

Subodh Kumar Maiti

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2322960/subodh-kumar-maiti-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

123
papers

2,626
citations

31
h-index

45
g-index

128
ext. papers

3,292
ext. citations

3.9
avg, IF

6.37
L-index

#	Paper	IF	Citations
123	Development of mine soil quality index (MSQI) for evaluation of reclamation success: A chronosequence study. <i>Ecological Engineering</i> , 2014 , 71, 10-20	3.9	114
122	Use of Reclaimed Mine Soil Index (RMSI) for screening of tree species for reclamation of coal mine degraded land. <i>Ecological Engineering</i> , 2013 , 57, 133-142	3.9	91
121	Bioaccumulation and translocation of metals in the natural vegetation growing on fly ash lagoons: a field study from Santaldih thermal power plant, West Bengal, India. <i>Environmental Monitoring and Assessment</i> , 2008 , 136, 355-70	3.1	91
120	Assessment of the capability of remote sensing and GIS techniques for monitoring reclamation success in coal mine degraded lands. <i>Journal of Environmental Management</i> , 2016 , 182, 272-283	7.9	77
119	Investigations on PAHs and trace elements in coal and its combustion residues from a power plant. <i>Fuel</i> , 2015 , 162, 138-147	7.1	75
118	Seasonal variation in heavy metal contaminations in water and sediments of Jamshedpur stretch of Subarnarekha river, India. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	67
117	Assessment of soil properties of different land uses generated due to surface coal mining activities in tropical Sal (<i>Shorea robusta</i>) forest, India. <i>Catena</i> , 2016 , 140, 155-163	5.8	65
116	Bioreclamation of coalmine overburden dumps--with special emphasis on micronutrients and heavy metals accumulation in tree species. <i>Environmental Monitoring and Assessment</i> , 2007 , 125, 111-22	3.1	63
115	Effects of Anthropogenic Pollution on Mangrove Biodiversity: A Review. <i>Journal of Environmental Protection</i> , 2013 , 04, 1428-1434	0.6	62
114	Changes in ecosystem carbon pool and soil CO flux following post-mine reclamation in dry tropical environment, India. <i>Science of the Total Environment</i> , 2017 , 583, 153-162	10.2	58
113	SOIL CO ₂ FLUX IN GRASSLAND, AFFORESTED LAND AND RECLAIMED COALMINE OVERBURDEN DUMPS: A CASE STUDY. <i>Land Degradation and Development</i> , 2014 , 25, 216-227	4.4	58
112	Ecological restoration of waste dumps by topsoil blanketing, coir-matting and seeding with grass-legume mixture. <i>Ecological Engineering</i> , 2015 , 77, 74-84	3.9	50
111	Development of Technosol properties and recovery of carbon stock after 16 years of revegetation on coal mine degraded lands, India. <i>Catena</i> , 2018 , 166, 114-123	5.8	49
110	Assessment of potentially toxic heavy metal contamination in agricultural fields, sediment, and water from an abandoned chromite-asbestos mine waste of Roro hill, Chaibasa, India. <i>Environmental Earth Sciences</i> , 2015 , 74, 2617-2633	2.9	48
109	Ecorestoration of the coalmine degraded lands 2013 ,		48
108	Development of carbon, nitrogen and phosphate stocks of reclaimed coal mine soil within 8 years after forestation with <i>Prosopis juliflora</i> (Sw.) Dc.. <i>Catena</i> , 2017 , 156, 42-50	5.8	46
107	Soil development in 201 years old coalmine reclaimed spoil with trees: A case study from Sonapur-Bazari opencast project, Raniganj Coalfield, India. <i>Ecological Engineering</i> , 2015 , 84, 311-324	3.9	45

