

LIST OF PUBLICATIONS OF Prof SUBODH KUMAR MAITI

[Total 219 & 3 books; updated on 29-02-2016]

- Books = 03
- Chapter published in books = 17
- International Journal (SCI) = 43
- National Journals = 53
- Seminar proceedings: International = 45
- Seminar proceedings: International = 61

[A]. Book Published: 03

1. Maiti, Subodh Kumar (2013). **Ecorestoration of the Coalmine Degraded lands**. Springer, New Delhi ; New York (2013 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).
2. 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.
3. 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**)
4. 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 [SCI]: 43

1. Kumar, A, Maiti, Subodh Kumar, Tripti, Prasad, MNV, Singh, RS (2016). Grasses and legumes facilitate phytoremediation of metalliferous soils in the vicinity of an abandoned chromite-asbestos mine. *Journal of Soils Sediments*. DOI: 10.1007/s11368-015-1323-z (Published online: 10.12.2015).(SCI; Springer, IF = 2.139)
2. Chowdhury A, Sanyal P, Maiti SK (2016). Dynamics of Mangrove Diversity influenced by Climate Change and consequent accelerated Sea Level Rise at Indian Sundarbans. *International J of Global Warming*. (SCI; Inder Science, IF = 0.77). In Press.
3. Abhiroop Chowdhury and S.K. 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*. (ENGE-D-15-01434) (Accepted on 17.1.2016) (SCI; Springer, IF = 1.765)
4. Das, R 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*, 90: 135–140. (Elsevier, IF = 2.580) Doi: 10.1016/j.ecoleng.2016.01.025.

5. Ahirwal, J 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*, 140: 155–163. (Elsevier, IF = 2.820). DOI: 10.1016/j.catena.2016.01.028
6. 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 (Taylor & Francis, SCI; IF = 0.562 in 2014). DOI: 10.1080/17480930.2015.1038864.
7. Subhabrata Banerjee, 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 (Springer, SCI, IF = 1.765). DOI: 10.1007/s12665-015-4990-6
8. Maiti, SK, 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 and Environmental Research*. 14(1): 1-12 (SCI; IF = 0.557). http://aloki.hu/indvol14_1.htm.
9. 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 [SCI, Elsevier, IF = 3.520 (2014), 4.091 (in 5 yr)] DOI: 10.1016/j.fuel.2015.09.005. (Citations = 02)
10. Kumar, S, Maiti, Subodh Kumar, Chaudhuri, S (2015). Soil development in 2-21 years old coalmine reclaimed spoil with trees: A case study from Sonapur Bazari open cast project, Raniganj Coalfield, India. *Ecological Engineering*, 84: 311-324. (SCI, Elsevier, IF = 3.041; 5 yr- 3.479). DOI: 10.1016/ecoleng.2015.01.003. (Citations = 02)
11. Banerjee S, Maiti, S.K., 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* (Wiley-Blackwell; SCI, IF = 1.344 in 2014). Vol 29(2): 207-213. DOI: 10.1111/wej.12108. (Citations = 02)
12. 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. (Springer, SCI, IF = 1.765 in 2014), DOI 10.1007/s12665-015-4282-1. (Citations = 02).
13. 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 (SCI Expanded list; IF = 1.100 in 2014).
14. 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). doi: doi:10.1016/j.ecoleng.2015.01.003. (Citations = 04).
15. 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, SCI, IF= 1.466), DOI: 10.1080/15226514.2014.910174. (Citation = 1).
16. 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. (SCI, IF = 0.456). (Citation =0).
 17. 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 US, SCI, IF=1.216). (Citation = 5).
 18. Sangeeta Mukhopadhyay, **S.K Maiti**, RE 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); doi:10.1016/j.ecoleng.2014.07.001 (Elsevier, IF= 3.041). (Citation = 10).
 19. 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). 3/34 (Soil Science); 50/223 (Environmental Sciences) (Citation = 17).
 20. 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 = 20).
 21. 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: 15)
 22. 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).(Citations= 3)
 23. 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) (SCI, IF= 0.532 in 2011) (Citation: 8)
 24. 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] (SCI, IF = 0.547 in 2010) (Citation = 24)
 25. **Maiti, Subodh Kumar (2010)**. Bioremediation of copper mine waste: a case study from Mosaboni copper mines, Eastern India. *Int. J. Environ. and Poll. (IJEPP)*, Vol. 43, Nos. 1/2/3: 78-89 (SCI, IF= 0.626) (Citation: 1) [Inderscience , ISBN ISSN 0957-4352, E ISSN 1741-5101].
 26. Mukhopadhyay, S. and **Subodh Kumar Maiti (2010)**. Phytoremediation of Metal mine waste: A review. *Global Journal of Environmental Research*, 4(3): 135-150 (Citations: 21)

