

List of Publications by Prof Subodh Kumar Maiti
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[Total 246 & 4 books; updated on 22-02-2018]

- Books = 04
- International (Scopus/ SCI) Journal = 64
- Chapter published in books = 22
- National Journals = **54**
- Seminar proceedings: International = 45
- Seminar proceedings: Nnational = 61

[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).
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.
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.

B. Publications in International Referred Journals: 64 [Total Impact factors of SCI = 100.232 of 55 papers i.e., IF @ 1.8224/paper; dt 22.02.2018]

1. Ahirwal, J and S K 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= 1.765).
2. Divya Pal* & SK Maiti (2018). 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*; doi 10.1007/s12403-017-0264-8). Available in online on 11/11/2017. (Springer, IF = 1.143).
3. Kumari P, Chowdhury A*, Maiti SK (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 (HERA)* doi.org/10.1080/10807039.2017.1415131. Published online: 25 Jan 2018. (Taylor & Francis; IF = 1.306)
4. Vivek Rana, SK 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)*. doi.org/10.1007/s11356-018-1254-5 (available on line: 24 january 2018) (Springer, Impact factor = 2.741).

5. Divya Pal* & SK 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)*. doi.org/10.1007/s11356-018-1424-5 (available on line: 20 February 2018) (Springer, Impact factor = 2.741).
6. 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, Impact factor = 2.741)
7. 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).
8. Ahirwal J, Maiti, Subodh Kumar*, 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).
9. 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).
10. 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>.
11. Banerjee, A., Maiti, Subodh Kumar, 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 = 2)
12. Maiti, Subodh Kumar* 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)
13. Chowdhury A, Aliya Naz and Maiti, Subodh Kumar (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 = 1)
14. Kumar Adarsh, Maiti, Subodh Kumar, 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 = 4)
15. Jitendra Ahirwal, Maiti, Subodh Kumar*, 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).
16. Banerjee, A., Guria, C., & Maiti, Subodh Kumar (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 = 1)
17. Chowdhury A, Maiti Subodh Kumar, 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 = 2)
18. Karan SK, Samadder SR, Maiti Subodh Kumar (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 = 1)
19. 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 = 1)
 20. Das, Rimi and **Subodh Kumar Maiti*** (2016). Estimation of carbon sequestration in reclaimed coalmine degraded land dominated by *Albizia lebbek*, *Dalbergia sissoo* and *Bambusa arudanacea* 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 = 3)
 21. 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 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 = 3)
 22. 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 = 6)
 23. 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 = 4)
 24. 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 = 4)
 25. 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 = 8)
 26. **Maiti, Subodh Kumar***, 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 = 2)
 27. **Maiti, Subodh Kumar***, 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]
 28. 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 = 11)
 29. Chowdhury A, Sanyal, P and **SK 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 = 2)
 30. Kumar, S, **Maiti, Subodh Kumar**, 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/coleng.2015.01.003. (Citations = 7)
31. Verma S K; Masto R E; Shalini Gautam; D P Chaudhury; Lal Ram, **S K 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 = 15)
 32. 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 = 7)
 33. 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 = 10).
 34. 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).
 35. Maiti, Subodh Kumar 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 = 11).
 36. 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 = 3).
 37. China S.P, Manab Das, **S.K. 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 =0).
 38. 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 = 15).
 39. 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 = 24).
 40. 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 Development*, Vol 25 (3): 216-227. DOI: 10.1002/ldr.1161, (Wiley – Blackwell, UK. IF= 3.089) (Citation = 32).
 41. Sangeeta Mukhopadhyay, **S. K 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 = 43).
 42. S Kumar, S Chaudhuri, **SK Maiti** (2013). Soil dehydrogenase enzyme activity in natural and mine soil—a review. *Middle-East J Sci Res*, Vol 13 (7): 898-906 (Citation: 37)
 43. Sanjoy Kumar, S Choudhury and Maiti SK (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).
 44. 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: 13)

