

Prof. Subodh Kumar Maiti
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LIST OF PUBLICATIONS [updated on 09-07-2020]

[Total 285 & 4 books]

- Books = 04
- International (Scopus/ SCI) Journal = 92
- Chapter published in books = 25
- National Journals = 55
- Seminar proceedings: International = 50
- Seminar proceedings: National = 63
- Total = 285

[A]. Published Books: 04

1. **Bio-Geotechnologies for Mine Site Rehabilitation** (2018), Elsevier. (eds MNV Prasad, Paulo JC Favas, Subodh K Maiti), p. 730. **eBook ISBN:** 9780128129876, **Paperback ISBN:** 9780128129869
2. Maiti, Subodh Kumar (2012). **Ecorestoration of the Coalmine Degraded lands**. Springer, New Delhi ; New York (2012 ed) ISBN: 978-81-322-0850-1 (Print) 978-81-322-0851-8 (e-book); DOI 10.1007/978-81-322-0851-8; Hardcover, 361p, (December 22, 2012). (Citation = 66)
3. Maiti S.K. (2001). **Handbook of Methods in Environmental studies (Vol.1: Water and Wastewater analysis)**. ABD Publishers, Jaipur. ISBN 81-8577-34-0. p. 307. (Citation: 227)
4. Maiti S.K. (2004). **Handbook of Methods in Environmental studies (Vol.1: Water and Wastewater analysis)**. ABD Publishers, Jaipur. ISBN 81-8577-34-0. p. 307 (**revised, 2nd Edition**)
5. Maiti S.K. (2002). **Handbook of Methods in Environmental studies (Vol.2: Air, Noise, Soil and Overburden analysis)**. ABD Publishers, Jaipur. ISBN 81-85771-58-8. p. 250. (Citation: 53)

B. Publications in International Referred SCI Journals: 92 [Total Impact factors of SCI publications = 183.6 of 92 papers i.e., IF @ 2.0/paper; dt 9.07.2020]

1. Raj D, Kumar A and Maiti S.K (2020). Mercury remediation potential of *Brassica juncea* (L.) Czern. for clean-up of flyash contaminated sites. *Chemosphere*, 248, 125857 (Elsevier, Q1, IF = 5.778), <https://doi.org/10.1016/j.chemosphere.2020.125857>
2. Kumari P, Maiti, S.K. (2020). Bioassessment in the aquatic ecosystems of highly urbanized agglomeration in India: An application of physicochemical and macroinvertebrate-based indices. *Ecological indicators*, 111, 106053 (Elsevier, Q1, IF = 4.229). <https://doi.org/10.1016/j.ecolind.2019.106053>
3. Divya Pal* & S.K Maiti (2020). An approach to counter sediment toxicity by immobilization of heavy metals using waste fish scale derived biosorbent. *Ecotoxicology and Environmental Safety*, Vol 187: 109833 (Elsevier, Q 1; IF= 4.872)
4. Raj D, Kumar A & Maiti S.K (2020). *Brassica juncea* (L.) Czern. (Indian mustard): A putative plant species to facilitate the phytoremediation of mercury contaminated soils. *Int J of*

