corrosion resistant ceramic coating stable at high temperature on low carbon steel by electrophoretic deposition
18.	Rashmirekha Samal	Dr.Barsha Dash* Dr. K. Sanjay	AcSIR	Cobalt oxide: Synthesis by chemical and electrochemical routes, physic-chemical and electrochemical characterization
19.	Monalisa Mohanty	Dr.B.S.Jena	AcSIR	Characterization and biological activities of biogenic metal nanoparticles synthesized by using certain plant species
20.	Sangeeta Bagha	Dr.D.P.Das	AcSIR	Development of Algorithms for generation of Acoustic comfort zone using Active noise control techniques
21.	Suryakanta Dehuri	Dr.B.P.Bag	AcSIR	Methodological manifestation in detection of neutral and charges species with rhodamine and hemicyanine based chemosensors
22.	Prasanna Panda	Dr.B.C.Tripathy	AcSIR	Organic additive and rare earth mediated production of high quality nano electrolytic manganese dioxide materials for batteries and supercapacitors
23.	Rojali Maharana	Dr.N.K.Dhal	AcSIR	Development of low cost organo-mineral fertilizer and its effect on plant growth
24.	Devasish Murmu	Dr.N.K.Dhal	AcSIR	Ecological restoration of mine degraded soil through phytoremediation techniques
25.	Sushree Sangita Priyadarshini	Dr.N.Pradhan	AcSIR	Effect of ligand-GNP complex, dispersion medium and analyte properties on the stability of functionalized Gold Nano particle for optical detection applications

26.	Barsha Marandi	Dr.K.Sanjay* Dr.Devabrata Mishra	AcSIR	Recovery of acid from process liquors/ effluents
27.	Ranjit Kumar Sahoo	Dr.Bibhuranjan Nayak	AcSIR	Studies on Mineralogy, geochemistry and genesis of Ghoraburhani-Sagasahi Iron Ore Deposit, Northern Odisha
28.	Rojalin Debata	Dr.Bibhuranjan Nayak	AcSIR	Mineralogical and Petrogenetic studies of the chromite deposits and associated PGE mineralization in the southern part of Boula-Nuasahi area around Bangur, Odisha, India
29.	Abinash Prusty	Dr.ManjuUnnikrishnan	AcSIR	Developing eco-friendly energy materials and investigating their electronic and magnetic structures
30.	Bineeth Baral	Dr.U.Subudhi	AcSIR	Genomic sequence based self-assembled branched DNA nanostructures for Gene regulation
31.	Yamini Mittal	Dr.Asheesh K.Yadav	AcSIR	Development of low-cost biological wastewater treatment system
32.	Upasana Panda	Dr.Trupti Das* Dr. Sachin S.Gunthe (IIT Madras)	AcSIR	Chemical characterization and source identification ambient aerosols at Bhubaneswar
33.	Rashmirekha Samal	Dr.U.Subudhi	AcSIR	Conformational changes of biomolecules using Rare earth elements: A computational and biophysical study
34.	Sampat Narayan Satapathy	Dr.U.Subudhi	AcSIR	Metal-induced conformational changes in G-quadruplex: A biophysical study
35.	Alok Kumar Nayak	Dr.K.Sarangi* Dr. Niharbala Devi , SOA Univ. BBSR	AcSIR	Solvent extraction study of some strategic metals from leach liquor/ synthetic solution
36.	Prasanta Kumar Mohapatra	Dr.Asheesh K.Yadav	AcSIR	Feasibility assessment of selected wastewater treatment plants for Indian condition
37.	Biswajit Biswal	Dr.Manas Kumar Dalai	AcSIR	Surface and Interface Study of Some Transition Metal Oxide Compounds.
38.	Elorika Priyadarshni	Dr.Shahid Anwar	AcSIR	Synthesis and Characterization of Polymer-Ceramic Composites for Energy Harvesting and Energy Storage.
39.	Navneet Singh Shekhawat	Dr.B.P.Bag* Dr.S.K.Patra (Deputy Director Weaver's service centre,BBSR	AcSIR	Wet processing of cotton textile materials at room temperature with Lysate enzyme

