

Information Regarding Research & Publications

Number of publications:

Sl. No.	Name of the faculty	International Journal	National Journal	Conference	Books/Book Chapter
1.	Dr. Sayanta Chakraborty	12	00	International: 22 National: 05	Book Chapter: 03

Publication Details: Dr. Sayanta Chakraborty

International Journal

2024

1. S. Debbarma, S. Chakraborty and A.K. Saha, “Information Aggregation Based Group Decision Making under Fermatean Fuzzy Environment for Spent Lithium-ion Battery Recycling Techniques Evaluation”, **International Journal of Hydrogen Energy, Elsevier, SCIE. IF. 8.100.**
2. C. Tripura, S. Chakraborty and B. Bhattacharya, “Picture Fuzzy Aggregation Operator based Integrated MEREC-WASPAS Technique for Video Conferencing Tool Selection”, **Journal of Uncertain Systems, World Scientific, SCOPUS. 2024, Accepted.**
3. S. Debbarma, S. Chakraborty and A.K. Saha, “Health Care Waste Recycling Concerning Circular Economy- A Fermatean Fuzzy Aggregation Operator Based SWARA-MABAC Approach”, **Environment, Development and Sustainability. Springer. 2024. <https://doi.org/10.1007/s10668-023-04436-x>, SCIE. IF. 4.7.**

2023

1. A. Soni, S. Chakraborty, P.K. Das and A.K. Saha, “Material selection of sustainable composites by recycling of waste plastics and agro-industrial waste for structural applications: A fuzzy group decision-making approach”, *Journal of Building Engineering*. 106787. 2023. <https://doi.org/10.1016/j.jobbe.2023.106787>, **SCIE, IF. 6.7.**
2. S. Chakraborty and A.K. Saha, “Novel Fermatean Fuzzy Bonferroni Mean aggregation operators for selecting optimal health care waste treatment technology”, **Engineering Applications of Artificial Intelligence**, Volume 119, (2023), 105752, <https://doi.org/10.1016/j.engappai.2022.105752>, **Elsevier, SCIE. IF. 7.500.**

2022

1. S. Chakraborty and A.K. Saha, “Selection of Forklift Unit for Transport Handling Using Integrated MCDM under Neutrosophic Environment”, **FACTA UNIVERSITATIS, Series: Mechanical Engineering**, doi no. [10.22190/FUME220620039C](https://doi.org/10.22190/FUME220620039C). **SCIE. IF. 4.622.**
2. S. Chakraborty and A.K. Saha, “Selection of optimal lithium ion battery recycling process: A multi-criteria group decision making approach”, **Journal of Energy Storage**, Volume 55, Part B (2022), <https://doi.org/10.1016/j.est.2022.105557>. **Elsevier. SCIE. IF. 8.900.**
3. A. Soni, S. Chakraborty, P.K. Das and A.K. Saha, “Materials selection of reinforced sustainable composites by recycling waste plastics and agro-waste: an integrated multi-criteria decision making approach”, **Constr. Build. Mater.** 348 (2022), 128608,

<https://doi.org/10.1016/j.conbuildmat.2022.128608>. Elsevier. SCIE. IF. 7.400.

4. **S. Chakraborty** and A.K. Saha, “A framework of LR fuzzy AHP and fuzzy WASPAS for health care waste recycling technology”, **Appl. Soft Computing**, 127 (109388) (2022), <https://doi.org/10.1016/j.asoc.2022.109388>. Elsevier. SCIE. IF. 7.2.

2018

1. **S. Chakraborty** and D. Bhattacharya, “Solution of the general multi-objective De-Novo Programming Problem using compensatory operator under fuzzy environment”, (2018), **IOP: Journal of Physics**, 1039(1):012012, DOI: [10.1088/1742-6596/1039/1/012012](https://doi.org/10.1088/1742-6596/1039/1/012012). SCOPUS.

2013

1. **S. Chakraborty** and D. Bhattacharya, “Optimal System Design under Multi-Objective Decision making using De-Novo Concept: A New Approach”, (2013). **International Journal of Computer Applications**, 63(12):20-27. DOI: [10.5120/10519-5496](https://doi.org/10.5120/10519-5496)

2012

1. **S. Chakraborty** and D. Bhattacharya, “A New Approach of Solution of Multi-Stage and Multi-Objective Decision-Making Problem using De-Novo Programming”, (2012), **European Journal of Scientific Research**, ISSN 1450-216X Vol.79 No.3, pp.393-417. SCOPUS.