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- Phytoremediation*, 22 (7): 733-744. doi.org/10.1080/15226514.2019.1708861 (Taylor & Francis, Q2; IF = 2.528)
5. Raj, D., Maiti, S.K. (2020). Sources, bioaccumulation, health risks and remediation of potentially toxic metal(loid)s (As, Cd, Cr, Pb and Hg): an epitomised review. *Environmental Monitoring Assessment*, **192**, 108. (Springer, Q3, IF = 1.903) doi.org/10.1007/s10661-019-8060-5.
 6. Ghosh S.P., Maiti, S.K. (2020). Evaluation of PAHs Concentration and Cancer Risk Assessment on Human Health in a Roadside Soil: A Case Study. *Human and Ecological Risk Assessment*, 26(4): 1042-1061. doi.org/10.1080/10807039.2018.1551052. (Taylor & Francis, Q3, IF = 2.3)
 7. Kumari, P., & Maiti, S. K. (2019). Bioaccessibilities and health risk assessment of heavy and trace elements in fish from an urban city, India. *Human and Ecological Risk Assessment*, 1-21. <https://doi.org/10.1080/10807039.2019.1691501>. (Taylor & Francis, Q3, IF = 2.3)
 8. Raj, D., Kumar, A., & Maiti, S. K. (2019). Evaluation of toxic metal (loid) s concentration in soils around an open-cast coal mine (Eastern India). *Environmental Earth Sciences*, 78(22), 645. <https://doi.org/10.1007/s12665-019-8657-6> (Springer, Q2, IF = 2.18)
 9. Bandyopadhyay, S., & Maiti, S. K. (2019). Evaluation of ecological restoration success in mining-degraded lands. *Environmental Quality Management*, 29(1), 89-100. (Wiley)
 10. Sourav Kumar De, Subodh Kumar Maiti, PC Ghosh, L Paliwal (2019). Pulmonary function status of refractory workers in a steel plant: A cross-sectional study design. *The Ethiopian Journal of Health Development (EJHD)*. Vol 33(4): 123-133
 11. Preeti Kumari & SK Maiti (2019). 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, India. *Human and Ecological Risk Assessment*, 25(8): 2174-2192 <https://doi.org/10.1080/10807039.2018.1495055> (IF = 2.3, Q3, Citation = 4)
 12. Adarsh Kumar, Tripti . Maria Maleva . Irina Kiseleva . Subodh Kumar Maiti .Maria Morozova (2019). Toxic metal(loid)s contamination and potential human health risk assessment in the vicinity of century-old copper smelter, Karabash, Russia. *Environ Geochem Health*, doi.org/10.1007/s10653-019-00414-3 (Springer; Q1; IF = 3.472)
 13. Deep Raj & SK Maiti* (2019). Sources, toxicity and remediation of mercury: an essence review. *Environmental Monitoring and Assessment*. 191:566. <https://doi.org/10.1007/s10661-019-7743-2>. (Springer, Q3, IF = 1.903)
 14. Deep Raj & SK Maiti (2019). 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. *Rendiconti Lincei. Scienze Fisiche e Naturali*, 30, 649-665 (Springer, Q3; IF = 1.603; Citation = 5) doi: 10.1007/s12210-019-00831-7
 15. Sneha Kumari & S K Maiti* (2019). Reclamation of coalmine spoils with topsoil and grass-legume mixture: A case study from India. *Environmental Earth Science*, vol 78, 429.: doi: 10.1007/s12665-019-8446-2.(Springer, Q2; IF = 2.18)
 16. Avik Banerjee, Chandan Guria, Subodh Kumar Maiti, Chiranjib Banerjee, Pratyosh Shukla (2019). Carbon bio-fixation, effect of physicochemical factors and carbon supply strategies by