40.	Shuvam Mandal	Prof.Suddhasatwa Basu* Dr. M. Debata	AcSIR	Effect of Thermal/Electric/Magnetic Treatment on Permanent Magnetic Materials Produced by Powder Metallurgy and Additive Manufacturing Routes.
41.	Arati Ray	Dr. Manish Kumar	AcSIR	Resource Recovery & Value Addition of Phosphogypsum and Pond Wastewater Recycling for Phosphate Fertilizer Industry.
42.	Salila Kumar Sethy	Dr.Manas Kumar Dalai	AcSIR	Investigation on the Electrical and Field Electron Emission Characteristics of Nanocrystalline Diamond Films.
43.	Kalicharan Mandal	Dr.N.K.Dhal	AcSIR	Inventorisation, Documentation and Conservation of Floral Diversity of Mining Areas of Odisha, India.
44.	Swastika Mallick	Dr.N.Pradhan	AcSIR	Studies on Commelina sp. A Common Weed Biomass as Source of Antioxidants/Bioactive Molecules and Their Applications.
45.	Niharika	Dr.Y.S.Chaudhary	AcSIR	Design of Hetrostructured Nanophotocatalysts for Solar to Chemical Fuel Conversion Application.
46.	Larica Mohanta	Dr.B.S.Jena	AcSIR	Study on Toxicity/Safety of Biosynthesized Metal Nanoparticles in Cellular and Animal Models
47.	Jayashree Maharana	Dr. Sony Pandey* Dr.N.K.Dhal	AcSIR	Microbial Remediation of Cyanide and Phenol Containing Industrial Wastewater
48.	Satyajeet Arya	Dr.M.G.Sujana	AcSIR	Removal of Pharmaceutical/Personal Care Products from Wastewater/Water by Heterogeneous Photocatalysis.
49.	Subhasmita Panda	Dr. R. Boopathy	AcSIR	Study of Chemical and Toxicological Components of Fine Ambient Aerosol Over Bhubaneswar.
50.	Asish Kumar Dehury	Dr.Y.S. Chaudhary	AcSIR	Design of Nanostructures for Intrinsic White Light Emission Application.
51.	Surya Kanta Das	Dr.Shivkumar Angadi	AcSIR	Recovery of Tungsten Values from Lean Grade Resources.
52.	Supriya Gupta	Dr.Asheesh K.Yadav	AcSIR	Biological Wastewater Treatment
53.	Bishnu Choudhary	Dr.Shahid Anwar	AcSIR	Development of Low/Intermediate Temperature Proton Conducting

				Oxides For Solid Oxide Fuel Cell Applications.
54.	Bibek Dash	Dr. S.S. Rath	AcSIR	Molecular Modeling Studies of Adsorption of Toxic Elements on Different Low Cost Minerals.
55.	Manas Ranjan Behera	Dr. R.K .Dwari	AcSIR	Studies on the Performance characteristics of Novel Pulse Bed Mineral Scrubber (PBMS): ore geology, hydrodynamics, optimization, and downstream process.
56.	N. Usha Kiran	Dr. L.D. Besra	AcSIR	Intercalated Multi-Layer Graphene for Enhanced Stability and Corrosion Prevention.
57.	Deeptanjali Sahoo	Dr. B.K. Jena	AcSIR	
58.	Dipanjali Singh	Dr.N.K.Dhal* Dr. U. Subudhi	AcSIR	Evaluation of Genotoxic effects of plants induced due to heavy metals with special reference to chromium
59.	Sabnam Banoo	Dr.N.Pradhan	AcSIR	Studies on Fungus Mediated Biosynthesis of Nanomaterials, Their Characterization and Application.
60.	Ankita Behera	Dr. B. Nayak	AcSIR	Geology, Mineralogy and Geochemistry of some chromite bodies from Sukinda ultramafic complex, Odisha, India.
61.	Moni Sinha	Dr. B. Nayak	AcSIR	Effect of mineralogy on iron-ore sinter properties and its microstructure.
62.	Rahul Mitra	Dr.Manju Unnikrishnan	AcSIR	Ferroelectric and Piezoelectric Materials for Sensing Applications.
63.	Dhiman Kalita	Dr.Manju Unnikrishnan	AcSIR	Developing New Generation Perovskite Based Solar Cells: Materials and Modules.
64.	Jiten Kumar Deuri	Dr.Manju Unnikrishnan	AcSIR	Transparent Conducting Materials for Optoelectronic Applications.
65.	Partha Sarathi Nial	Dr. U. Subudhi	AcSIR	Sequence-Specific Conformational Switching in Self-assembled Nucleic Acids
66.	Rupobrata Panja	Dr.Asheesh K.Yadav	AcSIR	Bioelectrochemical System for Environmental Remediation.
67.	Jyotishree Nath	Dr.Trupti Das	AcSIR	
68.	Rajeswari Kainda	Dr. Y.S. Chaudhary	AcSIR	Development of Engineered Luminescent Material For White Light Emission Application.
69.	Sweta Bastia	Dr. Y.S. Chaudhary	AcSIR	Development of Nanostructured Photocatalytic Coatings for Air Pollutant Degradation.