106	Sources, toxicity, and remediation of mercury: an essence review. <i>Environmental Monitoring and Assessment</i> , 2019 , 191, 566	3.1	45
105	Distribution of PM(2.5) and PM(10-2.5) in PM(10) fraction in ambient air due to vehicular pollution in Kolkata megacity. <i>Environmental Monitoring and Assessment</i> , 2006 , 122, 111-23	3.1	45
104	Bioavailability of metals in fly ash and their bioaccumulation in naturally occurring vegetation: a pilot scale study. <i>Environmental Monitoring and Assessment</i> , 2006 , 116, 263-73	3.1	44
103	Ecological risk assessment of mercury and other heavy metals in soils of coal mining area: A case study from the eastern part of a Jharia coal field, India. <i>Human and Ecological Risk Assessment (HERA)</i> , 2017 , 23, 767-787	4.9	43
102	Abatement of cadmium (Cd) contamination in sediment using tea waste biochar through meso-microcosm study. <i>Journal of Cleaner Production</i> , 2019 , 212, 986-996	10.3	42
101	Comparison between availability of heavy metals in dry and wetland tailing of an abandoned copper tailing pond. <i>Environmental Monitoring and Assessment</i> , 2008 , 137, 343-50	3.1	40
100	Identification of metal tolerant plant species in mangrove ecosystem by using community study and multivariate analysis: a case study from Indian Sunderban. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	40
99	Seasonal variation of heavy metals in water, sediment, and highly consumed cultured fish (<i>Labeo rohita</i> and <i>Labeo bata</i>) and potential health risk assessment in aquaculture pond of the coal city, Dhanbad (India). <i>Environmental Science and Pollution Research</i> , 2018 , 25, 12464-12480	5.1	39
98	Growth of <i>Cymbopogon citratus</i> and <i>Vetiveria zizanioides</i> on Cu mine tailings amended with chicken manure and manure-soil mixtures: a pot scale study. <i>International Journal of Phytoremediation</i> , 2009 , 11, 651-63	3.9	39
97	Assessment of carbon sequestration potential of revegetated coal mine overburden dumps: A chronosequence study from dry tropical climate. <i>Journal of Environmental Management</i> , 2017 , 201, 369-377	7.9	36
96	Metabolic pathways for lipid synthesis under nitrogen stress in <i>Chlamydomonas</i> and <i>Nannochloropsis</i> . <i>Biotechnology Letters</i> , 2017 , 39, 1-11	3	34
95	Effect of Organic Manures on the Growth of <i>Cymbopogon citratus</i> and <i>Chrysopogon zizanioides</i> for the Phytoremediation of Chromite-Asbestos Mine Waste: A Pot Scale Experiment. <i>International Journal of Phytoremediation</i> , 2015 , 17, 437-47	3.9	34
94	Trace metal accumulation and natural mycorrhizal colonisation in an afforested coalmine overburden dump: a case study from India. <i>International Journal of Mining, Reclamation and Environment</i> , 2011 , 25, 187-207	2.2	32
93	Ecological restoration of acidic coalmine overburden dumps - an Indian case study. <i>Land Contamination and Reclamation</i> , 2005 , 13, 361-369		31
92	Grasses and legumes facilitate phytoremediation of metalliferous soils in the vicinity of an abandoned chromite-Asbestos mine. <i>Journal of Soils and Sediments</i> , 2017 , 17, 1358-1368	3.4	29
91	Assessment of heavy metal in the water, sediment, and two edible fish species of Jamshedpur Urban Agglomeration, India with special emphasis on human health risk. <i>Human and Ecological Risk Assessment (HERA)</i> , 2018 , 24, 1477-1500	4.9	29
90	Assessing the ecological health risk in a conserved mangrove ecosystem due to heavy metal pollution: A case study from Sundarbans Biosphere Reserve, India. <i>Human and Ecological Risk Assessment (HERA)</i> , 2016 , 22, 1519-1541	4.9	29
89	(L.) (Indian mustard): a putative plant species to facilitate the phytoremediation of mercury contaminated soils. <i>International Journal of Phytoremediation</i> , 2020 , 22, 733-744	3.9	27

