

## **NON SCI Publication 2025**

1.	Balakrishnan, Vineeth	<i>Coal mine overburden sand as resource material for making cement concrete.</i>	International Journal of Mining and Mineral Engineering, 16 (1). pp. 73-91. 2025
2.	Bharati, Sudhir Krishna	<i>House Dust Mite Diversity and Abundance in the Human Dwellings of the Coal Mining Area of Dhanbad, India.</i>	Proceedings of the Zoological Society. 2025
3.	Chaulya, Swades Kumar and Choudhary, Monika and Kumar, Naresh and Kumar, Vikash and Chowdhury, Abhishek	<i>Smart driving assistance system for mining operations in foggy environments.</i>	Discover Electronics, 2. 2025
4.	Chaulya, Swades Kumar and Singh, Shailendra Kumar and Singh, Siddharth and Mondal, Gautam Chandra and Singh, Ranjeet Kumar and Shekhar, Sameer	<i>Integrated air quality prediction and mitigation strategies for sustainable mining operations in India.</i>	Air Quality, Atmosphere & Health. Volume 18, pages 1615–1633, 2025
5.	Hazra, Bodhisatwa and Gopinathan, P.	<i>Paleodepositional environment and source rock potential of Paleogene lignite and shale horizons in the Saurashtra Basin, Western India.</i>	International Journal of Coal Science & Technology. ISSN 2095-8293 2025
6.	Kumar, Prem and Rai, Jaya and Usham, Arnold Luwang and Shukla, Avinash	<i>Identification and Development of Geoheritage Sites into Geotourism Sites and their Challenges: An Indian Perspective.</i>	International Journal for Multidisciplinary Research, 7 (4). 2025
7.	Kumar, Ritesh and Chakrabarty, Gaurav and Roy, Sanjay Kumar and Varwade, Kartik and Singh, Anand and Kumar, Manish and Mahato, Swapan	<i>Remote Sensing and GIS Applications in Managing Landslides along National Highways in India: A Focus on Himalayan Regions.</i>	Middle East Journal of Applied Science & Technology (MEJAST) , 8 (3). pp. 37-55. 2025
8.	Lahiri, Sivaji	<i>Genesis of coexisting authigenic ferric illite and glauconite in the Deodongar Sandstones, Chattisgarh Basin, India: Unraveling redox dynamics of a Mesoproterozoic Sea.</i>	Precambrian Research, 420. 2025
9.	Mandal, Pintu Kumar and Mishra, Manoj Kumar and Mohalik, Niroj Kumar	<i>Thermal and spectral Studies to Assess the spontaneous Combustion Propensity of coal seams of Raniganj Coalfield, India.</i>	Journal of Mines, Metals & Fuels, 73 (9). pp. 2941-2951. 2025
10.	Mohalik, Niroj Kumar and Pandey, Jai Krishna	<i>Fluid Flow Analysis of a Mine Ventilation Axial Fan Using CFD Techniques.</i>	Proceedings of Fluid Mechanics and Fluid Power (FMFP) 2023, 4. pp. 469-481.2025
11.	Pandey, Bhanu	<i>Environmental and Health Impacts of Uranium Mining in Jadugoda, Jharkhand.</i>	Kahaar , 12 (1). pp. 45-50. 2025
12.	Pandey, Bhanu	<i>Sustainable Solutions for Global Land Degradation: Natural Farming Perspectives.</i>	Kahaar, 12 (2). pp. 25-34. 2025
13.	Rana, A. and Gond, A.K. and Rakshit , C. and Kumar, S. and Sawmliana, C.	<i>Minimum invasive drill-and-blast designs for optimizing pull efficiency and minimizing overbreaks/underbreaks in varying rock masses.</i>	Geomechanics and Tunnelling. 2025

14.	Ray, S. K. and Mishra, D. and Mohalik, N. K. and Pandey, J. and Khan, A. M. and Kumar, Aditya and Pandey, J. K.	<i>Reopening and Recovery of Fire Affected Sealed Panels: A Scientific Approach.</i>	Journal of The Institution of Engineers (India): Series D. 2025	
15.	Santosh, M.S. and Kumari, Sandhyawasini and Tripathy, Amrita	<i>Mechanistic insights into the photocatalytic and electrocatalytic activities of MgNiO<sub>2</sub> : role of reactive oxygen species and oxygen vacancies.</i>	RSC Applied Interfaces, 47. 2025	
16.	Sharma, Sadanand and Mendhe, Vinod Atmaram and Sharma, Hrishabh Hansraj	<i>Kaolinite as a Carrier Mineral of Rare Earth Elements in Coal: A Geochemical and Environmental Perspective.</i>	Bhartiya Vaigyanic Evam Audhyogik Anusandhan Patrika (Hindi), 33 (2). pp. 102-108. 2025	
17.	Singh, Krishna Murari Prasad	<i>IMPACT OF SOLAR RADIATION AND HEAT TRANSFER ALONG THE RIVER DAMODAR.</i>	High Technology Letters, 31 (8). pp. 537-562. 2025	