70.	Bibhu Ranjan Khatua	Dr. Sony Pandey	AcSIR	
71.	Satyajeet Arya	Dr. M.G. Sujana* Dr. Remya Neelancherry, IIT Bhubaneswar	AcSIR	Removal of Pharmaceutical/Personal Care Products from Wastewater/Water by Heterogeneous Photocatalysis.
72.	Nikita Pratihary	Dr. R. Boopathy	AcSIR	In-situ synthesis of metal impregnated graphitic carbon for the removal of recalcitrant pollutants in wastewater treatment
73.	Jayasri Swain	Dr. Shahid Anwar	AcSIR	Investigations into the Synthesis, Structural and Multifunctional aspects of Lead-Free KNN-based Piezoelectric Ceramics.
74.	Navin Kumar	Dr. Ajit Panigrahi	AcSIR	High Entropy Alloy for High Temperature Applications.
75.	Debabrata Singh	Dr. J.K.Pothal	AcSIR	
76.	Rashmi Ranjan Behera	Dr. Arakshit Majhi	AcSIR	Source Apportionment Studies of Ambient Air and Health Risk Assessment in Port City, Eastern India.
77.	Rashmi Ranjan Barik	Dr. P.K. Senapati	AcSIR	
78.	Ashish Madhual	Dr. Pravat M. Mishra	AcSIR	Photocatalytic Environmental Remediation Using Bio-based Nanocomposites.
79.	Satyasish Rout	Dr. C. Eshwaraiah	AcSIR	Value addition of low-grade ores and bauxite mining waste rocks for industrial applications.
80.	Madhumita Baliarsingh	Dr. P.C. Beuria	AcSIR	Studies on Kinetics of Fluidized Bed Reduction Roasting of Indian Iron Ore Fines.
81.	Rahul Kumar Soni	Prof. Partha Sarathi Goswami* (IIT Bombay), Dr. C. Eshwaraiah	IIT Bombay	CFD-DEM coupled modelling and simulation studies of the mineral processing unit operations.
82.	Dilip Kumar Nayak	Dr. Debi Prasad Das	SOA University	Vibration Signal Processing application in mineral processing
83.	Rosalin	Dr. Nirmal Kumar Rout* and Dr. Debi Prasad Das	KIIT	Sparse Adaptive Filter and Applications
84.	Naresh Jada	Dr. Soubhik Kumar Bhaumik* Dr. Sambasiva Rao Ganneboyina (External Guide)	IIT (ISM) Dhanbad	Design, Fluid Flow and Mass transfer Studies In Multi-Helical Reactor for Integrated Liquid- Liquid Extraction and/or Stripping with Phase Separation
85.	Rahul Chandra Pradhan	Dr. Diptikanta Das* Dr. A. K. Chaubey Dr. P. C. Mishra	KIIT University	Non traditional Machining of Metal Matrix Composite

