

Dr. Kanika Mandal

Assistant Professor
Department of Mathematics,
Sri Ramkrishna Sarada Vidya Mahapitha,
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**Current Position**

Assistant Professor in Mathematics at Sri Ramkrishna Sarada Vidya Mahapitha (A Govt. approved general degree college affiliated to The University of Burdwan), Hooghly, West Bengal (December 8, 2023 to till date).

Previous Position

Assistant Professor in Mathematics at Nalanda Mahila College, Nalanda, a Govt general degree college under Patliputra University, Patna from 28 th November 2017 to 5th December 2023.

Academic information

- Ph.D (2018) in Mathematics (Operations Research) from National Institute of Technology, Durgapur, India.
- M.Sc. (2011) in Mathematics with specialization in Functional Analysis and Complex Analysis, Department of Mathematics, Visva Bharati University, India.
- B.Sc. (2009) in Mathematics (Hons.), Department of Mathematics, Visva Bharati University, India. .
- Qualified NET in 2012, JRF in 2013.
- Qualified GATE in 2012.

Skills and Expertise

Network Problems, Decision Analysis, Measurement, Multicriteria Analysis, Optimization , Fuzzy Mathematics.

Employee Id- Orcid ID: 0000-0003-4208-0283, Scopus ID: 56624053500, Google Scholar ID: WkX1LwMAAAAJ

List of Publications

1. Mandal, K., Basu, K., 2015. Simpler solution to group decision making problems based on interval valued hesitant fuzzy set and a new approach to find critical path using hesitant fuzzy, International Journal of Pure and Applied Mathematics 101(4), 445-461.
2. Mandal, K., Basu, K., 2015. Hypercomplex neutrosophic similarity measure & its application in multicriteria decision making problem, Neutrosophic Sets and Systems 09, 6-12.
3. Mandal, K., Basu, K., 2016. Improved similarity measure in neutrosophic environment and its application in finding minimum spanning tree, Journal of Intelligent & Fuzzy Systems 31, 1721–1730.
4. Mandal, K., Basu, K., 2016. A New Approach in Crashing and Introduction of P Factor, International Journal of Pure and Applied Mathematics 110(3), 413-426.
5. Mandal, K., Basu, K., Multiple criteria decision making method in neutrosophic environment using a new aggregation operator, score function and certainty Function, New Trends in Neutrosophic Theories and Applications, Pons Editions, Brussels, EU, ISBN 978-1-59973-498-9, November 2016.

6. Mandal, K., Basu, K., 2017. Node analysis of a network – new approach to find maximum flow, *International Journal of Mathematical Sciences*, 16(4), 355-369.
7. Mandal, K., & Basu, K., (2019). Vector aggregation operator and score function to solve multi criteria decision making problem in neutrosophic environment, *International Journal of Machine Learning & Cybernatics*, 10(6), 1373-1383.<https://doi.org/10.1007/s13042-018-0819-4>.
8. Mandal, K., 2020. On Deneutrosophication, *Neutrosophic Sets and Systems*, 38, 409-422.
9. Mandal, K., 2020. On Neutrosophic Mapping, *Neutrosophic Sets and Systems*, 38, 111-118.