

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

Journals

Published:

1. Shilpi, Singh, R.M. (2022) Assessment and prediction of LULCC dynamics in a part of Indo-Gangetic Alluvial Plain (IGAP) using geospatial techniques on multi-temporal Landsat imageries. *Arab J Geosci* **15**, 1076 (1-19). <https://doi.org/10.1007/s12517-022-09892-9>
[May 28, 2022]
2. Singh, R. M. (2021). Discussion of “Resolving Conflicts between Irrigation Agriculture and Ecohydrology Using Many-Objective Robust Decision Making” by Yu Li and Wolfgang Kinzelbach, *Journal of Water Resources Planning and Management*, ASCE (*American Society of Civil Engineers*), 147(7), May 2021 (online published first). [May 14, 2021]
3. Singh, R. M. (2021). Discussion of “Multiobjective Optimization of Sensor Placement for Precipitation Station Monitoring Network Design” by Ke Wang, Jia Yang, Yuling Peng, Qianqian Wu, and Chuli Hu; ASCE (*American Society of Civil Engineers*), *Journal of Hydrologic Engineering* 26(7):07021005-1 (online published first) [May 12, 2021]
4. Prasad, A., Singh, R.M. & Duggal, S.K. (2021). Optimal Design of Barrage Profile on Anisotropic Soil Using Multi-Objective Optimization Approach. *Water Resour Manage* (Springer), 35, 2433-2448 [<https://doi.org/10.1007/s11269-021-02839-x>] [[May 12, 2021]
5. Singh, R.M. and Shukla, P. (2020). Drought Characterization Using Drought Indices and El Niño-Effects. *Natl. Acad. Sci. Lett.* (Springer), 43(4):339–342 <https://doi.org/10.1007/s40009-019-00870-6>. [ISSN 0250-541X, Published online First, 2 January, 2020] [I.F. 0.4. (2020)]
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8. Srivastava, P. and Singh, R.M. (2017). Agricultural Land Allocation for Crop Planning in a Canal Command Area using Fuzzy Multi-objective Goal Programming, *Journal of Irrigation and Drainage Engineering*, 143(6): 040170071-040170079 (DOI:10.1061/(ASCE)IR.1943-4774.0001175).

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10. Singh, R.M. and Shukla, P. (2016). Groundwater system simulation and management using Visual MODFLOW and Arc SWAT. *Journal of Water Resource and Hydraulic Engineering*, Vol. 5 (1), 29-35. [DOI: 10.5963/JWRHE0501003]
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[Volume 163, 1 January 2016, Pages 37-47]
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Books Edited

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

#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

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: Dipteeek Parmar, R.M. Singh. Amitabh Srivatava, Alok Sharma and R.K. Prasad

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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>
2. Singh R. M. and Singh P. (2016). "Groundwater quality mapping and predictions using geospatial and soft computing techniques". In S. M. Yadav (Ed.), *Application of Soft Computing Techniques in Civil Engineering*(pp. 80-94) Viva Book Publications, ISBN 978-93-87692-99-2
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Papers in Conferences Proceedings

International Conferences Proceedings

1. 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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5. Yadav, A. and Singh R.M. (2023), "River Modelling for Flood Mitigation using HEC-RAS", in abstract proceedings of 3rd International Conference on River Corridor Research and Management (RCRM 2023), Organised by Indian Institute of Technology Jammu and Indian Institute of Technology Guwahati, India from 15th to 17th June 2023, P-38 ./Online (Virtual)
6. Raj, A. and Singh R.M. (2023), Study of Effect of Variation of Threshold Values on Hydrological Response Units in Basin Modeling Using Swat, in abstract proceedings of 3rd International Conference on River Corridor Research and Management (RCRM 2023), Organised by Indian Institute of Technology Jammu and Indian Institute of Technology Guwahati, India from 15th to 17th June 2023, P-46 ./Online (Virtual)
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12. Kumar, P; Raj, A; Srivastava, A; Kumar, Gohitman, C.K.; and Singh, R.M. (2021). Optimal design of barrage profile under surface and subsurface flow considerations. International Conference on Recent Advances in Civil Engineering for Sustainable Development (RACESD-2021), MANIT Bhopal February 13-14, 2021.
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Development in Emerging Economies”, Kolkata (Novotel Kolkata Hotel and Residence), West Bengal- 700156 (March 02-04 2020)

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 23. Shukla P. and Singh R.M. (2017) "Changes in Land Use and Land Cover in Sai-Gomti Interfluvial Region". *Proceedings of International Conference on modeling of environmental and water resources systems (ICMEWRS-2017), March 24-26th, 2017, HBTU Kanpur, India. Page 125, ISSN: 978-93-85926-53-2.*
 24. Singh R., Singh R. M. and Rawal N.R. (2017) "Contaminant Flow and Transport in Alluvial Aquifer System". *Proceedings of International Conference on modeling of environmental and water resources systems (ICMEWRS-2017), March 24-26th, 2017, HBTU Kanpur, India. Page 173, ISSN: 978-93-85926-53-2.*
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