45. 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 = **38**)
46. **Maiti, Subodh Kumar (2010)**. Bioremediation of copper mine waste: a case study from Mosaboni copper mines, Eastern India. *Int. J. Environ. and Poll. (IJEP)*, Vol. 43, Nos. 1/2/3: 78-89 (Inderscience, IF= 0.626) (Citation: 1) [ISBN ISSN 0957-4352, E ISSN 1741-5101].
47. Mukhopadhyay, S. and **Subodh Kumar Maiti (2010)**. Phytoremediation of Metal mine waste: A review. *American-Eurasian Journal of Agricultural & Environmental Sciences*, 9(5): 560-575 (Citations: 27)
48. Das, M., and **Subodh Kumar Maiti (2009)**. Growth of *Cymbopogon citrates* and *Vetiveria zizanioides* on Cu mine tailings amended with chicken manure and manure-soil mixtures: A pot scale study. *International J of Phytoremediation*, Vol 11 (8), (October 2008): 651-663. (Taylor & Francis, IF = 1.852) (Ranking: 83/180 (Env. Sciences). [IF=1.936; 5 Year IF: 2.106] (Citations: 15)
49. **Maiti, Subodh Kumar** and Shishir Jaiswal S (2008). 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. *Environmental Monitoring and Assessment*, 136(1): 355-370. (DOI 10.1007/s10661-007-9691-5, (Springer, IF=1.679). (Citations: **70**)
50. Das, Manab and **Maiti Subodh Kumar (2008)**. Comparison between availability of heavy metals in dry and wetland tailing of an abandoned copper-tailing pond. *Environ Monit Assess*, Vol. 137 (1): 343–350 (February, 2008), DOI 10.1007/s10661-007-9769-0. (Springer, IF = 1.679). (Citations: **27**).
51. Das Manab and Maiti Subodh Kumar (2008). Metal accumulation in naturally colonizing vegetation in an abandoned Cu-tailing pond of Rakha mines, East Sighbhum, Jharkhand, India. *Land reclamation & Contamination*, 16(2), 2008; 135-153. (EPP publications, UK) (H index: 12) (Citations: **3**)
52. Das, M. and Maiti, Subodh Kumar (2008). A comparative study on metal accumulation in *E. indica*, *C. citrates* and *V. zizanioides* grown on Copper Mine waste. *Asian J of Water, Environment and Pollution*, Vol 5 (4): 43-47. (October 2008). (ISSN: 0972-9860) (Citations: 7)
53. Das, Manab and Maiti Subodh Kumar (2007). Metal accumulation in 5 native plants growing on abandoned Cu-tailings ponds. *Applied Ecology & Environmental Research* 5(1): 27-35. (Budapest, Hungary). (SCI, IF = 0.456) (Citations: **23**).
54. **Maiti, Subodh Kumar**, Shee C. and Ghose MK (2007). Selection of plant species for the reclamation of mine degraded land in the Indian context. *Land Contamination & Reclamation*, 15 (1): 55- 66. (EPP publications, UK) (H index: 12 ; Citations: **2**)
55. **Maiti Subodh Kumar (2007)**. Bioreclamation of coalmine overburden dumps—with special emphasis on micronutrients and heavy metals accumulation in tree species. *Environmental Monitoring and Assessment*, Vol. 125 (1) : 111–122. (Springer, IF= 1.679) (Citations: **50**).
56. Das, Manab and **Subodh Kumar Maiti (2007)**. Metal accumulation in *A. baccifera* growing naturally on abandoned Cu-tailings pond. *Environmental Monitoring and Assess*, Vol 127 (1): 119-125. (Springer, IF=1.679) (Citations: **10**).
57. Das, M., **Subodh Kumar Maiti (2007)**. Metal mine waste and phytoremediation: A review. *Asian Journal of Water, Environment and Pollution*. Vol 4(1): 169-176. (ISSN: 0972-9860). (Citations: **11**).
58. **Maiti, Subodh Kumar (2006)**. Properties of mine soil and its effects on bioaccumulation of metals in tree species: A case study from a large opencast coalmining project. *Int. J of Mining, Reclamation and Environment*, 20 (2): 96-110 (June 2006), (Taylor & Francis) (Impact factor= 0.531) (Citations: **11**)

