Dr. SHYAMAL DALAPATI

(**ORCID ID:** *https://orcid.org/0000-0003-1713-7516*)

General Information:

Department: Mathematics

Designation: Assistant Professor

Qualification:

1. PG DIPLOMA (Investment Portfolio Management service) (2020), University of Calcutta.

2. Ph. D. (Science) (2019), IIEST, Shibpur

3. B. Ed (2014), Kurukshetra University

4. M. Sc. (Applied Maths) (2013), Jadavpur University

5. B. Sc. (Mathematics Hons.) (2011), Jadavpur University

SCHOLARSHIPS AND AWARDS

1. NET With JRF (CSIR-JRF NET-JUNE. 2017).

2. NET With LS (CSIR-JRF NET-December- 2016).

3. GATE qualified (2015)

Email: dalapatishyamal30@gmail.com

Teaching Experience:

Dum Dum Motijheel Rabindra Mahavidyalaya, West Bengal State University (22/12/2023- till date)

Research Interest:

- Fuzzy, Intuitionistic fuzzy, and Neutrosophic Set Theory,
- Multiple Criteria Decision Making
- Operation research.

Publication:

International Journals:

1. Garai, T., **Dalapati, S**. and Smarandache, F., Softmax Function Based Neutrosophic Aggregation Operators and Application in Multi-Attribute Decision Making Problem. Neutrosophic Sets and Systems, vol. 56, 2023, pp. 213-244. **DOI:** 10.5281/zenodo.8194797

2. Garai, T., **Dalapati, S.,** Garg, H., & Roy, T. K. (2020). Possibility mean, variance and standard deviation of single-valued neutrosophic numbers and its applications to multi-attribute decision-making problems. Soft Computing, 24 (24), 18795-18809. **EISSN-1433-7479, Print ISSN -1432-7643.** Impact factor: 3.050 (2019).

3. **Shyamal Dalapati**, Surapati Pramanik: A Revisit to NC-VIKOR Based MAGDM Strategy in Neutrosophic Cubic Set Environment, Neutrosophic Sets and Systems, vol. 21, 2018, pp. 131-141. https://doi.org/10.5281/zenodo.1408665.

4. **Shyamal Dalapati**, Surapati Pramanik, Shariful Alam, Florentin Smarandache, Tapan Kumar Roy: IN-cross Entropy Based MAGDM Strategy under Interval Neutrosophic Set Environment, Neutrosophic Sets and Systems, vol. 18, 2017, pp. 43-57. http://doi.org/10.5281/zenodo.1175162.

5. Surapati Pramanik, **Shyamal Dalapati**, Shariful Alam, Tapan Kumar Roy: NC-VIKOR Based MAGDM Strategy under Neutrosophic Cubic Set Environment, Neutrosophic Sets and Systems, vol. 20, 2018, pp. 95-108. http://doi.org/10.5281/zenodo.1235367

6. Surapati Pramanik, **Shyamal Dalapati,** Shariful Alam, Tapan Kumar Roy: VIKOR Based MAGDM strategy under Bipolar Neutrosophic Set Environment, Neutrosophic Sets and Systems, vol. 19, 2018, pp. 57-69. http://doi.org/10.5281/zenodo.1235341.

7. Surapati Pramanik, **Shyamal Dalapati**, Shariful Alam, Tapan Kumar Roy, F. Smarandache: Neutrosophic Cubic MCGDM Method Based on Similarity Measure, Neutrosophic Sets and Systems, Vol. 16 (2017), pp. 44-56. doi.org/10.5281/zenodo.831934

8. Surapati Pramanik , **Shyamal Dalapati**, Shariful Alam, Florentin Smarandache and Tapan Kumar Roy, NS-Cross Entropy-Based MAGDM under Single-Valued Neutrosophic Set Environment. Information, 2018, *9*(2), 37; https://doi.org/10.3390/info9020037 .

