# Information Regarding Research & Publications

**Number of publications:**

| Sl. No. | Name of the faculty | International Journal | National Journal | Conference | Books | Books Chapter |
|---------|--------------------|-----------------------|------------------|------------|-------|---------------|
| 1 | Dr. Piyali Debnath | **15** | **01** | International: 00 National: 00 | 00 | 00 |

## Publication Details: Dr. Piyali Debnath

## <u>2023</u>

1. K. Debnath, P. Debnath, S. Choudhury, A. K. Saha and A. Majumdar, "A framework of Trapezoidal Fuzzy Best-Worst Method in Location Selection for Surface Water Treatment Plant", **Pollution,** 9 (2), 839-853. 10.22059/POLL.2023.349799.1656. **(Scopus).** (2023).

## <u>2022</u>

2. B. Das, P. Debnath and B. C. Tripathy, "Characterization of matrix transformation of complex uncertain sequences via expected value operator", **Carpathian Mathematical Publications,** 14 (2), 419–428. (2022) **(Scopus).**

3. B. Das, B. C. Tripathy and P. Debnath, "A New Type of Statistically Convergent Complex Uncertain Triple Sequence", **Thai Journal of Mathematics**, Volume 20 Number 3 (2022), 1441–1450. **(Scopus)**

4. B. Das, B. C. Tripathy and P. Debanth, "Some results on statistically convergent triple sequences in an uncertainty space", **Annals of the University of Craiova, Mathematics and Computer Science Series**, 49(1), 2022, Pages 120-134. **(Scopus)**

5. B. Das, P. Debanth and B. C. Tripathy, "On statistically convergent complex uncertain sequences", **Carpathian Mathematical Publications**, 14 (1), 135–146. **(Scopus)**

## 2021

6. B. Das, P. Debnath and B. C. Tripathy, "Characterization of Matrix Classes Transforming Between Almost Sure Convergent Sequences of Complex Uncertain Variables", **Journal of Uncertain Systems**, VOL. 14, NO. 03., (2021), 1 – 12, 10.1142/S1752890921500197. **(Scopus).**

7. B. Das, B. C. Tripathy and P. Debanth, "Results on Matrix Transformation of Complex Uncertain Sequences Via Convergence in Almost Surely", **Methods of Functional Analysis and Topology**, 27 (2021), no. 4, pp. 320–327. **(Scopus).**

8. B. Das, B. C. Tripathy, P. Debanth and B. Bhattacharya, "Statistical convergence of complex uncertain triple sequence", **Communications in Statistics-Theory andMethods**, 10.1080/03610926.2020.1871016. **(SCIE)**

9. P. Debnath and B. C. Tripathy, "On a New Class of Complex Uncertain Sequences Related to the Space", **New Mathematics and Natural Computation**.

   10.1142/S1793005721500058. **(Scopus)**

10. J. Nath, B. Das, B. C. Tripathy, P. Debanth and B. Bhattacharya, "Strongly almost convergence in sequences of complex uncertain variables", **Communications in Statistics-Theory and Methods,** 10.1080/03610926.2021.1921802. **(SCIE)**

11. B. Das, B. C. Tripathy, P. Debanth and B. Bhattacharya, "Almost Convergence of Complex Uncertain Double Sequences", **Filomat**, 10.2298/FIL2101061D. **(SCI)**

## 2020

12. P. Debnath and B. C. Tripathy, "Separation axioms on soft bitopological spaces", Songklanakarin Journal of Science and Technology, 42 (4), 830-835, 2020.

13. P. Debnath and B. C. Tripathy, On a New Class of Complex Uncertain Sequences Related to the $\square_\square(\Gamma)$ Space, New Mathematics and Natural Computation, 10.1142/S1793005721500058.

## 2016

14. S. B.Halder, P.Debnath, "A study on IF soft* lower rough approximation and IF soft* upper rough approximation", Annals of Fuzzy Mathematics and Informatics, 11 (3), 475-483, 2016.

## 2015

15. S. B. Halder, P. Debnath, "On IF Soft Oscillating Relation", The Journal of Fuzzy Mathematics 23 (4), 757-766, 2015.

16. S. B. Halder, P. Debnath, "On interval valued IF soft rough approximation space and its properties", Bulletin of Kerala Mathematics Association, 12 (2), 145-160, 2015.