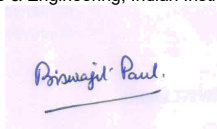


Biswajit Paul

Professor, Department of Environmental Science & Engineering, Indian Institute of
Mining Environment
Environmental Geotechnology
Soil Mechanics
Fly Ash



	All	Since 2020
Citations	2028	1440
h-index	21	18
i10-index	33	27

TITLE	MERGE	DELETE	EXPORT	CITED BY	YEAR
The global menace of arsenic and its conventional remediation-A critical review A Sarkar, B Paul Chemosphere 158, 37-49				574	2016
Comparison of performance and emissions characteristics of DI CI engine fueled with dual biodiesel blends of palm and jatropha A Nalgundwar, B Paul, SK Sharma Fuel 173, 172-179				216	2016
Assessment of heavy metal toxicity related with human health risk in the surface water of an industrialized area by a novel technique B Paul, P Saha Human and Ecological Risk Assessment: An International Journal 24				140	2018
Sustainable approaches for LD slag waste management in steel industries: a review S Chand, B Paul, M Kumar Metallurgist 60, 116-128				76	2016
A study on physico chemical properties of overburden dump materials from selected coal mining areas of Jharia coalfields, Jharkhand, India AK Rai, B Paul, G Singh International journal of environmental sciences 1 (6), 1350-1360				66	2011
The groundwater arsenic contamination in the Bengal Basin-A review in brief A Sarkar, B Paul, GK Darbha Chemosphere 299, 134369				62	2022
Assessment of heavy metal pollution in water resources and their impacts: A review P Priti, B Paul Journal of Basic and Applied Engineering Research 3 (8), 671-675				60	2016
A review on utilisation of coal mine overburden dump waste as underground mine filling material: a sustainable approach of mining AK Gupta, B Paul International Journal of Mining and Mineral Engineering 6 (2), 172-186				58	2015
A study on the Bulk density and its effect on the growth of selected grasses in coal mine overburden dumps, Jharkhand, India AK Rai, B Paul, G Singh International Journal of Environmental Sciences 1 (4), 677-684				52	2010
Synthesis, characterization and application of surface-modified biochar synthesized from rice husk, an agro-industrial waste for the removal of hexavalent chromium from ... A Sarkar, A Ranjan, B Paul Clean Technologies and Environmental Policy 21, 447-462				49	2019
Characteristics of ferrospheres in fly ashes derived from Bokaro and Jharia (Jharkand, India) coals B Valentim, N Shreya, B Paul, CS Gomes, H Sant'Ovaia, A Guedes, ... International Journal of Coal Geology 153, 52-74				45	2016
An overview of use of Linz-Donawitz (LD) steel slag in agriculture S Chand, B Paul, M Kumar Current World Environment 10 (3), 975				41	2015
Ecorestoration of coal mine overburden dump to prevent environmental degradation: a review AK Gupta, B Paul Research Journal of Environmental Sciences 9 (7), 307				38	2015
Studies of selected water quality parameters of river Ganges at Patna, Bihar AK Rai, B Paul, L Mudra, N Kishor Journal of advanced laboratory research in biology 2 (4), 136-140				35	2011
A study on backfill properties and use of fly ash for highway embankments AK Rai, B Paul, G Singh Journal of advanced laboratory research in biology 1 (2), 110-114				35	2010
Short-term leaching study of heavy metals from LD slag of important steel industries in Eastern India S Chand, B Paul, M Kumar Journal of Material Cycles and Waste Management 19, 851-862				32	2017
Groundwater quality assessment in an industrial hotspot through interdisciplinary techniques P Saha, B Paul Environmental Monitoring and Assessment 191, 1-20				29	2019
Notes on the occurrence of phosphate mineral relics and spheres (phosphospheres) in coal and biomass fly ash B Valentim, D Flores, A Guedes, R Guimarães, N Shreya, B Paul, ... International Journal of Coal Geology 154, 43-56				26	2016
A comparative study of physicochemical and mineralogical properties of LD Slag from some selected steel plants in India S Chand, B Paul, M Kumar Journal of environmental science and technology 9 (1), 75				26	2016
Augmenting the stability of OB dump by using fly ash: a geo technical approach to sustainably manage OB dump at Jharia Coalfield, India AK Gupta, B Paul Current World Environment 11 (1), 204-211				23	2016
Identification of potential strategic sites for city planning based on water quality through GIS-AHP-integrated model P Saha, B Paul Environmental Science and Pollution Research 28 (18), 23073-23086				21	2021
Suitability assessment of surface water quality with reference to drinking, irrigation and fish culture: a human health risk perspective P Saha, B Paul Bulletin of environmental contamination and toxicology 101, 262-271				20	2018
Multi-technique study of fly ash from the Bokaro and Jharia coalfields (Jharkhand state, India): a contribution to its use as a geoliner N Shreya, B Valentim, B Paul, A Guedes, S Pinho, J Ribeiro, CR Ward, ... International Journal of Coal Geology 152, 25-38				20	2015
A review on the recent scenario of municipal solid waste management in India S Keisham, B Paul International journal of engineering research and general science 3 (3), 528-542				19	2015