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- Nannochloropsis sp. using flue gas and fertilizer. *Biomass and Bioenergy*, 125: 95-104. <https://doi.org/10.1016/j.biombioe.2019.04.002>. (Elsevier, IF = 3.96; Q1).
17. Divya Pal* & S.K Maiti (2019). 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. *Exposure & Health*, 11(1): 33-46 doi10.1007/s12403-017-0264-8. (Springer, IF = 4.532; Q1; Citation = 16).
 18. Divya Pal, Subodh Kumar Maiti (2019). Abatement of cadmium (Cd) contamination in sediment using tea waste biochar through meso-microcosm study. *Journal of Cleaner Production*. Vol 212: 986-996. doi.org/10.1016/j.jclepro.2018.12.087 (Elsevier, Q1, IF = 5.651).
 19. B Świąteka, B Wośa, C Marcin, Subodh Kumar Maiti, A Józefowskad, Pietrzykowskia Marcin (2019). Fine root biomass and the associated C and nutrient pool under the alder (Alnus spp.) plantings on reclaimed technosols. *Geoderma*, Vol 337: 1021- 1027. (doi: 10.1016/j.geoderma.2018.11.025) (Elsevier, Q1, IF = 4.21).
 20. Sneha Bandopadhyay, Vivek Rana & Subodh Kumar Maiti* (2018). Chronological variation of metals in reclaimed coal mine soil and tissues of Eucalyptus hybrid tree after 25 years of reclamation, Jharia coal field (India). *Bulletin of Environmental Contamination and Toxicology*, 101(5): 604-610. <https://doi.org/10.1007/s00128-018-2466-6>. (Springer, Q3) (Citation = 2)
 21. Jitendra Ahirwal* Adarsh Kumar, Marcin Petrokovy & Subodh Kumar Maiti (2018). Reclamation of coal mine spoil and its effect on Technosols quality and carbon sequestration: a case study from India. *Environmental Science and Pollution Research (ESPR)*, Vol 25 (28): 27992–28003. doi.org/10.1007/s11356-018-2789-1. (Springer; Q2, IF = 2.800 in 2017)
 22. Vivek Rana, Subodh Kumar Maiti (2018). Metal Accumulation Strategies of Emergent Plants in Natural Wetland Ecosystems Contaminated with Coke-Oven Effluent. *Bulletin of Environmental Contamination and Toxicology*. Vol 101 (1): 55-60 (Springer, IF = 1.480 in 2017). <https://doi.org/10.1007/s00128-018-2354-0>. (Citation = 1)
 23. Vivek Rana and **Subodh Kumar Maiti** (2018). Municipal wastewater treatment potential and metal-accumulation strategies of *Colocasia esculenta* (L.) Schott and *Typha latifolia* L. in a constructed wetland. *Environmental Monitoring and Assessment*. Vol 190: 328, doi.org/10.1007/s10661-018-6705-4. (Springer, IF = 1.804 in 2017).
 24. Ahirwal J & **Subodh Kumar Maiti** (2018). Development of Technosol properties and recovery of carbon stock after 16 years of revegetation on coal mine degraded lands, India. *CATENA*, Vol. 166: 114-123 (July 2018). <https://doi.org/10.1016/j.catena.2018.03.026> (Elsevier, IF = 3.256 in 2017)
 25. Divya Pal* and **Subodh Kumar Maiti** (2018). Heavy metal speciation, leaching and toxicity status in a tropical rain-fed river flowing through coal belt, India. *Environmental geochemistry & Health*, 40 (6): 2303-2324. doi.org/10.1007/s10653-018-0097-9. (Springer, Q1) (Citation = 13)
 26. Ghosh, S.P. & **Subodh Kumar Maiti** (2018). Evaluation of heavy metal contamination in roadside deposited sediments and road surface runoff: a case study. *Environmental Earth Sci*, Vol 77: 267. doi.org/10.1007/s12665-018-7370-1 (Springer, IF = 1.435 in 2017)

