PUBLICATIONS

Name of the Faculty: **Souvik Das**

Sl. No	**Paper Title**	**Name of Journal**	**Publisher**	**Year of Publication**	**ISSN/ISBN No.**	**Vol. No.**	**Page No.**	**IMPACT FACTOR**
1	Drainage Basin Morphometry and its Relation to Erosion Susceptibility in the Barakar River Basin, Jharkhand & West Bengal https://indiageomorph.org/uploads/pdf/S-Das-23-7-21.pdf	Journal of Indian Geomorphology **(CITATIONS: 06)**	Indian Institute of Geomorphologists (IGI)	2020	(ISSN: 2320- 0731)	8	73-89	NA
2	Identifying topographic disequilibrium conditions and their lithological and tectonic implications in a rifted river basin of Eastern India: Insights from DEM-derived longitudinal profiles and their derivatives https://doi.org/10.1007/s12040-024-02492-z	Journal of Earth System Science **(CITATIONS: 02)**	Springer	2025	(ISSN: 0973-774X)	134	24	1.7

3	Understanding the complexities of mustard intercropping: Inferences based on land suitability and farmers' choices in a paddy-dominated cropping system of eastern India https://doi.org/10.1016/j.jclepro.2025.147235	Journal of Cleaner Production (ISSN (eISSN): 1879-1786) Volume: 538, 147235	Elsevier	2025	(ISSN (eISSN): 1879-1786)	538	147235	10.00
4	Interlinking erosion susceptibility, channel geometry and stream power: a case study of the Mayurakshi River, eastern India https://doi.org/10.1007/s10668-024-04634-1	Environment, Development and Sustainability (ISSN 1387-585X) Volume: 27, 17719-17740	Springer	2025	(ISSN 1387-585X)	27	17719-17740	4.5
5	Sub-basin prioritisation from morphometry for erosion management in an undulating rocky terrain: Validating different MCDM techniques with respect to RUSLE in the Chaka River Basin, Eastern India https://doi.org/10.1007/s12040-024-02295-2	Journal of Earth System Science **(CITATIONS: 02)**	Springer	2024	(ISSN: 0973-774X)	133	119	1.7

6	Predicting terrain erosion susceptibility from drainage basin morphometry using ALOS-PALSAR DEM: analysis from PCA-weighted AHP approach in a river system of Eastern India https://doi.org/10.1007/s10668-022-02450-z	Environment, Development and Sustainability **(CITATIONS: 16)**	Springer	2023	(ISSN 1387-585X)	25	50317-50332	4.5
7	Monitoring the temporal dimension of soil erosion in Mayurakshi Basin, India: A novel approach integrating RUSLE, Shannon's entropy and landscape ecological metrics https://doi.org/10.1007/s12040-022-02006-9	Journal of Earth System Science (JESS) **(CITATIONS: 09)**	Springer	2022	(ISSN: 0973-774X)	131	249	1.7

8	Integrating agricultural land suitability and farmers' perception on crop selection in a water- stressed region of eastern India https://doi.org/10.1016/j.agsy.2024.104171	Agricultural Systems **(CITATIONS: 07)**	Elsevier	2025	(ISSN: 1873-2267)	222	104171	6.1
9	GIS-based delineation of potential recharge zones of groundwater and its validation with actual recharge in the Nangasai River Basin of Eastern India https://doi.org/10.1007/s40899-024-01103-5	Sustainable Water Resources Management (SWAM)	Springer	2024	(ISSN: 2363-5045)	10	127	2.1
10	Modelling Soil Erosion Risk in the Kumari River Basin, India: A Revised Universal Soil Loss Equation (RUSLE)-Based Empirical Approach https://indiageomorph.org/uploads/pdf/JoIGv12(2024)_Jaman-et-al---Modelling-Soil-Erosion-Risk-in-the-Kumari-River-Basin.pdf	Indian Institute of Geomorpho logists (IGI)	Indian Institute of Geomorpho logists (IGI)	2024	(ISSN: 2320-0731)	-	-	-

11	Geospatial Approach to Assess the Erosion Susceptibility by Morphometry and RUSLE in the Mayurakshi Drainage Basin, Eastern India https://indiageomorph.org/journals/14	Journal of Indian Geomorphology	Indian Institute of Geomorphologists (IGI)	2026	(ISSN: 2320-0731)	-	-	-
12	Sedimentation and Shifting of Lower Mundeswari and Rupnarayan River, West Bengal, India https://doi.org/10.1007/978-3-030-79634-1_9	Geography of the Physical Environment pp.	Springer Chapter in Edited Book	2022	(ISBN 978-3-030-79634-1 (eBook))	-	193-211	-
13	Coping with Soil Erosion: Present Status and Deep Learning-Based Future Projections in the Mayurakshi Basin, India	Hill Geographer	Geographical Society of the North-Eastern Hill Region	2025	ISSN 0970-5023	216-240	XXXXI	-

- ** Impact Factor as per Thomson Reuters (Clarivariate Analytics) published in 2025*