

Name: Dr. Rakhal Das

Designation: Assistant Professor

Branch: Mathematics



Educational Qualification(s):

Qualification(s)(Bachelors Degree onwards)	University
B.Sc (Mathematics)	Iswar Chandra Vidyasagar College, Tripura
M.Sc (Mathematics)	Tripura University
Ph.D	Tripura University
CSIR NET JRF Qualified	
North East SLET Qualified	

Experience in years:

Academic: Nil

Industrial: Nil

Other Information:

Publication details:

1. B. Shil, R. Das, C. Granados, S. Das & B.D. Chowdhury (2022) Hyperbolic Cosine Similarity Measure Based MADM-Strategy under the SVNS Environment, *Neutrosophic Sets and Systems*, 50, 409-419 Indexed by Scopus.
2. R. Das (2022) Generalized multiset and multiset ideal continuous function, *Applied Sciences* (APPS), 24. 98-107. Indexed by Scopus
3. R. Das (2022) Spatial Fuzzy Topological Space, *Proyecciones Journal of Mathematics*, 41, (4), 999-1013. Indexed by Scopus.
4. S. Das, R. Das & B.C. Tripathy (2022) "Topology on Rough pentapartitioned Neutrosophic set, *Iraqi Journal of Science*" 63(6) 2630–2640 DOI: <https://doi.org/10.24996/ijss>. Indexed by Scopus
5. R., Das, A.M., Mukherjee & B.C., Tripathy (2022). Application of Neutrosophic Similarity Measures in Covid-19, *Annals of data science*, 9(1), 55-70. Indexed by Scopus
6. R., Das & B.C., Tripathy (2022) Separation Axioms on Spatial Topological Space and Spatial Data Analysis, *Analysis of datta science*, <https://doi.org/10.1007/s40745-022-00393-w>. Indexed by Scopus
7. S., Das, R., Das & B.C. Tripathy (2022) "Neutrosophic pre-I-open set in neutrosophic ideal bitopological space" *Soft Computing*, 1-8,. Indexed by Scopus

8. S., Das, R., Das & S., Pramanik "Neuro Algebra and Neuro Group" Theory and Applications of Neuro Algebras as Generalizations of Classical, 2022. Indexed by Scopus
9. S., Das & R., Das (2022) "Neutrosophic Separation Axioms" *Neutrosophic Sets and Systems* 49 (1), 7, 2022. Indexed by Scopus
10. S. Das, R Das & S., Pramanik (2022) "Single Valued Bipolar Pentapartitioned Neutrosophic Set and Its Application in MADM Strategy" *Neutrosophic Sets and Systems*, 49 (1), 9, Indexed by Scopus
11. S., Das, B., Shil, R., Das, HE Khaled & A.A., Salama (2022) "Pentapartitioned Neutrosophic Probability Distributions" *Neutrosophic Sets and Systems*, 49 (1), 3. Indexed by Scopus
12. S., Das, R., Das & S., Pramanik, (2021) "Topology on Ultra Neutrosophic Set" *Neutrosophic Sets and Systems* 47, 93-104. Indexed by Scopus
13. S., Das, R., Das, C., Granados & A., Mukherjee (2021) Pentapartitioned Neutrosophic Q-Ideals of Q-Algebra, *Neutrosophic Sets and Systems*, 41(2), 52-63. DOI:10.5281/zenodo.4625678. Indexed by Scopus
14. P. Majumder, S. Das, R. Das & B.C. Tripathy. (2021). Identification of the Most Significant Risk Factor of COVID-19 in Economy Using Cosine Similarity Measure under SVPNSE Environment, *Neutrosophic Sets and Systems*, 46, 112-127. DOI: 10.5281/zenodo.5553497. Indexed by Scopus
15. R. Das, F. Smarandache, & B.C. Tripathy (2020). Neutrosophic Fuzzy Matrices and Some Algebraic Operations. *Neutrosophic Sets and Systems*, 32, 401-409. Indexed by Scopus
16. R., Das & B.C., Tripathy (2020). Neutrosophic Multiset Topological Space. *Neutrosophic Sets and Systems*, 35, 142-152. Indexed by Scopus
17. S. Das, R. Das & B.C. Tripathy (2020) "Multi-Criteria Group Decision Making Model Using Single-Valued Neutrosophic Set" *LogForum*, (3), 421-429, doi: <http://doi.org/10.17270/J.LOG.2020.446>. Indexed by Scopus
18. A., Mukherjee, & R., Das (2020). Neutrosophic Bipolar Vague Soft Set and Its Application to Decision Making Problems. *Neutrosophic Sets and Systems*, 32, 410-424. Indexed by Scopus

Details of Seminar/Workshop/Conference:

1. National Webinar on Indian Agriculture and Repeal of Three Farm Laws: Re-imaging the Way Forward, 15th February, 2022
2. International e-Conference on Rough Sets, Fuzzy Sets and their Applications, January 24 – 25, 2021
3. Participated in the International Webinar Titled “5th International Conference of Mathematical Sciences (ICMS 2021)” held during June 23-27, 2021, organized by Maltepe University, İstanbul Turkey. Presented a paper titled “Multiset Mixed Topological Space”.

4. International e-Conference on Rough Sets, Fuzzy Sets and their Applications, November 10 – 13, 2021
5. Workshop on Intellectual Property Rights (IPR) Organized By Tripura University. Depart of Science And Technology, 17/01/2020
6. International Conference In MBB University (IWCARSHSS 2020) July 8-10, 2020
7. Participated In The Online Conference Titled Virtual Math Fest 2020 July 20-26, 2020
8. State level web conference in west Bengal (Krishnagar Gov. College) 5th August 2020
9. American chemical society (web conference(Attended the full agenda of ACS on Campus India Virtual Event on August 10, 2020) 10th August 2020
10. Geometry of continued fractions, Ramanujan and his successors, 4-15thSeptember 2020
11. Distributed Algorithm for Optimal Dispersion on Ring in Presence of Byzantine Faults” organized by Department of Mathematics, ICFAI Science School, ICFAI University, Tripura, dated 7th October 2020
12. PanditMadan Mohan Malaviya National Mission Teachers And Teaching Scheme(Organising Committee Member) 30 Day Program 04/09/2018-03/10/2019
13. International Conference On Recent Advances In Mathematics And Its Application July 16-18, 2019
14. PanditMadan Mohan Malaviya National Mission Teachers And Teaching Scheme (Organising Committee Member) 21 Days Refresher Course 08/01/2019
15. All Tripura Youth Training Camp (Organized By Ramakrishna Mission, Agartala) April, 26-28, 2019
16. PanditMadan Mohan Malaviya National Mission Teachers and Teaching Scheme (Organising Committee Member) 15 Days Refresher Course 01/03/2019
17. National Conference on Vedic Mathematics Including Indian Ancient Mathematics (Up To 1200ad) December 28-29, 2019
18. Recent Advance on Water and Environment (5days Workshop In NITA) November 20-24, 2018
19. Optimization In Engineering (5 Days Workshop In Nita) March 12-16, 2018
20. National Seminar On Rough Sets, Fuzzy Sets and Their Applications (Department of Mathematics Tripura University) 6th May, 2016
21. North East Summer Workshop In Analysis And Probability June 27-30, 2015

Professional membership of reputed bodies if any:

Member of Tripura Mathematical Society.

Google Scholar Link:

https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=D9MnatwAAA

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Scopus Author Details Link:

<https://www.scopus.com/authid/detail.uri?authorId=57217359552>

Research Gate Link: <https://www.researchgate.net/profile/Rakhal-Das-2>