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27. Ahirwal, J and Subodh Kumar Maiti* (2018). Assessment of soil carbon pool, carbon sequestration and soil CO₂ flux in unreclaimed and reclaimed coal mine spoils. *Environmental Earth Sciences*, 77(1): 9 (doi: 10.1007/s12665-017-7185-5). (Springer; IF= 1.435 in 2017). (Citation = 1)
28. Kumari P, Chowdhury A*, Subodh Kumar Maiti (2018). 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. *Human & Ecological Risk Assessment*, 24(6): 1477-1500. doi.org/10.1080/10807039.2017.1415131. (Taylor & Francis; Q2 IF= 1.508 in 2017) (Citation = 11)
29. Vivek Rana, Subodh Kumar Maiti (2018). Differential distribution of metals in tree tissues growing on reclaimed coal mine overburden dumps, Jharia coal field (India). *Environmental Science and Pollution Research (ESPR)*. Volume 25 (19): 9745–9758, doi.org/10.1007/s11356-018-1254-5 (Springer, IF = 2.800 in 2017). (Citation = 10)
30. Divya Pal* & Subodh Kumar Maiti (2018). Seasonal variation of heavy metals in water, sediment, and highly consumed cultured fish (*Labeo rohita* and *Labeo bata*) and potential health risk assessment in aquaculture pond of the coal city, Dhanbad (India). *Environmental Science and Pollution Research (ESPR)*. Volume 25 (13): 12464–12480, doi.org/10.1007/s11356-018-1424-5. (Springer, Impact factor = 2.800 in 2017). (Citation = 21)
31. Mukhopadhyay S, Rana V, Adarsh Kumar, Subodh Kumar Maiti (2017). Biodiversity variability and metal accumulation strategies in plants spontaneously inhibiting flyash lagoon, India. *Env Sc & Pollution Res*, 24 (29): 22990–23005 ((Springer, IF = 2.741) (Citation = 13)
32. Jitendra Ahirwal, Subdh Kumar Maiti (2017). Assessment of carbon sequestration potential of revegetated coal mine overburden dumps: a chronosequence study from dry tropical climate. *Journal of Environmental Management*, 201: 369-377. doi.org/10.1016/j.jenvman.2017.07.003). (Elsevier, IF = 4.28). (Citation = 8)
33. Ahirwal J, Subodh Kumar Maiti*, Singh, AK (2017). Changes in ecosystem carbon pool and soil CO₂ flux following postmine reclamation in a dry tropical environment, India. *Science of the Total Environment*, 583: 153-162. doi.org/10.1016/j.scitotenv.2017.01.043. (Elsevier, IF = 4.33). (Citation = 13)
34. Jitendra Ahirwal, Subodh Kumar Maiti*, S M Reddy (2017). Development of carbon, nitrogen and phosphate stocks of reclaimed coal mine soil within 8 years after forestation with *Prosopis juliflora* (Sw.) Dc.. *CATENA*. doi: 10.1016/j.catena.2017.03.019. (Elsevier, IF = 2.820). (Citation = 8)
35. Deep Raj, Abhiroop Chowdhury, **Subodh Kumar Maiti*** (2017). Ecological risk assessment of mercury and other heavy metals in soils of coal mining area: a case study from Eastern part of Jharia coal field, India. *Human and Ecological Risk Assessment* (Taylor & Francis; IF = 1.306). p 1-21. http://dx.doi.org/10.1080/10807039.2016.1278519. (Citation = 6)
36. Banerjee, A., **Subodh Kumar Maiti**, Guria, C., Banerjee, C. (2017). Metabolic pathways for lipid synthesis under nitrogen stress in *Chlamydomonas* and *Nannochloropsis*. *Biotechnology Letters*, 39(1): 1-11 doi:10.1007/s10529-016-2216-y. (Springer, IF = 1.639 in 2015). (Citation = 13)

