



Dr. Prabir Kumar Maity (PhD Engg. JU), Officer-in-Charge, Contai Polytechnic

LIST OF AUTHOR'S PUBLICATIONS

Journal :

- 1) Chakraborty, S., **Maity, P.K.** and Das, S. (2019). “Investigation, simulation, identification and prediction of groundwater levels in coastal areas of Purba Midnapur, India using MODFLOW”. *Environment, Development and Sustainability, Springer Netherlands, published online. DOI: 10.1007/s10668-019-00344-1. WoS, Scopus and UGC indexed.*
- 2) Chakraborty, S., **Maity, P.K.**, J. Bernadette and Das, S. (2019). “Overexploitation of Groundwater Causing Seawater Intrusion in the Coastal Aquifer of Egra in West Bengal. *The paper has been accepted for publication in Indian Journal of Environmental Protection. (WoS, Scopus and UGC indexed)*
- 3) **Maity, P.K.**, Das, S. and Das, R. (2018). “Remedial Measures for Saline Water Ingression in Coastal Aquifers of South West Bengal in India”. *MOJ Ecology & Environmental Science, Vol. 3, Issue 1, pp. 00061. DOI: 10.15406/mojes.2018.03.00061.*
- 4) **Maity, P.K.**, Das, S. and Das, R. (2018). “A geochemical investigation and control management of saline water intrusion in the coastal aquifer of Purba Midnapur district in West Bengal, India”. *Journal of the Indian Chemical Society, Vol. 95, Issue 3, pp. 205-210. WoS, Scopus and UGC indexed.*
- 5) **Maity, P.K.**, Das, S. and Das, R. (2017). “Methodology for Groundwater Extraction in the Coastal Aquifers of Purba Midnapur District of West Bengal in India under the Constraint of Saline Water Intrusion”. *Asian Journal of Water, Environment Pollution, Vol. 14, No. 2, pp. 1-12. DOI: 10.3233/AJW-170011. WoS, Scopus and UGC indexed.*
- 6) **Maity, P.K.**, Das, S. and Das, R. (2017). “Assessment of Groundwater Quality and Saline Water Intrusion in the Coastal Aquifers of Purba Midnapur District, West Bengal, India”. *Indian Journal of Environmental Protection, Vol. 37, No. 1, pp. 31-40. Scopus and UGC indexed.*
- 7) Basack, S., Bhattacharya, A.K. and **Maity, P.K.**, (2014) “A coastal groundwater management model with Indian case study” the Journal, Water Management, *Proceedings of the Institution of Civil Engineers, United Kingdom, Vol. 167, Issue WM3, March, 2014. Pages 126-140. Paper 1200008. http://dx.doi.org/10.1680/wama.12.00008.*

- 8) Bhattacharya, A.K., Basack, S., and **Maity, P.K.**, (2014)“Significance of hydro-geological and hydro-chemical Analysis in the evaluation of coastal groundwater resources in eastern India” *the IOSR Journal of Engineering, Vol. 4, Issue 2 (Part 2), February, 2014, Pages 40-51.*
- 9) Bhattacharya, A.K., Basack, S., and **Maity, P.K.**, (2012). “An Innovative Methodology for Groundwater Management with Reference to Saline Water Intrusion”, *the Journal of Engineering IOSRJEN, ISSN: 2250-3021,Vol. 02,Issue 06(Part 1), June, 2012, pages 1473-1486.*
- 10) Basack, S., Bhattacharya, A.K., Sahana, C., and **Maity, P.K.**, (2010). “A Study on Saline Water Intrusion and Fresh Water Recharge relevant to Coastal Environment”, *WSEAS Transaction on Fluids Mechanics (ISSN: 1790-5087) Including in ISI/SSI Web of Science and Web of Knowledge, issue 3, Volume 5, July 2010 , pages 80-90,[www.wseas.org]*.
- 11) Bhattacharya, A.K., Basack, S., and **Maity, P.K.**, (2010). “Saline Water Intrusion in Bhadrak and Balasore Districts of Orissa, India”, *the Journal of River Research Institute West Bengal, ISSN: 0970-9258,Vol. 30, 2009-2010, pages 31-39.*
- 12) Bhattacharya, A.K., Basack, S., and **Maity, P.K.**, (2010). “Groundwater Extraction in Coastal Arid Regions-A Design Methodology using Qanats”, *the Electronic Journal of IETECH Journal of Civil and Structures, Vol.3, No.:1, pages 017-020, [www.ietech.org]*.
- 13) Bhattacharya, A.K., Basack, S., and **Maity, P.K.**, (2008). “Saline Water Intrusion in Bhadrak and Balasore Districts of Orissa, India”, *the Electronic Journal of Geotechnical Engineering, Vol. 13, 2008 –Bundle L, ejge paper 2008-0869.*
- 14) Bhattacharya, A.K., Basack, S., **Maity, P.K.**, Paira, L.K., Sarkar, S and Maji, S.C.,(2004). “Hydrogeology of the Bay of Bengal Coast of India With Special Emphasis on Saline Water Intrusion”, *the Electronic Journal of Geotechnical Engineering, Volume 9, 2004 –Bundle F, ejge paper 2004-0477.*
- 15) Bhattacharya, A.K., Basack, S., **Maity, P.K.**, Paira, L.K.,(2004). “Geological Controls on Saline Water Intrusion into the Aquifers of the East Coast of India”, *the Journal of Environmental Hydrology, Vol. 12, Paper 21, November, 2004. pages 1-8. {This paper has been cited in CSA Illumina in 2005}*
- 16) Bhattacharya, A.K., Basack, S., and **Maity, P.K.**, (2004) “Groundwater Extraction in the United Arab Emirates Under the Constraint of Saline Water Intrusion” *the Journal of Environmental Hydrology, Vol. 12, Paper 6, No.6, April, 2004. pages 1-5.*