86.	Barda Prasanna Sahoo	Dr. Diptikanta Das* Dr. A. K. Chaubey Dr. P.C. Mishra	KIIT University	Synthesis, Characterization and Tribological studies of Al matrix nano-composite
87.	Aravinda Tripathy	Dr. Saroj Kumar Saranagi* Dr. A. K. Chaubey	Siksha 'O' Anusandhan University	Functionally graded metal matrix composite
88.	Puspanjali Sahu	Prof. (Dr.) R. Venugopal* Prof. (Dr.) N. R. Mandre Dr. M. S. Jena	IIT (ISM), Dhanbad	Studies on recovery of PGE values from low grade chrome ores of Boula-Nuasahi area, Odisha by froth flotation
89.	Aryasuta Nayak	Prof. (Dr.) R. Venugopal* Dr. M. S. Jena	IIT (ISM), Dhanbad	Studies on application of enhanced gravity separator for upgradation of a low grade ore
90.	Tarak Kumar Sahoo	Dr. Sisir Mantry* Dr. Sambit Kumar Parida, National Institute of Foundry and Forge Technology, Ranchi	KIIT University	Characterization of Ceria doped YSZ Coatings on Inconel Substrates for Thermal Barrier Application
91.	Sandip Nayak	Dr. Alok Satapathy*, Professor, NIT, Rourkela Dr. Sisir Mantry	N.I.T, Rourkela	Processing and Tribo-Performance analysis of waste marble dust-filled composites
92.	Ashmita Patro	Dr. Asheesh K Yadav	AcSIR	Development Biological Wastewater Treatment System.
93.	Gupteswar Samal	Dr. Manas Ku. Dalai	AcSIR	Study of Perovskite type Manganites.
94.	Satyaban Sahoo	Dr. Manas Ku. Dalai	AcSIR	Study of Topological Insulators
95.	Manasi Jena	Dr. Dipti P. Das* Dr. Manas Ku. Dalai	AcSIR	Graphene Quantum Dot Based Composites and its Application Towards Photocatalysis.
96.	Rapaka Siva Sankar	Dr. Sharmistha Anwar	AcSIR	Synthesis and Characterization of Thermoelectric Copper Selenide for Energy Harvesting.
97.	Tonmoy Kundu	Dr. Shivakumar Angadi* Dr. Pankaj Ku. Parhi	AcSIR	
98.	Shubhra Bajpai	Dr. Ashok Kumar Sahu	AcSIR	
99.	Debidutta Debasish	Dr. Ashok Kumar Sahu* Dr. Sudhanshu Shekhar Sahu	AcSIR	
100.	Rajesh Kumar Mandal	Dr. P.C. Beuria* Prof. Prasant Satpathy	AcSIR	

101.	Bhoyar Harshvardhan Vitthalrao	Dr. Satyajit Rath	AcSIR	
102.	Abdul Rauf Sheik	Dr. Kali Sanjay* Dr. Amol Kulkarni	AcSIR	
103.	Dinesh Kumar Biswal	Dr. Shivakumar Angadi	AcSIR	
104.	Priyadatta Satpathy	Dr. Trupti Das	AcSIR	
105.	Bikram Kumar Parida	Dr. Satyajit Rath* Dr. Sukant Ku. Pradhan	AcSIR	
106.	Elina Khatua	Dr. Nilotpala Pradhan	AcSIR	
107.	B S Manisha Singh	Dr. Nabin .Ku. Dhal	AcSIR	
108.	Kushalindu Biswas	Dr. Manish Kumar	AcSIR	
109.	Praneeta Pragyan Kuanr	Dr. Nabin .Ku. Dhal	AcSIR	
110.	Subhasmita Panigrahi	Dr. Nilotpala Pradhan	AcSIR	
111.	Suryakant Gouda	Dr. Nilotpala Pradhan	AcSIR	
112.	Apurba Chowdhury	Dr. Chitta Ranjan Panda	AcSIR	
113.	Ashish Kumar Maharana	Dr. Sanjib Das	AcSIR	
114.	Prabhanjan Pradhan	Dr. Biplab Kumar Patra	AcSIR	
115.	Smruti Vardhan Purohit	Dr. Bikas Kumar Jena	AcSIR	
116.	Gugulothu Rambabu	Dr. Sanjib Das	AcSIR	
117.	Subrat Rout	Dr. Biplab Kumar Patra	AcSIR	
118.	Sudhanshu Shekhar Sahoo	Dr. Bama Prasad Bag	AcSIR	
119.	Yoti Shankar Patra	Dr. Sanjib Das	AcSIR	
120.	Debadatta Sahoo	Dr. Alok Tripathy* Dr. Devananda Beura	AcSIR	
121.	Swagatika Mohanty	Dr. Manju Unnikrishnan* Dr. Dinesh Topwal	AcSIR	

* main guide