

Publications of Prof. Raj Mohan Singh, Civil Engg. Deptt.

Journal Papers

1. Yadav A., Singh R. M., Singh, U. and Singh S.K. "Influence of River Bridge on River Morphology: A Case study of Transboundary Ghaghara River". *Natl. Acad. Sci. Lett.* (2026). <https://doi.org/10.1007/s40009-025-01913-x>
2. Kumar P., Singh R. M. and Yadav A. (2025), "Groundwater Simulation and Recharge Impact on Availability in the Yamuna-Krishni Interfluvial Region". *Current Science*. (Accepted, 2026)
3. Singh S. K., Singh U, Garg A, Yadav A and Singh R. M. "Land Area Reclamation & Expansion in Mahakumbh-2025, India: A Case Study". *International journal of Environmental sciences*, ISSN:2229-7359, Vol 11 No.06, p.p.1706-1715, (2025). <https://doi.org/10.64252/x53nzw90>
4. Yadav A. and Singh R. M. "Presence and water availability of Jagdalpur urban area in Indravati River basin analyzed by LULC densities and ArcSWAT model". *Urban Water Journal*, 1-15 (2025). <https://doi.org/10.1080/1573062X.2025.2519098>
5. Yadav, A., & Singh, R. M. Inflow Assessment Using Hydrologic and GIS Techniques of Macpherson Lake Watershed in Prayagraj, India. *National Academy Science Letters*, 48(5), 595-599, (2025).
6. Meena, Ram Raj, et al. "Intensification of fluoride removal using electrocoagulation reactor with rotating fins and rings electrodes (Aluminium and Iron) in different configurations." *Chemical Engineering and Processing-Process Intensification* (2025): 110463. doi.org/10.1016/j.cep.2025.110463
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9. Yadav, A., Singh, R.M. Spatio-Temporal Analysis and Prediction of Land Use and Land Cover in Jagdalpur Sub-Division of Bastar District in State of Chhattisgarh, India from 2012 to 2037. *J. Inst. Eng. India Ser. A* (2024) (16 Oct. 2024). <https://doi.org/10.1007/s40030-024-00849-7>
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12. Yadav, A., Singh, R.M., Pandey, M.K. *et al.* Hydrodynamic modelling of river training works for protection of group of villages on the left bank of Ramganga River: a case study. *Nat*

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Books and Book Chapters

Books Edited

#1 Environmental Processes and Management, Tools and Practices for Groundwater, *Springer, Water Science and Technology Library, (Springer) 2023, Volume 120*, <https://doi.org/10.1007/978-3-031-20208-7>

Editors: Prabhakar Shukla, Prachi Singh and Raj Mohan Singh

#2 Environmental Processes and Management, Tools and Practices, Water Science and Technology Library, Volume 91, Springer Nature 2020, [springer.com](https://www.springer.com) ISBN 978-3-030-38151-6

Editors: Raj Mohan Singh, Prabhakar Shukla and Prachi Singh

3# Book of Extended Abstracts, International Conference on Modelling of Environmental and Water Resources Systems (ICMEWRS-2017), *March 24-26th, 2017, HBTU Kanpur, India, ISSN: 978-93-85926-53-2., 272 pages*, Allied Publishers Pvt. Ltd. (ISBN-10 : 9385926535, ISBN-13 : 978-9385926532)

Editors: Diptee Parmar, R.M. Singh. Amitabh Srivastava, Alok Sharma and R.K. Prasad

Book Chapters

1. Kumar, P., Shukla P. and Singh, R.M. (2023). Study of rising Surface Water Levels on Land Submergence and Groundwater” in Shukla, P., Singh, P., and Singh, R.M. (Eds.) Water Science and Technology Library (Springer), Volume 120, 2023. ISBN 81-7764-243-X & 81-7764-245-6; ISSN 0921-092X ISSN 1872-4663 (electronic), ISBN 978-3-031-20207-0; ISBN 978-3-031-20208-7 (eBook) <https://doi.org/10.1007/978-3-031-20208-7>
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Papers in Conferences Proceedings

International Conferences Proceedings

1. Yadav, A. and Singh, R.M. (2024). Assessment of Surface Runoff in the Macpherson Lake Catchment using SCS-CN and GIS Technique. In *International Water Conference for Sustainable Development Goals 2024 (IWCSGD 2024)*, 22nd to 23rd March, 2024, Civil Engg. Department MANIT Bhopal, India.
2. Singh, D., Singh, R.M. and Rawal, N.R. (2023). Contamination Potential of Municipal Solid Waste Landfill Leachate in Urban Areas. In *International Conference on Technologies and Innovations for Sustainable Development (TISD-2023)*, October 27-29, 2023 Organized by Central Library Motilal Nehru National Institute of Technology Allahabad (MNNIT) Prayagraj- 211004, India
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8. Kumar, P., Shukla S. P., Behera S. N. and Singh, R.M. (2022). *A GIS-based route optimization approach for Municipal solid waste management.* in *International Conference on Recent Developments in Civil Engineering (RDC-2022)*, organised by Motilal Nehru National Institute of Technology, Allahabad (U.P.), India, October 20-21, 2022
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- School of Chemical Engineering, Universiti Sains Malaysia which was held at Motilal Nehru National Institute of Technology Allahabad, Prayagraj during April 14-16, 2022.
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 11. Verma, R; Basu, D; and Singh, R.M. (2021). Assessment of water quality variation in upper ganga canal after extreme flood events using interrupted time series modeling. International Conference on Water and Environment (ICWE -2021), MANIT Bhopal, March 22-23, 2021.
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 14. Nayyar, D., Kumar, A., Basu, D. and Singh, R.M. (2020). Modeling and Performance Evaluation of Electrocoagulation Unit for the Removal of Hexavalent Chromium. **Second ASCE India Conference on “Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies”, Kolkata (Novotel Kolkata Hotel and Residence), West Bengal- 700156 (March 02-04 2020)**
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