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37. **Subodh Kumar Maiti*** and Vivek Rana (2017). Assessment of Heavy Metals contamination in Reclaimed Mine Soil and their Accumulation and Distribution in *Eucalyptus* hybrid. *Bulletin of Environmental Contamination and Toxicology (BECT)*. Vol. 98(1): 97-104 doi: 10.1007/s00128-016-1966-5. (Springer, IF = 1.191) (Citation = 4).
38. Chowdhury A, Aliya Naz and **Subodh Kumar Maiti** (2017). 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. *Human and Ecological Risk Assessment*. Vol 23(2): 203-224. DOI: 10.1080/10807039.2016.1238300. (Taylor & Francis: IF = 1.306). (Citation = 4)
39. Kumar Adarsh, **Subodh Kumar Maiti**, Tripti, Prasad, MNV, Singh, RS (2017). Grasses and legumes facilitate phytoremediation of metalliferous soils in the vicinity of an abandoned chromite-asbestos mine. *Journal Soils Sediment*. DOI 10.1007/s11368-015-1323-z [Elsevier, IF = 2.139]. (Citation = 10)
40. Jitendra Ahirwal, **Subodh Kumar Maiti***, Ashok Kumar Singh (2016). Ecological restoration of coalmine degraded lands in dry tropical climate: What has been done and what does it needs? *Environmental Quality management*. Vol 26(1): 25-36 (Wiley). DOI: 10.1002/tqem.21481. (Wiley). (Citation = 4)
41. Banerjee, A., Guria, C., & **Subodh Kumar Maiti** (2016). Fertilizer assisted optimal cultivation of microalgae using response surface method and genetic algorithm for biofuel feedstock. *Energy*, 115, 1272-1290. doi:10.1016/j.energy.2016.09.066. (Elsevier, IF = 4.292 in 2015). (Citation = 14)
42. Chowdhury A, **Subodh Kumar Maiti**, Bhattacharyya S (2016). How to communicate climate change 'impact and solutions' to vulnerable population in Indian sundarbans? From theory to practice. *SpringerPlus*, 5:1219, doi: 10.1186/s40064-016-2816-y. (Springer, IF = 0.982 in 2015). (Citation = 4)
43. Karan SK, Samadder SR, **Subodh Kumar Maiti** (2016). Assessment of the Capability of Remote Sensing and GIS Techniques for Monitoring Reclamation Success in Coal Mine Degraded Lands. *Journal of Environmental Management*. Vol 182: 272-283. doi.org/10.1016/j.jenvman. 2016.07.070. (Elsevier, IF = 3.131 in 2015). (Citation = 16)
44. Vivek Rana, **Subodh Kumar Maiti***, Sheeja Jagadevan (2016). Ecological Risk Assessment of Metals Contamination in the Sediments of Urban Wetlands in Dry Tropical Climate. *Bulletin of Environmental Contamination and Toxicology (BECT)*. Vol 97(3): 407-412. DOI: 10.1007/s00128-016-1885-5. (Springer, IF = 1.191 in 2015) (Citation = 5)
45. Das, Rimi and **Subodh Kumar Maiti*** (2016). Estimation of carbon sequestration in reclaimed coalmine degraded land dominated by *Albizia lebbeck*, *Dalbergia sissoo* and *Bambusa arundanacea* plantation: A case study from Jharia Coalfields, India. *International Journal of Coal Science & Technology*, Volume 3(2): 246-266 (Springer): doi: 10.1007/s40789-016-0131-4 (June 27, 2016). (Citation = 7)
46. Chowdhury, A and **Subodh Kumar Maiti** (2016). Assessing the ecological health risk in a conserved mangrove ecosystem due to heavy metal pollution: A case study from Sundarbans