59. Das, M, **Subodh Kumar Maiti** and U Mukhopadhyay (2006). Distribution of PM2.5 and PM2.5-10 in PM10 fraction in ambient air of Kolkata city, India. *Environmental Monitoring and Assessment*, 122 (1): 111-123. (Springer, IF= 1.679) (Citations: 25).
60. **Maiti, Subodh Kumar** and Nandhini N (2006). Bioavailability of metals in fly ash and their bioaccumulation in naturally occurring vegetation. *Environmental Monitoring and Assessment*, 116 (1): 263-273, (May 2006). (Springer, IF= 1.679) (Citations: 38).
61. **Maiti, Subodh Kumar**, Nandhini S. and Das Manab (2005). Accumulation of metals by naturally growing herbaceous and tree species in iron ore tailings. *Int J Environ. Studies*, 62(5): 503-63. (Taylor & Francis; IF = 0.59) (H index: 16) (Citations: 13).
62. **Maiti, Subodh Kumar** and Ghose M.K (2005). Eco-restoration of acidic coalmine overburden dumps-an Indian case studies. *Land Contamination and Reclamation*. Volume 13 (4): 361-369. (EPP publications, UK, H index: 12 (Citations: 35)
63. **Maiti, Subodh Kumar** and Saxena N.C (1998). Biological reclamation of coalmine spoils without topsoil: An amendment study with domestic raw sewage and grass-legumes mixture. *Int. J. of Surface Mining, Reclamation and Environ*, 12: 87-90. (Taylor & Francis, UK) (IF= 0.531) (Citations: 35)
64. **Maiti, Subodh Kumar**, Gupta, S.K and Joshi S.J. (1988). Nutrient removal and conservation by activated algae in oxidation ditch. *Journal of Water Pollution Control Federation*, 60(12): 2115-2119. (USA) (IF= 0.883). (Citation = 9).

[B]. Chapter Published in Books: 22

1. Adarsh Kumar*, Tripti, MNV Prasad, Subodh Kumar Maiti, Paulo Favas (2018). Chapter 14: Mycoremediation for mine site remediation and restoration. p 233-260. In *Biogeotechnologies for mine site rehabilitation* (eds:MNV Prasad, P Favas & SK Maiti), doi.org/10.1016/B978-0-12-812986-9.00014-2. Elsevier
2. Sangeeta Mukhopadhyaya, Subodh Kumar Maiti (2018). Chapter 24: Techniques for Quantative Evaluation of Mine Site Reclamation Success: Case Study. p 415-438. In *Biogeotechnologies for mine site rehabilitation* (eds: MNV Prasad, P Favas & SK Maiti), doi.org/10.1016/B978-0-12-812986-9.00023-3, Elsevier.
3. Ahirwal, J and Maiti Subodh Kumar (2018). Chapter 21: Carbon sequestration and Soil CO2 flux in reclaimed coal mine from India. p 371-392. *Biogeotechnologies for mine site rehabilitation* (eds: MNV Prasad, P Favas & SK Maiti), doi.org/10.1016/B978-0-12-812986-9.00021-X. Elsevier.
4. Maiti, Subodh Kumar and Ahirwal, J (2017). Ecological restoration of coal mine degraded lands using grass-legume mixture – A Case from India. International Conference on *Land Reclamation & Ecological Restoration*, 2017. Xian, China. 20-23 October 2017.
5. Deep Raj, PS Pal, SK Maiti (2017). Chapter: Improvements in Fertility of Reclaimed Coalmine Dumps Due to Afforestation –A Case Study from North Karanpura Area, CCL, India in *Sustainable Mining Practices* (eds AK Gorai & DS Nimaje). Page 45-54, Narora Pub House, New Delhi.
6. Maiti, SK and A Kumar (2016). Chapter -2 Energy Plantations, Medicinal and Aromatic Plants on Contaminated soil. In *Bioremediation and Bioeconomy* (ed MNV Prasad), ELSEVIER, pp. 29-47.
7. Maiti, Subodh Kumar and A. Halder (2016). Chapter - Treatment of Coke Oven Effluents by Duckweeds Ponds- A laboratory Scale Study. In *Geostatistical and Geospatial Approaches for*