TITLE	MERGE	DELETE	EXPORT	CITED BY	YEAR
Synthesis, characterization of iron-doped TiO₂ (B) nanoribbons for the adsorption of As (III) from drinking water and evaluating the performance from the perspective of ... A Sarkar, B Paul Journal of Molecular Liquids 322, 114556				18	2021
Analysis of the performance of zirconia-multiwalled carbon nanotube nanoheterostructures in adsorbing As (V) from potable water from the aspects of physical chemistry with an ... A Sarkar, B Paul Microporous and Mesoporous Materials 302, 110191				18	2020
Evaluation of the performance of zirconia-multiwalled carbon nanotube nanoheterostructures in adsorbing As (III) from potable water from the perspective of physical chemistry ... A Sarkar, B Paul Chemosphere 242, 125234				18	2020
Underground coal gasification: a neglected option MK Ghose, B Paul International Journal of Environmental Studies 64 (6), 777-783				17	2007
Challenges in arid region reclamation with special reference to Indian Thar Desert—its conservation and remediation techniques J Rani, B Paul International Journal of Environmental Science and Technology 20 (11), 12753 ...				12	2023
Comparative spectroscopic analysis, performance and emissions evaluation of <i>Madhuca longifolia</i> and <i>Jatropha curcas</i> produced biodiesel R Chatterjee, SK Mukherjee, B Paul, S Chattopadhyaya Environmental Science and Pollution Research 28, 62444-62460				11	2021
Comparative analysis of different materials to be used for backfilling in underground mine voids with a particular reference to hydraulic stowing AK Gupta, B Paul International Journal of Oil, Gas and Coal Technology 15 (4), 425-434				11	2017
Degradation of soil quality parameters due to coal mining operations in Jharia coalfield, Jharkhand, India AK Rai, B Paul Journal of Advanced Laboratory Research in Biology 2 (2), 51-56				11	2011
Fabrication of One Dimensional MnO₂-TiO₂ Nano-heterostructures for Enhanced Hole Mediated Oxidation of As(III) in Potable Water A Sarkar, A Sarkar, B Paul, G Khan, Gobinda Chemcatcher				10	2018
Vermicular kaolinite relics in fly ash derived from Bokaro and Jharia coals (Jharkhand, India) B Valentim, D Flores, A Guedes, N Shreya, B Paul, CR Ward International Journal of Coal Geology 162, 151-157				9	2016
Investigation into utilization of fly-ash in economic management of mining degraded land with special reference to TISCO lease hold area in Jharia Coalfield B Paul Unpublished doctoral thesis, Indian School of Mines, Dhanbad, India				9	2001
Designing of functionalized MWCNTs/anodized stainless steel heterostructure electrode for anodic oxidation of low concentration as (III) in drinking water A Sarkar, A Sarkar, B Paul, GG Khan ChemistrySelect 4 (32), 9367-9375				8	2019
The global menace of arsenic and its conventional remediation-A critical review (vol 158, pg 37, 2016) A Sarkar, B Paul Chemosphere 173, 630-631				8	2017
Evaluation of spectroscopic analysis, performance and emissions of enriched <i>Jatropha</i> and <i>Madhuca</i> methyl ester for clean environment R Chatterjee, SK Mukherjee, B Paul, S Chattopadhyaya Clean Technologies and Environmental Policy 24 (7), 2295-2312				7	2022
Long-term leaching assessment of constituent elements from Linz–Donawitz slag of major steel industries in India S Chand, SK Chand, B Paul, M Kumar International Journal of Environmental Science and Technology 16, 6397-6404				7	2019
Geochemical and environmental risk assessment of hazardous elements in river sediment J Kumari, B Paul Environmental Earth Sciences 76, 1-12				7	2017
Fly ash Characterization of Jharkhand (India) by Laser granulometry and SEM-EDS N Shreya, B Paul, B Valentim, J Ribeiro, D Flores Comunicações Geológicas 101 (Especial II), 851-854				7	2014
A study on the physico-chemical analysis of water quality parameters of Patna district, Bihar, India. AK Rai, BP Biswajit Paul, GS Gurdeep Singh				6	2011
Water quality assessment techniques P Saha, B Paul Sustainable Agriculture Reviews 40, 179-216				5	2020
A Study on the Seasonal Variations of Different Physico chemical Water Quality Parameters of Indrapuri Dam Rohtas District Bihar AK Rai, F Diba, B Paul International Journal of Environmental Sciences 2 (3), 125-129				5	2013
Physico chemical properties of fly ash and soil from TISCO power plant, Jharia coalfield, Jharkhand, India AK Rai, B Paul, G Singh Journal of Report and Opinion 2 (10), 50-57				5	2010
Spatiotemporal variation in primary nutrients amassing in peninsular river sediment: India J Kumari, B Paul Environmental Earth Sciences 78, 1-12				4	2019
Corrigendum to" The global menace of arsenic and its conventional remediation-A critical review"[Chemosphere 158 (September)(2016) 37-49]. A Sarkar, B Paul Chemosphere 173, 630-631				4	2017
Notes on the occurrence of char plerospheres in fly ashes derived from Bokaro and Jharia coals (Jharkhand, India) and the influence of the combustion conditions on their genesis B Valentim, D Flores, A Guedes, N Shreya, B Paul, CR Ward International Journal of Coal Geology 158, 29-43				4	2016
Microbial degradation of expired slurry explosives in mines: a review Anuradha, B Paul, Jagdish International Journal of Environmental Studies 72 (1), 117-131				4	2015