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- Biosphere Reserve, India. *Human and Ecological Risk Assessment*. Vol 22 (7): 1519-1541 (Taylor & Francis; IF = 1.306). doi: 10.1080/10807039.2016.1190636. (Citation = 6).
47. Chowdhury, A and **Subodh Kumar Maiti*** (2016). Identification of metal tolerant plant species in Mangrove ecosystem by using community study and multivariate analysis: A case study from Indian Sunderban. *Environmental Earth Science*. Vol 75:744. Doi: 10.1007/s12665-016-5391-1. (Springer, IF = 1.765) (Citation = 13)
 48. Chowdhury A and **Subodh Kumar Maiti*** (2016). 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. *Journal of Coastal Conservation: Planning and Management*. Vol 20(2): DOI 10.1007/s11852-016-0436-x. [Springer, IF = 0.898] (Citation = 14)
 49. Das, Rimi and **Subodh Kumar Maiti*** (2016). Importance of carbon fractionation for the estimation of Carbon sequestration in Reclaimed Coalmine soils - A case study from Jharia Coalfields, Jharkhand, India. *Ecological Engineering*. Vol 90:135–140. doi: 10.1016/j.ecoleng.2016.01.025 [Elsevier, IF = 2.580]. (Citation = 22)
 50. Ahirwal, Jitendra and **Subodh Kumar Maiti*** (2016). Assessment of soil properties of different land uses generated due to surface coal mining activities in tropical Sal (*Shorea robusta*) forest, India. *CATENA*, Vol 140:155–163. Doi:10.1016/j.catena.2016.01.028. [Elsevier, IF = 2.820]. (Citations = 24)
 51. **Subodh Kumar Maiti ***, Adarsh Kumar and Jitendra Ahirwal (2016). Bioaccumulation of metals in timber and edible fruit trees growing on reclaimed coal mine overburden dumps. *International Journal of Mining, Reclamation and Environment*. Vol 30 (3): 231-244.; doi:10.1080/ 17480930.2015.1038864 (Taylor & Francis, IF = 0.562 in 2014) (Citation = 12)
 52. **Subodh Kumar Maiti***, Adarsh Kumar, J Ahirwal and Rimi Das (2016). Comparative study on bioaccumulation and translocation of metals in Bermuda grass (*Cynodon dactylon*) naturally growing on fly ash lagoons and topsoil. *Applied Ecology & Environmental Research (AEER)*. 14(1): 1-12 [IF = 0.557]
 53. Banerjee Subhabrata, Adarsh Kumar, **Subodh Kumar Maiti*** and Abhiroop Chowdhury (2016). Seasonal variation in heavy metal contaminations in water and sediments of Jamshedpur stretch of Subarnarekha River, India. *Environmental Earth Sciences*. 75: 265-[doi 10.1007/s12665-015-4990-6] [Springer, IF = 1.765] (Citations = 25)
 54. Chowdhury A, Sanyal, P and **Subodh Kumar Maiti** (2016). Dynamics of mangrove diversity influenced by climate change and consequent accelerated sea level rise at India Sundarbans. *International Journal of Global Warming*. 9(4): 486-506. [Inderscience, IF = 0.7] (Citation = 4)
 55. Kumar, S, **Subodh Kumar Maiti,** Chaudhuri, S (2015). Soil development in 2-21 years old coalmine reclaimed spoil with trees: A case study from Sonepur Bazari opencast project, Raniganj Coalfield, India. *Ecological Engineering*. 84: 311-324. (Elsevier, IF = 3.041; 5 yr-3.479). DOI: 10.1016/ecoleng.2015.01.003. (Citations = 19).

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56. Verma S K; Masto R E; Shalini Gautam; D P Chaudhury; Lal Ram, **Subodh Kumar Maiti**; Sudip Maity (2015). Investigations on PAHs and trace elements in coal and its combustion residues from a power plant. *Fuel*, 162: 138-147 DOI: 10.1016/j.fuel.2015.09.005. (Elsevier, IF = 3.520) (Citations = 37)
57. Banerjee S, **Subodh Kumar Maiti***, Adarsh Kumar (2015). Metal contamination in water and bioaccumulation of metals in the planktons, molluscs and fishes in Jamshedpur stretch of Subarnarekha River of Chotanagpur plateau, India. *Water and Environment Journal* Vol 29(2): 207-213. DOI: 10.1111/wej.12108. (Wiley-Blackwell; IF = 1.344 in 2014). (Citations = 17)
58. Adarsh Kumar, **Subodh Kumar Maiti*** (2015). 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. *Environmental Earth Sciences* Vol 74(3) :2617–2633., Doi:10.1007/s12665-015-4282-1. (Springer, IF = 1.765 in 2014) (Citations = 25).
59. Adarsh Kumar, Ahirwal J, **Maiti SK**, Das, R (2015). An assessment of metal in fly ash and their translocation and bioaccumulation in perennial grasses growing at the reclaimed opencast mines. *International Journal of Environmental Research*, Vol 9 (3): 1089-1096 (SCIE; IF = 1.100 in 2014). (Citation = 4)
60. **Subodh Kumar Maiti** and Deblina Maiti (2015). Ecological restoration of waste dumps by topsoil blanketing, coir-matting and seeding with grass–legume mixture. *Ecological Engineering*, Vol 77: 74-84 (Elsevier, IF= 3.041). <http://dx.doi.org/10.1016/j.ecoleng.2015.01.003> (Citations = 22).
61. Adarsh Kumar, **Subodh Kumar Maiti*** (2015). Effect of organic manures on the growth of *Cymbopogon citratus* and *Chrysopogon zizanioides* for the phytoremediation of Chromite-Asbestos mine waste: A pot scale experiment. *International Journal of Phytoremediation*, Vol 17(5): 437-447 (Taylor & Francis, IF= 1.466), DOI: 10.1080/15226514.2014.910174. (Citation = 14).
62. China S.P, Manab Das, **Subodh Kumar Maiti** (2014). Phytostabilisation of Mosaboni Copper Mine Tailings: A Green Step Towards Waste Management. *Applied Ecology and Environmental Research*, Vol. 12 (1): 25-32. (IF = 0.456). (Citation = 5).
63. Adarsh Kumar, **Subodh Kumar Maiti** (2014). Translocation and Bioaccumulation of Metals in *Oryza sativa* and *Zea mays* Growing in Chromite-Asbestos Contaminated Agricultural Fields, Jharkhand, India. *Bulletin of environmental contamination and toxicology*, Vol. 93 (4): 434-441. doi: 10.1007/s00128-014-1339-x, (Springer, IF=1.216). (Citation = 21).
64. Sangeeta Mukhopadhyay, **Subodh Kumar Maiti**, R.E Masto (2014). Development of mine soil quality index (MSQI) for evaluation of reclamation success: A chronosequence study. *Ecological Engineering*, Vol, 71: pp 10-20 (October 2014); (Elsevier, IF= 3.041). (Citation = 102).
65. Mukhopadhyay, S. and **Subodh Kumar Maiti** (2014). Soil CO₂ flux in grassland, afforested land, and reclaimed coalmine overburden dumps: a case study. *Land Degradation and*

