

Information Regarding Research & Publications

Number of publications:

Sl. No	Name of the faculty	International Journal	National Journal	Conference	Books	Books Chapter
1	Mrs. Sudipa Choudhury	14	00	International: 00 National: 00	00	02

Publication Details: Mrs. Sudipa Choudhury

2023

1. Kalyani Debnath, Piyali Debnath, **Sudipa Choudhury**, Apu Kumar Saha, Abhijit Majumdar, (2023). A framework of Trapezoidal Fuzzy Best-Worst Method in Location Selection for Surface Water Treatment Plant. *Pollution*, 9(3), 839-853. (SCOPUS)

2022

2. **Sudipa Choudhury**, Dipankar Chandra Bhowmik, Kalyani Debnath, Apu Kumar Saha, Harish Garg,(2022), Interval Type 2 Fuzzy Based AHP Approach: A Case Study. *International Journal of Fuzzy System Applications (IJFSA)*, 11(1), 1-16. (SCOPUS)
3. **Sudipa Choudhury**, Abhijit Majumdar, Apu Kumar Saha, Prasenjit Majumdar, (2022), Evaluating the preparedness of indian states against COVID-19 pandemic risk: A fuzzy multi-criteria decision-making approach. *Risk Analysis*, 42(1), 85-96. (SCI)

2021

4. S Choudhury, AK Saha, “Impact Analysis of Water, Energy, and Climatic Variables on Performance of Surface Water Treatment Plants”, in *Journal of Water and Energy Management in India: Artificial Neural Networks and Multi-Criteria Decision Making Approaches*, pages 199-219 (2022)

2020

5. S Choudhury, AK Saha, M Majumder, "Optimal location selection for installation of surface water treatment plant by Gini coefficient-based analytical hierarchy process", in **Journal of Environment, Development and Sustainability** **22**, 4073-4099 (2020)

2019

6. Sudipa Choudhury, Prasenjit Howladar, Mrinmoy Majumder, Apu Kumar Saha, Application of Novel MCDM for Location Selection of Surface Water Treatment Plant. IEEE Transactions on Engineering Management 2019. (Accepted). (SCIE).
7. Sudipa Choudhury, Apu Kumar Saha, Mrinmoy Majumder, "Optimal location selection for installation of surface water treatment plant by Gini coefficient-based analytical hierarchy process, Environment Development and Sustainability", 2019.(Published online). (SCIE).
8. Sudipa Choudhury, Apu Kumar Saha, "Location selection for Installation of Surface Water Treatment Plant by Applying a New Sinusoidal Analytical Hierarchy Process: Application of new MCDM in Location Detection", International Journal of Energy Optimization and Engineering (IJE OE), (2019), 8(3), 20-42. (ESCI).

2018

9. S Choudhury, M Majumder, AK Saha, "Identifying the Risk Factor of Water Treatment Plant: An MCDM Approach", in **International Journal of Control Theory & Applications**, Vol.10(1) (2018).
10. Sudipa Choudhury, Apu Kumar Saha, Mrinmoy Majumder, "Recognising the risk factors of water treatment plants using a hybrid mcdm method, Environmental Policy and Law", (2018), 48(1), 74-79. (ESCI) (SCOPUS).
11. Sudipa Choudhury, Apu Kumar Saha, "Prediction of operation efficiency of water treatment plant with the help of multi-criteria decision-making", Water Conservation Science and Engineering, (2018), 3(2), 79-90.

2017

12. S Sharma, S Choudhury, AK Saha, “Selection of Engineering Discipline in an Institute through Analytic Hierarchy Process”, in Journal of **Journal of Statistics and Mathematical Engineering**, Vol.3 (2017)
13. S Choudhury, M Majumder, AK Saha, “An Optimization Model Using the Standard Deviation Method and Multiple Decision Making Statistics in Water Treatment Plants in Northeastern India”, Asian **Journal of Water, Environment and Pollution**, (2017), 14(3), 27-37 (ESCI).
14. Sudipa Choudhury, Apu Kumar Saha, Mrinmoy Majumder, “A Novel Method For Performance Analysis Of Surface Water Treatment Plant: Mcdm Approach”, Journal of **Global Ecology and Environment**, (2017), 21-27.

Book Chapters:

2021

1. S. Choudhury, A. K. Saha, “Impact Analysis of Water, Energy, and Climatic Variables on Performance of Surface Water Treatment Plants: Water and Energy Management in India”, DOI: Springer, 2021. [DOI: 10.1007/978-3-030-66683-5_10](https://doi.org/10.1007/978-3-030-66683-5_10).