88	Sources, bioaccumulation, health risks and remediation of potentially toxic metal(loid)s (As, Cd, Cr, Pb and Hg): an epitomised review. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 108	3.1	27
87	Fertilizer assisted optimal cultivation of microalgae using response surface method and genetic algorithm for biofuel feedstock. <i>Energy</i> , 2016 , 115, 1272-1290	7.9	27
86	Reclamation of coal mine spoil and its effect on Technosol quality and carbon sequestration: a case study from India. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 27992-28003	5.1	27
85	Importance of carbon fractionation for the estimation of carbon sequestration in reclaimed coalmine soils: A case study from Jharia coalfields, Jharkhand, India. <i>Ecological Engineering</i> , 2016 , 90, 135-140	3.9	26
84	Identifying the source and accessing the spatial variations, contamination status, conservation threats of heavy metal pollution in the river waters of Sunderban biosphere reserve, India. <i>Journal of Coastal Conservation</i> , 2016 , 20, 257-269	1.9	26
83	Metal accumulation in <i>A. baccifera</i> growing naturally on abandoned copper tailings pond. <i>Environmental Monitoring and Assessment</i> , 2007 , 127, 119-25	3.1	25
82	Differential distribution of metals in tree tissues growing on reclaimed coal mine overburden dumps, Jharia coal field (India). <i>Environmental Science and Pollution Research</i> , 2018 , 25, 9745-9758	5.1	24
81	Municipal wastewater treatment potential and metal accumulation strategies of <i>Colocasia esculenta</i> (L.) Schott and <i>Typha latifolia</i> L. in a constructed wetland. <i>Environmental Monitoring and Assessment</i> , 2018 , 190, 328	3.1	24
80	Bioaccumulation of metals in timber and edible fruit trees growing on reclaimed coal mine overburden dumps. <i>International Journal of Mining, Reclamation and Environment</i> , 2016 , 30, 231-244	2.2	23
79	Metal contamination in water and bioaccumulation of metals in the planktons, molluscs and fishes in Jamshedpur stretch of Subarnarekha River of Chotanagpur plateau, India. <i>Water and Environment Journal</i> , 2015 , 29, 207-213	1.7	23
78	Heavy metal speciation, leaching and toxicity status of a tropical rain-fed river Damodar, India. <i>Environmental Geochemistry and Health</i> , 2018 , 40, 2303-2324	4.7	23
77	Health risk assessment of tiger prawn seed collectors exposed to heavy metal pollution in the conserved mangrove forest of Indian Sundarbans: A socio-environmental perspective. <i>Human and Ecological Risk Assessment (HERA)</i> , 2017 , 23, 203-224	4.9	20
76	Dynamics of mangrove diversity influenced by climate change and consequent accelerated sea level rise at Indian Sundarbans. <i>International Journal of Global Warming</i> , 2016 , 9, 486	0.6	20
75	Properties of mine soil and its affects on bioaccumulation of metals in tree species: case study from a large opencast coalmining project. <i>International Journal of Mining, Reclamation and Environment</i> , 2006 , 20, 96-110	2.2	20
74	Ecological Restoration of Coal Mine-Degraded Lands in Dry Tropical Climate: What Has Been Done and What Needs to Be Done?. <i>Environmental Quality Management</i> , 2016 , 26, 25-36	0.8	20
73	Ecological Risk Assessment of Metals Contamination in the Sediments of Natural Urban Wetlands in Dry Tropical Climate. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016 , 97, 407-12	2.7	19
72	Estimation of carbon sequestration in reclaimed coalmine degraded land dominated by <i>Albizia lebbeck</i> , <i>Dalbergia sissoo</i> and <i>Bambusa arundinacea</i> plantation: a case study from Jharia Coalfields, India. <i>International Journal of Coal Science and Technology</i> , 2016 , 3, 246-266	4.5	19
71	Translocation and bioaccumulation of metals in <i>Oryza sativa</i> and <i>Zea mays</i> growing in chromite-asbestos contaminated agricultural fields, Jharkhand, India. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014 , 93, 434-41	2.7	19