TITLE	MERGE	DELETE	EXPORT	CITED BY	YEAR
Effective utilization and environmental management of fly ash as a geoliner constituent material N Shreya, B Paul Journal of Biodiversity and Environmental Sciences 6 (1), 513-521				4	2015
An overview on steel plant waste management in India S Chand, B Paul Strategic Technologies of Complex, Environmental Issues-A Sustainable Approach				4	2014
A study on the environmental aspects of coal ash disposal AK Rai, B Paul, G Singh Indian Journal of Environmental Protection 30 (12), 1025-1029				4	2010
Studies On Leachate Samples Of Overburden Materials From Some Selected Mines In Jharia Coalfield, Dhanbad, Jharkahnd, India AK Rai, B Paul, G Singh				3	2010
A perspective of petroleum, natural gas, and coal bed methane on the energy security of India MK Ghose, B Paul Energy Sources, Part B 3 (4), 411-419				3	2008
Planning of risk assessment and safety management in Indian surface mines N Kumar, B Paul Journal of Mines Metals and Fuels 52 (11), 314-317				3	2006
Ecological risk assessment of heavy metals in soils of lignite mining area of Kutch district of Gujarat, India BP J Rani Environmental Monitoring and Assessment 196 (766), https://doi.org/10.1007...				2	2024
Towards a sustainable geoliner construction in landfills by potential blending of fly ash with kaolin clay alternative: a review with an insight to Indian scenario K Kumar, B Paul Waste Disposal & Sustainable Energy 6 (2), 243-258				2	2024
Indirect Aqueous Mineral Carbonation of Samples of Linz–Donawitz Slag from the Steel Industry in Eastern India S Chand, SK Chand, B Paul, M Kumar, PR Rout Journal of Hazardous, Toxic, and Radioactive Waste 27 (4), DOI: 10.1061 ...				2	2023
Geospatial assessment of mining activities and environmental planning in a populated coal block of Jharia Coalfield, India P Saha, B Paul Asian Mining Congress, The Mining Geological and Metallurgical Institute of ...				2	2017
Environmental Impact Assessment and Planning Through Geospatial Technique-An Integrated Approach in A Coal Mining Block of Jharia Coalfield M Saha, B Paul, A Gupta, S Saha Proceedings on 6th Asian Mining Congress				2	2016
Review on Dewatering Pumping Network for Underground Coal Mine N Kumar, S Sarkar, B Paul Proceedings Of the 1th International and 16th National Conference On ...				2	2013
Comparison of the dewatering of underground and open pit coal mine pumping systems in (BCCL), Dhanbad, Jharkhand, India PK Rajak, S Sarkar, B Paul IOP Conference Series: Materials Science and Engineering 377 (1), 012152				1	2018
Assessment of socio-economic impacts due to mine closure—a conceptual model A Manjunath, PS Paul, B Paul Journal of Mines, Metals and Fuels 64 (8), 341-347				1	2016
Investigations of Overburden Dump Characteristics for Reclamation in a Critical Coal Mining Area in India. S Nand, B Paul, MK Ghose Environmental Quality Management 25 (1)				1	2015
Assessment of Physicochemical Properties of Flash from TISCO Power Plant, Jamadoba, Jharia Coalfields, Jharkhand, India AK Rai, B Paul, G Singh Journal of advanced laboratory research in biology 2 (1), 1-7				1	2011
The Preliminary Characterisation of Flyash From Jamadoba Thermal Power Station (JTPS), Jharia Coalfields, Jharkhand AK Rai, B Paul, G Singh International Journal of Environment and Pollution 31, 617-626				1	2011
Utilization of Coal Combustion Residue in Reclamation of Mining Degraded Lands in Jharia Coal Field, India-A Case Study. B Paul Journal of Solid Waste Technology & Management 36 (1)				1	2010
A study on the beneficial utilization of fly ash from power plant in bio reclamation, Jharkhand, India. AK Rai, B Paul, G Singh Researcher. 2 (10), 36 40				1	2010
Extraction and chemical characterization of humic acid produced from lignite coals of arid region of Gujarat, Western India J Rani, S Kumari, B Paul Scientific Reports 14 (1), 30923					2024
Summary of-Indirect Aqueous Mineral Carbonation of Samples of Linz-Donawitz Slag from the Steel Industry in Eastern India S Chand, S Keshari Chand, M Kumar, B Paul, P Ranjan Rout					2023
Environmental Impact Assessment through Integrated Approaches in a Coal Mining Area: A Case Study of Jharia coalfield, India P Saha, B Paul Multidimensional Outlook on Environment, 13					2021
Sustainable Approaches for LD Slag Waste Management in Steel Industries: A Review (vol 60, pg 116, 2016) S Chand, B Paul, M Kumar METALLURGIST 60 (3-4), 467-467					2016
Development of the Method of Simultaneous Backfilling in Highly Inclined and Deep Opencast Mines: A Case Study of India. S Nand, B Paul, MK Ghose TERI Information Digest on Energy & Environment (TIDEE) 14 (2)					2015
A short note on the characterisation of fly ash from Chandrapura thermal power station, Bokaro, Jharkhand, India. AK Rai, BP Biswajit Paul, GS Gurdeep Singh					2011
Utilization of coal ash for sustainable development of mining degraded lands/abandoned open cast mines B Paul Water and Energy Abstracts 16 (1)					2006
Utilization of coal ash in bio-reclamation of mining degraded lands/abandoned opencast mines B Paul Journal of Mines, Metals & Fuels 52 (11), 347-350					2004
Evaluating the effect of fly ash on soil properties and germination of Oryza sativa: A study on the utilization of thermal power plant residue					