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- Development*, Vol 25 (3): 216-227. DOI: 10.1002/ldr.1161, (Wiley – Blackwell, UK. IF= 3.089) (Citation = 45).
66. Abhiroop Chowdhury, Subodh Kumar Maiti (2014). Mangrove reforestation through participation of valuaranble population: Engineering sustainable management- solution for resource conservation. *Int J of Environmental Res & Development (IJERD)*, Vol 491); 1-8 (Citation = 10)
67. Sangeeta Mukhopadhyay, **Subodh Kumar Maiti**, RE Masto (2013). Use of Reclaimed Mine Soil Index (RMSI) for screening of tree species for reclamation of coal mine degraded land. *Ecological Engineering*. 57:133–142. DOI: 10.1016/j.ecoleng. (Elsevier, IF=3.041). (Citation = 73).
68. S Kumar, S Chaudhuri, **Subodh Kumar Maiti** (2013). Soil dehydrogenase enzyme activity in natural and mine soil—a review. *Middle-East J Sci Res*, Vol 13 (7): 898-906 (Citation = 70)
69. Mishra, A K, SK Maiti, A K Pal (2013). Status of PM10 bound heavy metals in ambient air in certain parts of Jharia coalfields, Jharkhand, India. *Int J of Environmental Sciences*, Vol 4(2): 141. (Citation = 11).
70. Sanjoy Kumar, S Choudhury and **Subodh Kumar Mait** (2012). Assessment of Physico-chemical and mineralogical properties of alluvial soil. *Int. J of Ecology and Development (IJED)*. 23(3):25-39. (H index: 1).
71. Maiti, Subodh Kumar and Abhiroop Chowdhury (2013). Effects of Anthropogenic Pollution on Mangrove Biodiversity: A Review. *Journal of Environmental Protection*, Vol 4 (12): 1428-1434 (Citations: 38).
72. Mukhopadhyay, S and **Subodh Kumar Maiti** (2011). Trace metal accumulation and natural mycorrhizal colonisation in an afforested coalmine overburden dump: a case study from India. *International Journal of Mining, Reclamation and Environment (IJMRE)*, Volume 25 (2): 187-207 (Taylor & Francis, UK) (IF: 0.532 in 2011) (Citation: 19)
73. Mukhopadhyay, S. and **Subodh Kumar Maiti** (2010). Phytoremediation of Metal mine waste. *Applied Ecology & Environmental Research*, 8(3): 207-222 [Budapest, Hungary, ISSN 1589 1623 (Print), ISSN 1785 0037 (Online), H Index: **11**; **IF =0.547**] (Citation = 58)
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