



B. J. B. AUTONOMOUS COLLEGE

BHUBANESWAR 751 014, ODISHA

<https://bjbcollege.in>

CRITERION -III

CRITERION III – 3.4: Research Publications and Awards

3.4.5: Bibliometrics of the publications during the last five years based on average Citation index in Scopus/ Web of Science

Sl No	Name of the Faculty	Title of the Paper	Year	Name of the Journal	Citations in Scopus and Web of Science
Academic Year 2022-2023					
1	Dr.Subhasmita Panda	Effectiveness of Motivational Enhancement Therapy on Self-efficacy among Patients with Substance Dependency: A Quantitative Analysis	2023	Indian Journal of Psychological Science	Web of Science Citation-0
2	Dr. Subhasmita Panda	Juvenile delinquency in Odisha (2003-2021): Understanding the trend and pattern of crime rate	2023	Scope	Scopus Citation-0
3		Management of Anger Among Adolescent Boys through Peace Education: Evidence from Two High Schools in Odisha			Scopus Citation-0
4	Dr. Debadutta Das	Influence of surfactant for stabilization and pipeline transportation	2022	ACS Omega	Scopus Citation-32

		of iron ore water slurry: a review			
	Dr. Debadutta Das	Asymmetric Synthesis of Halocyclized Products by Using Various Catalysts: A State-of-the-Art Review	2022	European Journal of Organic Chemistry	Scopus-12
	Dr. Debadutta Das	Total synthesis of natural products using gold catalysis	2022	Chemistry–An Asian Journal	Scopus-22
	Dr. Rashmita Deheri	Cascaded Raman fiber lasers with ultrahigh spectral purity	2022	Optics Letters	Scopus-11
	Dr. Saroj Kumar Rout	Reliable Functionalization of 5, 6-Fused Bicyclic N-Heterocycles Pyrazolopyrimidines and Imidazopyridazines via Zinc and Magnesium Organometallics	2022	Chemistry–A European Journal	Scopus-09
	Dr. Atia Arzoo	Biological synthesis of GO-MgO nanomaterial using Azadirachta indica leaf extract: A potential bio-adsorbent for removing Cr(VI) ions from aqueous media.	2022	Biochemical Engineering Journal	Scopus - 22
Academic Year 2021-2022					
1	Dr. Debadutta Das	Sustainable transportation, leaching, stabilization, and disposal of fly ash using a mixture of natural surfactant and sodium silicate	2021	ACS Omega	Scopus-30
2	Dr. Debadutta Das	Green strategies in formulating, stabilizing and pipeline transportation of coal water slurry in the framework of WATER-ENERGY NEXUS: A state of the art review	2021	Elsevier	Scopus - 41

	Dr. Debadutta Das	A novel approach on leaching study for removal of toxic elements from thermal power plant-based fly ash using natural bio-surfactant	2021	Case Studies in Chemical and Environmental Engineering	Scopus - 29
	Dr. Debadutta Das	Generation of fly ash and its surface modification for pipeline transportation	2021	Chapter	Scopus -04
	Dr. Debadutta Das	Improvement in the Flow Behaviour of Coal–Water Slurry Using Surfactant Mixture	2021	Chapter	Scopus-02
	Dr. Debadutta Das	Generation, Transportation and Utilization of Indian Coal Ash	2021	Springer International Publishing	Scopus-04
	Dr. Debadutta Das	Characterization and utilization of coal ash for synthesis of building materials	2021	Springer International Publishing	Scopus-17
	Dr. Debadutta Das	Prospective utilization of coal fly ash for making advanced materials	2021	Springer International Publishing	Scopus-19
	Dr. Debadutta Das	Natural dispersant in coal water slurry stabilization	2021	Springer International Publishing	Scopus-9
	Dr. Debadutta Das	DFT, anticancer, antioxidant and molecular docking investigations of some ternary Ni (II) complexes with 2-[(E)-[4-(dimethylamino) phenyl] methyleneamino] phenol	2021	Chemical Papers	Scopus-62
	Dr. Debadutta Das	An efficient synthesis towards the core of Crinipellin: TD-DFT and docking studies	2021	Journal of Saudi Chemical Society	Scopus-17
	Dr. Debadutta Das	Recent progress in chemical approaches for the development of novel neuraminidase inhibitors	2021	RSC advances	Scopus-42