- [the Characterization of Natural Resources in the Environment](#) (Eds. N. J. Raju), pp. 435-439. Springer International Publishing. doi: 10.1007/978-3-319-18663-4-66
8. Kumar A, Prasad MNV, Maiti SK, Tripti (2016). *Chapter – 13; Asbestos: Resource Recovery and its Waste Management*. In [Environmental Materials and Waste](#) (ed: MNV Prasad), Elsevier; (page 1-23). doi.org/10.1016/B978-0-12-803837-6.00013-5
 9. Subodh Kumar Maiti (2010). Revegetation planning for the degraded soil and site aggregates in Dump sites. P. 189-228 in "[Project Environmental Clearance](#)" (Ed J Bhattacharya), Wide Publishing, Kolkata – 72, India.
 10. Maiti, Subodh Kumar (2010). *Chapter – 7: Eco-restoration Status Of Coalmine Overburden Dumps: A Case Study From South Eastern Coalfields Limited (SECL), India* Page 219-245. In [Environmental Disasters](#) (ed KK Singh et al), APH Pub Corporation, 4435-36/7, Ansari Road, Darya ganj, New Delhi 110 002.
 11. Das, Manab & Maiti S.K. (2008). *Chapter 32 - Heavy metals and its accumulation in plants thriving on metal enriched soil* (page 383-395). In [Air, Water and Soil Pollution](#) (eds KK Singh et.al), Kalyani Publishers, New Delhi.
 12. Subodh Kumar Maiti and S. Nandhini (2008). *Chapter-7: Bioavailability of metal in fly ash and their bioaccumulation in naturally occurring vegetation*. p. 49-56 in [Environmental Science and Technology in India](#) (ed. Arvind Kumar and R.K. Somashekar). Delhi, Daya Pub House., 2008, xii, 540 p., ISBN 81-7035-541-0 7.
 13. Subodh Kumar Maiti (2008). *Chapter-47: Percentage of stomatal coverage on leaf: A new concept for selection of plant species for the development of green belts in Mining areas*. p. 395-402 in [Environmental Science and Technology in India](#) (ed. Arvind Kumar and R.K. Somashekar). Delhi, Daya Pub House., 2008, 540 p., ISBN 81-7035-541-0 7.
 14. Maiti Subodh Kumar (2007). Ecological impact assessment of surface mining project. In "[Environmental degradation and protection](#)" Volume –II (ed KK Singh et al.), MD Publication Pvt. Ltd, New Delhi. pp. 1-31.
 15. Das M. and Maiti SK (2005). Heavy metals and its accumulation in plants thriving on metal enriched soil. in "[Air, Water and Soil Pollution](#)",(ed KK Singh), MD Publications Pvt. Ltd., New Delhi.
 16. Markandey, DK, **Maiti, SK**, Makhijani SD and Markandey NR (2002). Removal and recover of chromium from aqueous solution and industrial effluents by microorganisms and other non-conventional bioabsorbents; in [Microorganisms in Bioremediation](#) (eds. Markandey DK and NR Markandey), Capital Publishing company, New Delhi, pp.139-153.
 17. Firoz Aktar, Markandey NR, Jagdish, Markandey, DK, **Maiti, SK** and Makhijani SD (2002). Environmental Terms, Associated Laws and their description. In [Microorganisms in Bioremediation](#) (eds. Markandey DK and NR Markandey), Capital Publishing company, New Delhi, pp.155-180.
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