

**Details of research publications of faculty members in the academic year 2017-18**

<b>Sl No.</b>	<b>Faculty Name</b>	<b>Co-author</b>	<b>Paper/Book Title</b>	<b>Publisher details with year and page numbers</b>	<b>Impact Factor/ Cite Score</b>	<b>Citations</b>
1	Dr. Abhilash T. Nair	Melinda Varhelyi, Vasile-Mircea Cristea, Marius Brehar, Evelina-Diana Nemes,	Wwtp model calibration based on different optimization approaches	Environmental Engineering and Management Journal, Volume -18, Issue-8, Pages: 1657-1670, Publication date 2019/8/1		
2		Jaganathan Senthilnathan, SM Shiva Nagendra	Application of the phycoremediation process for tertiary treatment of landfill leachate and carbon dioxide mitigation	Journal of Water Process Engineering, Volume - 28, Pages: 322-330, Publisher: Elsevier, Publication date: 2019/4/1		
3	Dr. S. Bali Reddy	A Murali Krishna, Krishna R Reddy	Sustainable Utilization of Scrap Tire Derived Geomaterials for Geotechnical Applications	Indian Geotechnical Journal, Volume - 48, Issue - 2, Pages: 251-266, Publisher: Springer India, Publication date: 2018/6/1	0.215	3
4	Dr. Aneesh Mathew	Sumit Khandelwal, Rohit Goyal, Nivedita Kaul	Assessment of land surface temperature variation due to change in elevation of area surrounding Jaipur, India	The Egyptian Journal of Remote Sensing and Space Science, Volume - 21, Issue - 1, Pages: 87-94, Publisher - Elsevier, Publication date: 2018/4/1	3.005	31
		Sumit Khandelwal, Nivedita Kaul	Analysis of diurnal surface temperature variations for the assessment of surface urban heat island effect over Indian cities	Energy and Buildings, Volume -1 59, Pages: 271-295, Publisher - Elsevier, Publication date: 2018/1/15	4.495	18
5	Dr. Suprava Jena	Priyanka Atmakuri, PK Bhuyan	Evaluating service criteria of urban streets in developing countries based on road users' perception	Transportation in developing economies, Volume - 4, Issue - 1, Pages - 2, Publisher - Springer International Publishing, Publication date : 2018/4/1		3
		Atmakuri Priyanka, Sambit Kumar Beura, PK Bhuyan	Application of Fuzzy inference system to estimate perceived LOS criteria of urban road segments	Proceedings of 2nd International Conference on Intelligent Computing and Applications, Pages : 639-651, Publisher - Springer Singapore, Publication year : 2017		2
		Sambit Kumar Beura, Haritha Chellapilla, PK	Determining urban street levels of service in developing cities: An	Proceedings of 2nd International Conference on Intelligent Computing and Applications, Pages :		

		Bhuyan	effective solution for sustainability of automobile users	653-669, Publisher - Springer, Singapore, Publication year - 2017		
6	Dr. Avadhoot Bhosale	Robin Davis, Pradip Sarkar	Seismic Safety of Vertically Irregular Buildings: Performance of Existing Indicators	Journal of Architectural Engineering, Volume - 24, Issue - 3, Pages : 04018013, Publication date - 8 May 2018, Publisher - American Society of Civil Engineers,		1
		Robin Davis, Pradip Sarkar	New Seismic Vulnerability Index for Vertically Irregular Buildings	ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, Volume - 4, Issue - 3, Pages: 04018022, Publisher - American Society of Civil Engineers, Publication date: 2018/4/30		1
7	Mr. Biraja Prasad Mishra	Dr. Manoranjan Barik	NURBS-augmented finite element method for static analysis of arbitrary plates	Computers & Structures, Publisher - Pergamon	3.354	1
8	Dr. N. Amaranatha Reddy	Vikas Mendi, M. Lokeshwari, T. Raghvindhra	What is the Tidal Energy potential of Sri Lanka?	ASCE India Conference 2017, <a href="https://doi.org/10.1061/9780784482025.037">https://doi.org/10.1061/9780784482025.037</a> , Publication date: 12/1/2018		
		Lokeshwari M, Vikas Mendi	Peak flood estimation along southern coast: Kerala, India	9th International Conference on Asian and Pacific Coasts (APAC 2017), <a href="https://www.worldscientific.com/doi/abs/10.1142/9789813233812_0017">https://www.worldscientific.com/doi/abs/10.1142/9789813233812_0017</a>		
		Vikas Mendi, M. Lokeshwari, T. Raghvindhra	Flood estimation using Probability Distribution function based Synthetic Unit Hydrographs at ungauged Catchments in Varrar Basin, Kerala, India	ASCE India Conference 2017, <a href="https://doi.org/10.1061/9780784482025.016">https://doi.org/10.1061/9780784482025.016</a>		
		M. Lokeshwari, Vikas Mendi, T. Raghvindhra,	Co-Composting of Municipal solid waste with sewage sludge for sustainable waste management in Urban areas	ASCE India Conference 2017, <a href="https://doi.org/10.1061/9780784482025.009">https://doi.org/10.1061/9780784482025.009</a>		
		T. Raghvindhra, M. Lokeshwari, Vikas Mendi,	Effect of water content on relative flow area and hence predicted flow values of controlled low strength materials	ASCE India Conference 2017, <a href="https://doi.org/10.1061/9780784482025.020">https://doi.org/10.1061/9780784482025.020</a>		

9	Dr. Ruhul Amin Mozumder	A I Laskar, Monowar H	Empirical Approach For Strength Prediction of Geopolymer Stabilized Clayey Soil Using Support Vector Machines	Construction and Building Materials, Elsevier, 132 (2017), 412-424	4.046	
		Roy B, Laskar AI	Support Vector Regression Approach to Predict the Strength of FRP Confined Concrete	Arabian Journal for Science and Engineering, Springer, 2017, 42, 1129-1146	1.518	
		Sarmah M, Roy B	Effect of chopped basalt fibers on the cyclic behavior of RCC beam-column subassemblies	Arabian Journal for Science and Engineering, Springer, 2017, DOI 10.1007/s13369-017-2801-y	1.518	
10	Dr. Vinod Kumar Adigopula	Bogireddy C., Guzzarlapudi S.D., Gonawala R., Kumar R.	Mechanistic Analysis of Subgrade Soil Reinforced with Modified Jute Geotextile	New Prospects in Geotechnical Engineering Aspects of Civil Infrastructures, GeoChina 2018, Sustainable Civil Infrastructures, Springer, 17 July 2018, <a href="https://doi.org/10.1007/978-3-319-95771-5_14">https://doi.org/10.1007/978-3-319-95771-5_14</a> , Pages: 164-178		
		S.D. Guzzarlapudi, Rakesh Kumar	Comparative study of flexible pavement layers moduli backcalculation using approximate and static approach	Materials Today: Proceedings, Volume 4, Issue 9, 2017, Pages 9812-9816, Springer, Available online: 26 October 2017, doi: <a href="https://doi.org/10.1016/j.matpr.2017.06.272">https://doi.org/10.1016/j.matpr.2017.06.272</a>		
		Deol S., Kumar R.	Comparative studies of lightweight deflectometer and Benkelman beam deflectometer in low volume roads	Advancement in the Design and Performance of Sustainable Asphalt Pavements, Springer, Available online: 12 July 2017, doi: <a href="https://doi.org/10.1007/978-3-319-61908-8_13">https://doi.org/10.1007/978-3-319-61908-8_13</a> , Pages:168-184		