TITLE	MERGE	DELETE	EXPORT	CITED BY	YEAR
B Paul, A Samanta, N Bhattacharyya					
Air Pollution—Its Impacts and Management in Mining Areas					
AK Pal, B Paul					
JOURNAL OF ADVANCED LABORATORY RESEARCH IN BIOLOGY					
AK Rai, B Paul, G Singh					
CRITICAL APPRAISAL OF ENVIRONMENTAL IMPACT ASSESSMENT NOTIFICATION, 2006 IN INDIA					
P SAHA, B PAUL					
PRESENT CHANGING SCENARIO OF FINANCIAL INCLUSION IN WEST BENGAL: AN OVERVIEW					
B Paul					
CMRI, Dhanbad-826001, India					
B Paul					
Bio-reclamation of coal mining subsided lands/abandoned open cast mines vis-à-vis utilization of coal ash.					
B Paul					
HYDROGEOLOGIC CHARACTERISTICS OF RECLAIMED OPENCAST COAL MINE					
B Paul, SK Maiti, G Singh, T Kumar					
Neha Shreya					
B Paul					
Characterization of Coal Mine Refuse as Mine Filling Material a Sustainable Approach of Mining					
AK Gupta, B Paul					
Strategic Technologies of Complex Environmental Issues-A Sustainable ...					