70	Biodiversity variability and metal accumulation strategies in plants spontaneously inhibiting fly ash lagoon, India. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 22990-23005	5.1	19
69	Can biochar reclaim coal mine spoil?. <i>Journal of Environmental Management</i> , 2020 , 272, 111097	7.9	19
68	Assessment of soil carbon pool, carbon sequestration and soil CO ₂ flux in unreclaimed and reclaimed coal mine spoils. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	18
67	Bioaccumulation of potentially toxic elements in tree and vegetable species with associated health and ecological risks: a case study from a thermal power plant, Chandrapura, India. <i>Rendiconti Lincei</i> , 2019 , 30, 649-665	1.7	18
66	Ameliorative effect of Lantana camara biochar on coal mine spoil and growth of maize (Zea mays). <i>Soil Use and Management</i> , 2020 , 36, 726-739	3.1	18
65	Biochar assisted phytoremediation and biomass disposal in heavy metal contaminated mine soils: a review. <i>International Journal of Phytoremediation</i> , 2021 , 23, 559-576	3.9	18
64	Evaluation of Potential Human Health Risks from Toxic Metals via Consumption of Cultured Fish Species Labeo rohita: A Case Study from an Urban Aquaculture Pond. <i>Exposure and Health</i> , 2019 , 11, 33-46	8.8	18
63	METAL ACCUMULATION IN 5 NATIVE PLANTS GROWING ON ABANDONED CU-TAILINGS PONDS. <i>Applied Ecology and Environmental Research</i> , 2007 , 5, 27-35	1.9	17
62	Mercury remediation potential of Brassica juncea (L.) Czern. for clean-up of flyash contaminated sites. <i>Chemosphere</i> , 2020 , 248, 125857	8.4	17
61	Reclamation of coalmine spoils with topsoil, grass, and legume: a case study from India. <i>Environmental Earth Sciences</i> , 2019 , 78, 1	2.9	14
60	Evaluation of toxic metal(loid)s concentration in soils around an open-cast coal mine (Eastern India). <i>Environmental Earth Sciences</i> , 2019 , 78, 1	2.9	13
59	Assessment of Heavy Metals Contamination in Reclaimed Mine Soil and their Accumulation and Distribution in Eucalyptus Hybrid. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017 , 98, 97-104	2.7	13
58	How to communicate climate change 'impact and solutions' to vulnerable population of Indian Sundarbans? From theory to practice. <i>SpringerPlus</i> , 2016 , 5, 1219		13
57	Fine root biomass and the associated C and nutrient pool under the alder (Alnus spp.) plantings on reclaimed technosols. <i>Geoderma</i> , 2019 , 337, 1021-1027	6.7	13
56	An approach to counter sediment toxicity by immobilization of heavy metals using waste fish scale derived biosorbent. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 187, 109833	7	13
55	Bioaccumulation of potentially toxic elements in three mangrove species and human health risk due to their ethnobotanical uses. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 33042	5.1	12
54	Accumulation of metals by naturally growing herbaceous and tree species in iron ore tailings. <i>International Journal of Environmental Studies</i> , 2005 , 62, 593-603	1.8	11
53	Metal Accumulation Strategies of Emergent Plants in Natural Wetland Ecosystems Contaminated with Coke-Oven Effluent. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018 , 101, 55-60	2.7	11