9. Surapati Pramanik , **Shyamal Dalapati**, Shariful Alam, Florentin Smarandache and Tapan Kumar Roy, NC-Cross Entropy Based MADM Strategy in Neutrosophic Cubic Set Environment , *Mathematics* **2018**, *6*(5), 67; https://doi.org/10.3390/math6050067

10. Surapati Pramanik , **Shyamal Dalapati**, Shariful Alam, and Tapan Kumar Roy,NC-TODIM-Based MAGDM under a Neutrosophic Cubic Set Environment, *Information* **2017**, *8*(4), 149; https://doi.org/10.3390/info8040149.

11. **Pramanik S, Dalapati S, Alam S and Roy TK.** Some Operations and Properties of Neutrosophic Cubic Soft Set. Glob J Res Rev. 2017, 4:2.

Chapter in Books:

1. Surapati Pramanik, **Shyamal Dalapati**, Tapan Kumar Roy, Neutrosophic Multi-Attribute Group Decision Making Strategy for Logistics Center Location Selection. Neutrosophic Operational Research, Volume III, F. Smarandache, M. Abdel-Basset, V. Chang, (eds), 13-32. Pons asbl Brussells, Belgium **(2018)**.

2. Surapati Pramanik, **Shyamal Dalapati**, Tapan Kumar Roy, Logistics Center Location Selection Approach Based on Neutrosophic Multi-Criteria Decision Making. *New Trends in Neutrosophic Theory and Applications*, F. Smarandache, S. Pramanik,(eds), 161-173. Pons asbl Brussells, Belgium **(2016)**.

3. Surapati Pramanik , **Shyamal Dalapati**, Shariful Alam, and Tapan Kumar Roy, TODIM Method for Group Decision Making under Bipolar Neutrosophic Set Environment, *New Trends in Neutrosophic Theory and Applications-II*, F. Smarandache, S. Pramanik, (eds), 124-139. Pons asbl Brussells, Belgium **(2018)**.

National / International Seminar:

1. "**GRA based multi criteria decision making in generalized neutrosophic soft set environment**" in the National Seminar on Analysis and Application organized by Department of Mathematics, **West Bengal State University**, Barasat on 10th /11th March, 2016. (Presented)

2. "**Logistics center location selection approach based on neutrosophic multi-criteria decision making**" in 1st Regional Science and Technology Congress-2016, Presidency Division on 13th & 14th November, 2016 at **National Institute of Technical teachers' Training and Research, Kolkat**a. (Presented)

3. "**Logistics center location selection approach based on neutrosophic multi-criteria decision making**" in the 24th West Bengal State Science and Technology Congress, 2017 on 28th February 2017 at Science City, Kolkata. (Presented)

4. "**A novel similarity measure of complex Pythagorean fuzzy sets and its application to decision making problem**" in International Conference on Mathematical Analysis and Applications (ICOMAA - 2022), organized by the Department of Mathematics, University of Kalyani, INDIA, during June 28-29, 2022 in Virtual Mode. (Presented)

5. State level seminar On "**Inclusive Education- A new challenge**" at Sammilani Teachers' Training College', Barakhola, Krishakpally, Mukundapur, Kolkata-99 on 13th and 14th January-2023. (Participated)

Workshop participation

1. Participated in "**Author Workshop**" conducted by **Elsevier** in association with **Department of Science & Technology** government of West Bengal at the sonnet, Kolkata on 2nd/3rd December, 2016. (Participated)

2. Participated in national workshop on "**Recent Advances in Modelling & Computational Techniques in applied mathematics**" organized by Department of Mathematics, **Indian Institute of Engineering Science and Technology**, Shibpur on 20th November to 24th November, 2017. (Participated)

Outstanding paper award in Seminar/Conference

1. **Outstanding paper award** for the paper entitled "Logistics center location selection approach based on neutrosophic multi-criteria decision making" presented at **National Institute of Technical teachers' Training and Research, Kolkata on November 13-14, 2016.**

MEMBERSHIP:

1. Neutrosophic Science International Association, USA-Honorary Member

REVIEWER:

1. Neutrosophic Sets and Systems.

Administrative Responsibilities:

1. Institute Nodal Officer for National Scholarship Portal (2023-2024)