8	Dr. Saroj Kumar Rout	Selective functionalization of the 1 H-imidazo [1, 2-b] pyrazole scaffold. A new potential non-classical isostere of indole and a precursor of push-pull dyes	2021	Chemical Science	Scopus-6
Academic Year 2020-2021					
1	Dr. Debadutta Das	Combined effect of natural dispersant and a stabilizer in formulation of high concentration coal water slurry: Experimental and rheological modeling	2020	Journal of Molecular Liquids	Scopus-42
2	Dr. Debadutta Das	An efficient synthesis towards the core of Crinipellin and Alliacol-B along with their docking studies	2020	Preprints	Scopus-02
3	Dr. Debadutta Das	The recent challenges of highly contagious COVID-19, causing respiratory infections: Symptoms, diagnosis, transmission, possible vaccines, animal models, and immunotherapy	2020	Chemical biology & drug design	Scopus-168
4	Dr. Debadutta Das	Microwave assisted leaching investigation for the extraction of copper (II) and chromium (III) from spent catalyst	2020	Separation and Purification Technology	Scopus-24
5	Dr. Debadutta Das	Synthesis and characterization of some binuclear metal complexes with a pentadentate azodye ligand: an experimental and theoretical study	2020	Applied Organometallic Chemistry	Scopus-34
6	Dr. Debadutta Das	Effect of particle size distribution and selective alcohol	2020	Micro and Nanosystems	Scopus-8

		additives for preparation of high concentration coal-water slurry			
7	Dr. Debadutta Das	Aqueous extract of Shikakai; a green solvent for deoximation reaction: Mechanistic approach from experimental to theoretical	2020	Journal of Molecular Liquids	Scopus-30
8	Dr. Debadutta Das	Synthesis, structural investigations and antimicrobial studies of hydrazone based ternary complexes with Cr (III), Fe (III) and La (III) ions	2020	Journal of Saudi Chemical Society	Scopus-31
9	Dr. Debadutta Das	Sustainable and Efficient Route for the Regeneration of Carbonyl Compounds from Oximes Using Aqueous Extract of <i>Sapindus laurifolia</i> under Microwave Radiation	2020	ACS omega	Scopus-26
10	Dr. Debadutta Das	Fundamental principle and practices of solvent extraction (SX) and supported liquid membrane (SLM) process for extraction and separation of rare earth metal (s)	2020	Rare-earth metal recovery for green technologies: methods and applications	Scopus-2
11	Dr. Debadutta Das	Influence of high-energy ball milling on structural, microstructural, and optical properties of Mg ₂ TiO ₄ nanoparticles	2020	Journal of Materials Science: Materials in Electronics	Scopus-23
12	Dr. Debadutta Das	Investigation on Extraction and Recovery of Rare Earth Elements from Secondary Solid Wastes	2020	Rare-Earth Metal Recovery for Green Technologies: Methods and Applications	Scopus-4
	Dr.Sabindra Kumar Samal	DDX3 modulates cisplatin resistance in OSCC through	2020	Apoptosis	Scopus-121

		ALKBH5-mediated m6A-demethylation of FOXM1 and NANOG			
Academic Year 2019-2020					
1	Dr. Debadutta Das	Stabilization and rheological behavior of fly ash–water slurry using a natural dispersant in pipeline transportation	2019	ACS omega	Scopus-41
2	Dr. Debadutta Das	Transition Metal Complexes of (E)-2 ((2-hydroxybenzylidene) amino-3-mercaptopropionic acid: XRD, Anticancer, Molecular modeling and Molecular Docking Studies	2019	ChemistrySelect	Scopus-31
3	Dr. Debadutta Das	Separation and recovery of Sc (III) from Mg–Sc alloy scrap solution through hollow fiber supported liquid membrane (HFLM) process supported by Bi-functional ionic liquid as carrier	2019	Separation Science and Technology	Scopus-21
4	Dr. Debadutta Das	Acacia concinna: A natural dispersant for stabilization and transportation of fly ash-water slurry	2019	Journal of the Taiwan Institute of Chemical Engineer	Scopus-32
5	Dr. Debadutta Das	Recent advances in urea-and thiourea-based metal complexes: biological, sensor, optical, and corrosion inhibition studies	2019	Comments on Inorganic Chemistry	Scopus-49
6	Dr. Debadutta Das	Role of maceral composition on the formulation of concentrated coal-water slurry using a natural surfactant	2019	Materials Today: Proceedings	Scopus-22

7	Dr. Saroj Kumar Rout	A radical exchange process: synthesis of bicyclo [1.1. 1] pentane derivatives of xanthates	2019	Chemical Communications	Scopus-22
8	Dr.Sabindra Kumar Samal	STAT3-and GSK3 β -mediated Mcl-1 regulation modulates TPF resistance in oral squamous cell carcinoma	2019	Carcinogenesis	Scopus-41
		Role of Molly fish on detoxification of waste water collected from Ori-plast limited, Balasore, Odisha. AA 2Abhilipsa Das, 2Yashashwi Nayak	2019	Journal of emerging technology and innovative research	Scopus-0
Academic Year 2018-2019					
1	Dr. Debadutta Das	Characterization, stabilization, and study of mechanism of coal-water slurry using <i>Sapindous Mukorossi</i> as an additive	2018	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	Scopus-28
2	Dr. Atia Arzoo	Physiological and biochemical responses induced by Nickel to plants growing at nickel polluted soil	2018	International Journal of Research in BioSciences	Scopus-0
3		Identification of oral cancer related candidate genes by integrating protein-protein interactions, gene ontology, pathway analysis and immunohistochemistry	2018	Scientific Reports	Scopus-37



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