52	Changes in soil properties and carbon fluxes following afforestation and agriculture in tropical forest. <i>Ecological Indicators</i> , 2021 , 123, 107354	5.8	10
51	Toxic metal(loid)s contamination and potential human health risk assessment in the vicinity of century-old copper smelter, Karabash, Russia. <i>Environmental Geochemistry and Health</i> , 2020 , 42, 4113-4124	4.7	10
50	Assessment of Forest Ecosystem Development in Coal Mine Degraded Land by Using Integrated Mine Soil Quality Index (IMSQI): The Evidence from India. <i>Forests</i> , 2020 , 11, 1310	2.8	9
49	Health risk assessment of lead, mercury, and other metal(loid)s: A potential threat to the population consuming fish inhabiting, a lentic ecosystem in Steel City (Jamshedpur), India. <i>Human and Ecological Risk Assessment (HERA)</i> , 2019 , 25, 2174-2192	4.9	8
48	Evaluation of heavy metal contamination in roadside deposited sediments and road surface runoff: a case study. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	8
47	Effect of Fast-Growing Trees on Soil Properties and Carbon Storage in an Afforested Coal Mine Land (India). <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 840	2.4	8
46	Ecological Restoration of Coal Mine Degraded Lands 2019 , 83-111		8
45	Chronological Variation of Metals in Reclaimed Coal Mine Soil and Tissues of Eucalyptus Hybrid Tree After 25 Years of Reclamation, Jharia Coal Field (India). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018 , 101, 604-610	2.7	8
44	Evaluation of ecological restoration success in mining-degraded lands. <i>Environmental Quality Management</i> , 2019 , 29, 89-100	0.8	7
43	COMPARATIVE STUDY ON BIOACCUMULATION AND TRANSLOCATION OF METALS IN BERMUDA GRASS (CYNODON DACTYLON) NATURALLY GROWING ON FLY ASH LAGOON AND TOPSOIL. <i>Applied Ecology and Environmental Research</i> , 2016 , 14, 1-12	1.9	7
42	Risk assessment of potentially toxic elements in soils and vegetables around coal-fired thermal power plant: a case study of Dhanbad, India. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 699	3.1	6
41	Risks Assessment of Heavy Metal Pollution in Roadside Soil and Vegetation of National Highway Crossing through Industrial Area. <i>Environmental Processes</i> , 2020 , 7, 1197-1220	2.8	6
40	Biochar-assisted eco-restoration of coal mine degraded land to meet United Nation Sustainable Development Goals. <i>Land Degradation and Development</i> , 2021 , 32, 4494	4.4	6
39	Carbon bio-fixation, effect of physicochemical factors and carbon supply strategies by <i>Nannochloropsis</i> sp. using flue gas and fertilizer. <i>Biomass and Bioenergy</i> , 2019 , 125, 95-104	5.3	5
38	Ecology and Ecosystem in Mine-Degraded Land 2013 , 21-37		5
37	Plant-Soil interactions as a restoration tool 2020 , 689-730		4
36	Selection of plant species for the reclamation of mine-degraded land in the Indian context. <i>Land Contamination and Reclamation</i> , 2007 , 15, 55-65		4
35	Mycoremediation for Mine Site Rehabilitation 2018 , 233-260		4

