

PUBLICATIONS  
(Journals)

1. **Bandita Barman**, Bimlesh Kumar, and Arup Kumar Sarma. Impact of sand mining on alluvial channel flow characteristics. *Ecological Engineering*, 135, 36-44, 2019. (Q1, IF 4.035)
2. **Bandita Barman**, Bimlesh Kumar, and Arup Kumar Sarma, Dynamic characterization of migration of a mining pit in an alluvial channel. *International Journal of Sediment Research*, 34, 155-165, 2019. (Q1, IF 2.902)
3. **Bandita Barman**, Bimlesh Kumar, and Arup Kumar Sarma, Turbulent flow structures and geomorphic characteristics of mining affected alluvial channel. *Earth Surface Processes and Landforms*, 43, 1811-1824, 2018. (Q1, IF 4.133)
4. **Bandita Barman**, Anurag Sharma, Bimlesh Kumar, and Arup Kumar Sarma, Multiscale characterization of migrating sand wave in mining induced alluvial channel. *Ecological Engineering*, 102, 199-206, 2017. (Q1, IF 4.035)
5. **Bandita Barman**, Arup Kumar Sarma, and Bimlesh Kumar, Mining Pit Migration of an Alluvial Channel: Experimental and Numerical Investigations. *ISH Journal of Hydraulic Engineering*, Online ISBN 978-3-319-55125-8, 2018. (Q2, IF 0.451)

BOOK CHAPTER

**Bandita Barman**, Bimlesh Kumar, and Arup Kumar Sarma. Experimental study on mining pit migration. Book Title: *Development of water resources in India*, Series Title: Water Science Technology Library Series, Springer, Vol. 84, Chapter 26, ISBN: 978-3-319-55124-1.

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1. Laxman V Rathod, **Bandita Barman**, Bimlesh Kumar. Estimation of Bed Material Load using Artificial Intelligence Techniques, EGU General Assembly 2021. (Online)
2. Koradia Ashishkumar K, **Bandita Barman**. MacCormack Finite-Difference Scheme for Simulation of Flood Hydrograph, International Conference (Online) on Water and Environment (ICWE- 2021) March 22-23, 2021 (Best paper award)
3. Jyotiprakash Tarei, **Bandita Barman**. Performance of Mac-Cormack finite difference scheme with TVD and Artificial Viscosity, Water Resources and Coastal Engineering (HYDRO), NIT Rourkela, 2020. (Online)
4. **Bandita Barman**, Bimlesh Kumar, Arup Kumar Sarma, Junqiang Xia. Turbulent flow characteristics in a mining pit: an experimental investigation. International Symposium on River Sedimentation, Chengdu, China, 16th -20th September, 2019.
5. Jyotirmoy Barman, Jyotismita Taye, **Bandita Barman**, and Bimlesh Kumar. Turbulent Characteristics of Sinuous River System. International Symposium on River Sedimentation, Chengdu, China, 16th -20th September, 2019.
6. **Bandita Barman**, Abhishek Dixit, Arnab Kumar Pal, Bimlesh Kumar and Arup Kumar Sarma. Characteristics of bed load in a mined alluvial channel. 22nd International Conference on Hydraulics, Water Resources and Coastal Engineering (HYDRO), L. D. College of Engineering, Ahmedabad, 21st -23rd December, 2017.
7. **Bandita Barman**, Shivam Singh, Shankar Dev Gour, Subhashish Chamua, Bimlesh Kumar and Arup Kumar Sarma. Review on adverse impact of river sand mining. 22nd International Conference on Hydraulics, Water Resources and Coastal Engineering (Hydro), L. D. College of Engineering, Ahmedabad, 21st -23rd December, 2017.

8. **Bandita Barman**, Bimlesh Kumar and Arup Kumar Sarma. Statistical analysis of bed feature of an alluvial channel at upstream and downstream of mining pit. 44th National Conference on Fluid Mechanics and Fluid Power, Amrita University, Amritapuri Campus, Kollam, Kerala, 14th -16th December, 2017.
9. **Bandita Barman**, Bimlesh Kumar, and Arup Kumar Sarma, What follows after sediment mining- a preliminary investigation. 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power, MNNIT Allahabad, ISBN 978-93-5267-408-4, 15th -17th December, 2016.
10. **Bandita Barman** and Arup Kumar Sarma. A study on river bed degradation due to mining of coarser top sediment layer. 6th International Conference on Computational Mechanics and Simulation, IIT Bombay, 27th June- 1st July 2016.