

PUBLICATIONS

Patent

1. Lek haz Devulapalli, Goutham Sarang and **Saravanan K** (2020) A Novel Method to Probe the Microstructure Analysis of the Reclaimed Asphalt Pavement, Application No: 202041039310A, Date of filing of application: 11/09/2020 and Publication date: 18/09/2020.

Book Chapter

1. Deepak Kashyap, **Saravanan K**, Shalabey M.E.E and Anupma Sharma (2016) Chapter 4: Compound Wells for Skimming Fresh Water from Fresh-Saline Aquifers, book titled Groundwater Assessment, Modeling, and Management editors M. Thangarajan and Vijay P. Singh, CRC Press, Taylor & Francis Group, USA, ISBN 9781498742849.
2. Lek haz Devulapalli, Saravanan K and Goutham Sarang (2020) Chapter 4: Economic Analysis of the Reclaimed Asphalt Pavement mixtures with Rejuvenator, book titled Construction Economy Modern Perspective editors R. Sivakumar, S. Karthiyaini and M. Shanmugasundaram, ASKM Innovations and Sakthi Consultancy Pvt Ltd, ISBN: 9789354065743.
3. Saravanan. K, Dinagarapandi. P and Mohan. K (2020) Chapter 8: Landslide Vulnerability Mapping Using Geospatial Technology, book titled Sustainable Development Practices using Geoinformatics, editors Shruti Kanga, Varun Narayan Mishra, and Suraj Kumar Singh Scrivener Publishing LLC, Beverly, MA 01915, United States, ISBN: 9781119687115.

International Journal

1. Dinagarapandi. P, **Saravanan. K** and Mohan. K (2020) Factor analysis based prioritization of morphometric parameters at sub-watershed level, Water & Energy International Journal, Vol. 63 No. 9 pp 52-59.
2. Lek haz Devulapalli and **Saravanan. K** (2020) Evaluation of RAP Content and Waste Cooking Oil Dosage as a Rejuvenator in the Stone Matrix Asphalt, Indian Journal of Environmental Protection, Vol. 40 No. 7 PP 691-697.
3. Lek haz Devulapalli, **Saravanan. K** and Goutham Sarang (2020) Microstructural characterisation of reclaimed asphalt pavement with rejuvenators, International Journal of Pavement Engineering, DOI: 10.1080/10298436.2020.1788027
4. Dinagarapandi. P, **Saravanan. K** and Mohan. K (2020) Delineation of potential groundwater zones based on multicriteria decision making technique, Journal of Groundwater Science and Engineering, Vol.8 No.2, PP 180—194 (DOI: 10.19637/j.cnki.2305-7068.2020.02.009)
5. Lek haz Devulapalli, Saravanan K and Goutham Sarang (2020) Effect of rejuvenating agents on stone matrix asphalt mixtures incorporating RAP, Construction and Building Materials, Science Direct Group Journal, Vol. 254, PP.
6. Lek haz Devulapalli and **Saravanan K** (2019) Cost-benefit Analysis of RAP Incorporated Stone Matrix Asphalt Mixtures, International Journal of Recent Technology and Engineering, Vol. 8 Issue 3, PP 6146-6149.

7. Lekhaz Devulapalli, **Saravanan K** and Goutham Sarang (2019) Evaluation of rejuvenator's effectiveness on the reclaimed asphalt pavement incorporated stone matrix asphalt mixtures, *Construction and Building Materials, Science Direct Group Journal*, Vol. 224, PP. 909–919.
8. Lekhaz Devulapalli, **Saravanan K** and Goutham Sarang (2019) A review on the mechanisms involved in reclaimed asphalt pavement, *International Journal of Pavement Research and Technology, Springer Group Journal*, Vol 12, Issue 2, PP. 185-196.
9. Dinagara Pandi. P, Thena. T, Nirmal. B, Aswathy. M.R, **Saravanan. K** and Mohan. K (2017) Morphometric analyses of Neyyar River Basin, southern Kerala, India, *Geology, Ecology, and Landscapes, Taylor & Francis Group Journal*, Vol 1, No.4, PP. 249–256. (DOI: 10.1080/24749508.2017.1389494)
10. Dinagarapandi. P, **Saravanan. K** and Mohan. K (2017) “Identifying Runoff Harvesting Sites Over the Pennar Basin, Andhrapradesh Using SCS-CN Method” *International Journal of Civil Engineering and Technology*, Vol 8, Issue 8, PP. 65–73.
11. Dinagarapandi. P, **Saravanan. K** and Mohan. K (2016) “Satellite Imagery Based Approach to Assess Potential Rainwater Water Harvesting Site” *International Journal of Control Theory and Applications*, Vol 9, Issue 52, PP. 42–54.
12. Kasiviswanathan. K.S., Saravanan. S., Balamurugan. M and **Saravanan. K** (2016) “Genetic programming based monthly groundwater level forecast models with uncertainty quantification” *Modeling Earth Systems and Environment, Springer Group Journal*, Vol. 2, No. 1, PP2-27.
13. **Saravanan. K**, Mohan. K, Kasiviswanathan. K.S and S. Saravanan. S (2015) “A GIS-Based Approach for Identifying Potential Runoff Harvesting Sites in the Bhavani Watershed, Tamilnadu, India”, *Australian Journal of Basic and Applied Sciences*, Vol. 9 No.27 PP 479-486.
14. **Saravanan. K.**, Kasiviswanathan, K.S. and Saravanan, S (2015) “Morphometry Analysis of Bhavani River Basin in Tamilnadu, India”, *International Journal of Applied Engineering Research*, Vol. 10 No.33.
15. Kushagra Manash, Shahzaib Shafiq Zargar, Mohan. K and **Saravanan. K.** (2015) “A Multi-Method Approach to Study the Stability of Landslides in Nilgiris, Tamilnadu”, *International Journal of Applied Engineering Research*, Vol. 10 No.33.
16. **Saravanan. K**, Deepak Kashyap and Anupma Sharma (2014), “Model assisted design of scavenger well system”, *Journal of Hydrology*, Vol. 510, pp 313–324 (DOI link: <http://dx.doi.org/10.1016/j.jhydrol.2013.12.031>)