List of Presentation in National/International/Conferences/ Workshops:

- 1) Chakraborty, S., **Maity, P.K.** J. Bernadette and Das, S. (2019). “Examining the Extent of Seawater Intrusion from Groundwater Quality Analysis at Purba Medinipur Coast of India” *has been presented at, and published in the Proceedings of the 2nd National Conference on Sustainable Advanced Technologies for Environmental Management, December 18 – 20, 2019 (SATEM-2019), at Indian Institute of Engineering Science and Technology, Shibpur.*
- 2) **Maity, P.K.**, Das, S., Das, R. (2018).”Geochemical Study and Remedial Measures of Seawater Ingression in the Southern Part of Purba Midnapur District in West Bengal” *has been presented at, and published in the Proceedings of the 1st International Conference on Emerging Trends in Engineering and Science (ETES 2018) at Asansol Engineering College.*
- 3) **Maity, P.K.**, Das, S., Das, R. (2017). “A Geochemical Investigation and Control Management of Saline Water Intrusion in the Coastal Aquifer of Purba Midnapur District in West Bengal, India” *has been presented at, and published in the Proceedings of the National Conference on Sustainable Advanced Technologies for Environmental Management (SATEM-2017), at Indian Institute of Engineering Science and Technology, Shibpur.*
- 4) Basack, S., Bhattacharya, A.K., **Maity, P.K.**, ,(2014)A control methodology for saline water intrusion adopted in coastal aquifer of West Bengal, India” *has been presented at, and published in the Proceedings of, the National Seminar on ‘Geotechnique Today – Prediction, Modelling and Construction’, 28 February-1 March, 2014, Kolkata. Pages 47-52.*
- 5) Basack, S., Bhattacharya, A.K., **Maity, P.K.**, (2013) “Analysis and control of saline water intrusion into a coastal aquifer in West Bengal, India” *has been presented at, and published in the Proceedings of, the Indian Geotechnical Conference, 22-24 December, 2013, Roorkee. Paper No. 98.*
- 6) Bhattacharya, A.K., Basack, S., and **Maity, P.K.**,(2012).“ An Innovative Methodology for Groundwater Management with Reference to Saline Water Intrusion” *has been presented in fifth International Groundwater Conference IGWC-2012, Aurangabad , India, 18-21, December, 2012.*
- 7) Basack, S., Bhattacharya, A.K., **Maity, P.K.**, (2012). “ Hydrogeological Investigation on Saline Water Intrusion into a Coastal Aquifer of West Bengal, India”, *has been presented at, and published in the Proceedings of the Indian Geotechnical Conference, IGC 13-15 December, 2012, Indian Institute of Technology Delhi.*
- 8) Bhattacharya, A.K., Basack, S., and **Maity, P.K.** and Sahana, C.,(2008).“Saline Water Intrusion in Coastal Aquifers of Bhadrak and Balasore Districts of Orissa, India” *has been presented at, and published in the Proceedings of, the Fifteenth West Bengal State Congress of Science and Technology, 28-29 February, 2008, Bengal Engineering and Science University, Shibpur, Howrah.*

- 9) **Maity, P.K.**, Bhattacharya, A.K., and Basack, S.,(2007). “A Hydrological and Hydrochemical Study of the Deltaic Aquifer Existing in Haldia, West Bengal, India” *has been presented at, and published in the Proceedings of, the National Seminar on Agriculture Development and Rural Drinking Water*, 4-5 April, 2007, Bhopal. Vol. I, pages 29-31.
- 10) Basack, S., Bhattacharya, A.K., Paira, L.K., **Maity, P.K.**, (2006). “A case study on treatment of expansive soil with sand under a rural road construction project”, *has been presented at, and published in the Proceedings of the Indian Geotechnical Conference, 16-18 December, 2006, Indian Institute of Technology Madras, Chennai. Pages 321-323.*
- 11) Bhattacharya, A.K., Basack, S., and **Maity, P.K.**, (2006), “Alteration of Hydraulic Conductivity of Sand Due to Submergence Under Saline Water” *has been presented at, and published in the Proceedings of, the Indian Geotechnical Conference, 16-18 December, 2006, Indian Institute of Technology Madras, Chennai. Pages 843-844.*
- 12) Bhattacharya, A.K., Basack, S., **Maity, P.K.**, Sarkar, S., (2005). “A Case Study of Geohydraulic Characteristics in Coastal Aquifers of Purba Midnapur, West Bengal, India”, *has been presented at, and published in the Proceedings of, the Indian Geotechnical Conference, 17-19 December, 2005, Ahmedabad. Pages 315-318.*
- 13) Bhattacharya, A.K., Basack, S., and **Maity, P.K.**, (2004).“A Feasible Method of Groundwater Extraction in the United Arab Emirates and Qatar”, *has been presented at, and published in the Proceedings of, the International Conference on Water Resources – Flood Control, Irrigation, Drinking Water, Waterways, Electric Power and Transmission System, 3-4 February, 2004, New Delhi. Pages 170-175.*
- 14) Bhattacharya, A.K., Basack, S., **Maity, P.K.**, Banerjee, S.,(2003). “Inter-Basin Transfer of Water in India” by P.Basu, A.K.Bhattacharya, S.Basack, *has been presented at, and published in the Proceedings of, the International Conference on Water and Environment: Planning, Development, Utilisation, Conservation and Management, 15-18 December, 2003, Bhopal. Vol. 5, pages 524 – 527.*