34	Techniques for Quantative Evaluation of Mine Site Reclamation Success: Case Study 2018 , 415-438		4
33	Bioassessment in the aquatic ecosystems of highly urbanized agglomeration in India: An application of physicochemical and macroinvertebrate-based indices. <i>Ecological Indicators</i> , 2020 , 111, 106053	5.8	3
32	Restoring coal mine degraded lands in India for achieving the United Nations-Sustainable Development Goals. <i>Restoration Ecology</i> , e13606	3.1	3
31	Eco-Restoration of Coal Mine Spoil: Biochar Application and Carbon Sequestration for Achieving UN Sustainable Development Goals 13 and 15. <i>Land</i> , 2021 , 10, 1112	3.5	3
30	Reclamation of industrial waste dump using grass-legume mixture: An experimental approach to combat land degradation. <i>Ecological Engineering</i> , 2022 , 174, 106443	3.9	3
29	Effect of invasive weed biochar amendment on soil enzymatic activity and respiration of coal mine spoil: a laboratory experiment study. <i>Biochar</i> , 1	10	3
28	Energy Plantations, Medicinal and Aromatic Plants on Contaminated Soil 2016 , 29-47		3
27	Evaluation of PAHs concentration and cancer risk assessment on human health in a roadside soil: A case study. <i>Human and Ecological Risk Assessment (HERA)</i> , 2020 , 26, 1042-1061	4.9	3
26	Bioaccessibilities and health risk assessment of heavy and trace elements in fish from an urban city, India. <i>Human and Ecological Risk Assessment (HERA)</i> , 2021 , 27, 50-70	4.9	3
25	Establishment of Grass and Legume Cover 2013 , 151-161		2
24	Metal accumulation in naturally colonizing vegetation in abandoned Cu-tailings ponds at Rakha mines, East Singhbhum, Jharkhand, India. <i>Land Contamination and Reclamation</i> , 2008 , 16, 135-153		2
23	Municipal and Industrial Wastewater Treatment Using Constructed Wetlands. <i>Concepts and Strategies in Plant Sciences</i> , 2020 , 329-367	0.5	2
22	Metal(loid) contamination in water, sediment, epilithic periphyton and fish in three interconnected ecosystems and health risk assessment through intake of fish cooked in Indian style. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 41914-41927	5.1	2
21	Carbon Sequestration and Soil CO ₂ Flux in Reclaimed Coal Mine LANDS From India 2018 , 371-392		2
20	Application of statistical and machine learning approach for prediction of soil quality index formulated to evaluate trajectory of ecosystem recovery in coal mine degraded land. <i>Ecological Engineering</i> , 2021 , 170, 106351	3.9	2
19	Assessment of heavy metal contamination in roadside deposition soil along a busy traffic road: A case study 2019 ,		1
18	Heavy metals distribution in Eucalyptus tree in 30 years old reclaimed overburden dumps 2019 ,		1
17	Minesoil Properties Affecting Plant Establishment and Growth 2013 , 61-81		1

16	Bioremediation of copper mine waste: a case study from Mosaboni copper mines, Eastern India. <i>International Journal of Environment and Pollution</i> , 2010 , 43, 78	0.7	1
15	Ecological Restoration of Abandoned Mine Land 2021 , 231-246		1
14	Use of Biochar as an Amendment for Remediation of Heavy Metal-Contaminated Soils 2021 , 163-177		1
13	Nitrogen recovery in reclaimed mine soil under different amendment practices in tandem with legume and non-legume revegetation: A review. <i>Soil Use and Management</i> ,	3.1	0
12	Potential and prospects of weed plants in phytoremediation and eco-restoration of heavy metals polluted sites 2022 , 187-205		0
11	Ecological restoration of waste dump generated from an integrated steel plant: A case study 2022 , 157-171		0
10	Importance of selection of plant species for successful ecological restoration program in coal mine degraded land 2021 , 325-357		0
9	Different Soil Factors Influencing Dehydrogenase Activity in Mine Degraded Lands State-of-Art Review. <i>Water, Air, and Soil Pollution</i> , 2021 , 232, 1	2.6	0
8	Phytoremediation of fly ash: bioaccumulation and translocation of metals in natural colonizing vegetation on fly ash lagoons 2022 , 501-523		
7	Phytoremediation and environmental bioremediation 2022 , 1-18		
6	Brassica Juncea (L.) Czern. (Indian Mustard): A Potential Candidate for the Phytoremediation of Mercury from Soil. <i>Lecture Notes in Civil Engineering</i> , 2021 , 67-72	0.3	
5	Impact of Climate Change on Functional Root-Derived Signals. <i>Soil Biology</i> , 2021 , 3-11		1
4	Algae as Bio-monitors for Damodar River Water Pollution. <i>Current World Environment Journal</i> , 2015 , 10, 941-950		0.7
3	Treatment of Coke Oven Effluents by Duckweeds Ponds [A Laboratory Scale Study] 2016 , 435-439		
2	Quantitative study on the soil reconstruction of a root system in the coal resource-concentrated distribution of Shenfu mineral regions 2017 , 461-464		
1	Removal of heavy metals from coke-plant effluents by using wetlands 2021 , 263-299		