27. 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: 12)**
28. **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: 48)**
29. 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, Impact factor 1.4). **(Citations: 18)**.
30. 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: 5)**
31. 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)
32. 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). (IF = 0.456) **(Citations: 15)**.
33. **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**)
34. **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: 33)**.
35. 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: 7)**.
36. 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: 7)**
37. **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) (IF = 0.531) (Citations: 11)

38. 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).
39. **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: 30).
40. **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: 12).
41. **Maiti, Subodh Kumar** and Ghose M.K (2005). Ecorestoration 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: 28)
42. **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, SCI, IF= 0.531) (Citations: 31)
43. **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) (SCI, IF = 0.883). (Citation =6).

[B]. Chapter Published in Books: 17

1. 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.
2. 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
3. Ajay Mandal, Pradeep Kumar, Keka Ojha and **Subodh Kumar Maiti** (2010). "Characterization and Separation of Oil-in-Water Emulsion" *Advances in Sustainable Petroleum Engineering Sc(ASPES)*, Vol. 1 (4), 2010. www.barnesandnoble.com/w/new...in...rafiq.../1100397260
4. 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.
5. Maiti, Subodh Kumar (2010). Chapter – 7: Ecorestoration 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.

6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. Maiti, Subodh Kumar (2002). *Ecological Environment* pp.110-141 in "*Environmental Management in Mining areas*" (ed. N.C. Saxena et al.), Scientific Publishers (India), Jodhpur.
14. Maiti, S.K (1998). Sequencing batch reactor: A state-of-art technology for wastewater treatment. In *Advances in wastewater treatment technologies* (ed. RK Trivedy), Enviromedia, Karad, pp. 86-93.
15. Maiti, S.K (1998). Carrier activated sludge process (CASP) – a new branch in wastewater treatment technology. In *Advances in wastewater treatment technologies* (ed. RK Trivedy), Enviromedia, Karad, pp. 81-85.
16. Maiti, S.K (1999). Accumulation of heavy metals in *Eucalyptus*, *Acacia* and *Melia* growing on coalmine spoils irrigated with raw domestic sewage. In *Environmental Management in Coalmining and Thermal Power Plants* (eds. PC Mishra & Naik, A). Technoscience Publications, 1999, Jaipur. pp. 202-217.
17. Maiti, S.K (1997). Economic valuation of Environmental Impacts of open-cast coal mining project: An appraisal in Indian context, In *Issues of Environment and Sustainability* (ed. V.P. Upadhaya), Nandighosh 1997, Bhubaneswer, pp.112-125.

D. Publications in National Referred Journals - 53

1. Ahirwal, J, Singh AK, Maiti, SK (2014). The importance and future challenges of ecological restoration of abandoned coalmine degraded lands: an Indian scenario. *Journal of Mines, Metals and Fuels*, Vol 62 (11 & 12): 277-285 (SCOPUS listed).
2. Maiti SK, Adarsh Kumar, Rashda Khanam (2014). An overview of microbiological aspects of ground water quality assessment. *Indian Journal of Environmental Protection*, Vol 34 (12): 988-999.

3. Maiti, SK & Banerjee (2014). Evaluation of Heavy Metal Contamination in River Water Through Assessment, Mobility and Bioavailability of Metals in Sediment - A review. *Indian Journal of Environmental Protection*, Vol 34 (7): 596-608.
4. Das R, Maiti, SK., Chaudhuri, S (2014). Importance of carbon mineralization and soil respiration on soil organic matter dynamics in mine soils. *Indian Journal of Environmental Protection*, Vol 34 (4): 290-300.
5. Chowdhury A., P. Sanyal and S K Maiti (2014). Ethnobotanical Understanding of Mangroves: An Investigation from Central Part of Indian Sundarbans. *Int J Botany and Research*, 4(1): 29-34 (February 2014)
6. Chowdhury A. and S K Maiti (2014). A comparative study of variations in Mangrove biodiversity at Central and Eastern parts of the Sundarban Biosphere Reserve, India. *American International Journal of Research in Formal, Applied & Natural Sciences*, 5(1): 27-31 (Dec 2-13-Feb 2014)
7. Adarsh Kumar and Subodh Kumar Maiti (2013). Availability of Chromium, Nickel & Other Associated Heavy Metals of Ultramafic & Serpentine Soil /Rock and in Plants. *Int. J of Emerging Technology and Advanced Engg.* 3(2): 256-268 (February 2013). (Citations: 8)
8. 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: 3).
9. Sanjoy Kumar, S. Chaudhuri and **Subodh Kumar Maiti** (2011). Assessment of Soil Microbial Respiration in afforested and grassland area of ISM, Dhanbad, India. *Int J of Environ. Science: Development & Monit (IJESDM)*. Vol 2(1): 55-63 (June 2011).
10. Sanjoy Kumar, S. Chaudhuri and **Subodh Kumar Maiti** (2011). Biodiversity of grasses and associated vegetation on different aged soil dumps from Sonepur Bazari OCP, Raniganj Coalfield. *Int J of Environmental Sciences*. Vol 2(2): 145-156. (ISSN 0976 - 4402).
11. Sanjoy Kumar, S. Chaudhuri & S K Maiti (2011). Phosphatase activity in natural and mined soil- A review. *Indian Journal of Environmental Protection*, Vol 31 (11): 955-962
12. Sanjoy Kumar, S. Chaudhuri & S K Maiti (2011). Soil Fluorescein Diacetate Hydrolase Activity in Natural and Degraded Soil- A Review. *Environment & Ecology* 29 (4): 1699-1705
13. Sanjoy Kumar, S. Chaudhuri and SK Maiti (2011). Assessment of VAM spores and root infection from alluvial soil of eastern part of Raniganj Coalfield areas. *The Bioscan*, 6(3): 375-381.
14. Mukhopadhyay, S. and **Subodh Kumar Maiti** (2011). Minesoil reclamation due to tree plantation: a chronosequence study. *African Journal of Basic and Applied Sciences* 3(5): 210-218.
15. Sanjoy Kumar, S Chaudhuri and S K Maiti (2011). Soil Microbial Biomass carbon in natural and Degraded land- A review. *Environment & Ecology*, 29(3B): 1689-1695.
16. Mukhopadhyay S. and Maiti S.K. (2011). Status of Microbial Biomass in Reclaimed Mine Degraded Land and Non-mining Areas: A Review. *Indian J. Env. Prot.*, 31(8): 642-657.
17. Mukhopadhyay, Sangeeta and Subodh Kumar Maiti (2010). Dehydrogenase activity in Natural soil and minesoil- A review. *Indian J. Env. Prot.*, 30(11): 921-933.

18. Maiti S.K and Mukhopadhyay S. (2010). Comparative study of soil CO₂ flux between an afforested coalmine overburden dumps and natural soil. *The Bioscan*, (1): 231-238.
19. Mukhopadhyay, S. and S.K. Maiti (2010). Phytoremediation of Metal mine waste: A review. *Global Journal of Environmental Research*, 4(3): 135-150
20. Sangeeta Mukhopadhyay & SK Maiti (2010). Natural mycorrhizal colonization in tree species growing on the reclaimed coalmine overburden dumps: case study from Jharia Coalfields, India. *The Bioscan*, special issue Vol. 3: 761-770
21. Mukhopadhyay, S. and Maiti, S.K. (2010). Natural Mycorrhizal colonization in Tree Species Growing on the Reclaimed Coalmine Overburden Dumps: Case Study from Jharia coalfields, India, *The Bioscan*. Special issue (3): 761-770.
22. Gurdeep Singh, S. K. Maiti, Shanti Priya Ghosh (2009). Heavy metal contamination in roadside soil and vegetation: A review. *Indian J of Environmental Protection*, 29(4): 334-341 (Apr 2009)
23. Maiti, S.K. (2009). Bioreclamation of Coalmine OB dumps with fruit and timber tree species: A case study of IB valley Coalfields, MCL. *The Indian Min. & Engg J.*, Vol. 48(5): 16-22 (May 2009).
24. Mukhopadhyay Sangeeta and S K Maiti (2009). Reclamation of Mine Spoils with Vesicular Arbuscular Mycorrhiza (VAM) Fungi - A Review. *Environment & Ecology*, Vol. 27 (2): 642- 650.
25. Mukhopadhyay Sangeeta and S K Maiti (2009). Biofertiliser: VAM Fungi- A future prospect for Biological Reclamation of Mine degraded Lands. *IJEP*, 29(9): 801-808 (September 2009).
26. Mukhopadhyay Sangeeta and Subodh Kumar Maiti (2008). Identification of Sustainable Indicators to Assess the Health of Restored Mine Degraded Land – A Review. *Environment & Ecology*, Vol 26(4): 1453-1461.
27. Maiti Subodh Kumar (2007). Minesoil properties of different aged reclaimed coalmine overburden dumps of Korba, Gevra and Kusmunda area of SECL, India. *MINETECH*, Vol 28 (2 &3): 93-98 (Apr-Sep 2007), (Pub 29-08-2008).
28. Maiti, SK (2007). Sequencing Batch Reactor (SBR) Process: An Answer to Simultaneous Removal of BOD, Nitrogen and Phosphorus from Wastewater, *IJEP*, Vol. 27 (6): 527-533.
29. Maiti, SK (2007). Water Quality Impact Assessment and Management for Opencast Coal Mining Projects, *IJEP*, Vol. 27 (11) (November): 967-979.
30. Maiti SK (2006). Properties of minesoil in KD Heslong project, North Karapura area, CCL and its affects on bioaccumulation of toxic metals in tree species. *MINETECH*, Vol. 27 (No. 3-4), July- Dec 2005, p. 41-53.
31. Maiti S.K. and Halder A (2006). Treatment of Coke oven effluents by Duckweeds – a lab-scale study, *IJEP* 26 (5): 449-457 (May 2006).
32. Rakesh Kumar, Das, M., and Maiti SK (2006). Evaluation of phytoremediation of Cu mine waste from Mosaboni, East Sighbhum. *IJEP*, Vol 26 (3): 233-239. (March 2006).
33. S. Jaiswal, Das, M and Maiti SK (2006). Environmental impact of fly ash and its management: An overview, *IJEP*, Vol. 26(3): 268-275. (March 2006).

34. **Maiti, SK (2006)**. Eco restoration of coalmine OB dumps – with special emphasis on tree species and improvements of dump physico-chemical, nutritional & biological characteristics. *MGMI Transactions*, Vol. 102 (1 &2): 21-36, (April 2005- March 2006).
35. **Maiti, S.K.** and Debalina Das (2004). Eco restoration of coalmine overburden dumps, *Environment & Ecology* 22 (Spl-2): 329-333. (June 2004)
36. Ganguly, S. and **Maiti, S.K.** (2004). Genesis of domestic sewage - case study of a residential university campus. *J of Environ. Science & Engg.* 46 (2): 79-85.
37. Das, M. and **Maiti, S.K.** (2004). Current status of PM10 and P2.5 research: A Review, *Indian J of Environmental Protection*, 24(10): 746-752.
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