Personal Profile

Dr. Bishnupada Debnath.
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Rajiv Gandhi University, Doimukh (791112),
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Village: North Brajapur, **P.O:** Brajapur ; **P.S.:** Bishalgarh,
District: Sepahijala (799102), Tripura, India.

EDUCATIONAL PROFILE:

SL. No.	Examination	University	Year of Passing
1.	Ph.D.	Tripura University, Suryamaninagar (PIN-799022), Agartala, Tripura, India.	2013
2.	M.Sc.	Tripura University, Suryamaninagar (PIN-799022), Agartala, Tripura, India.	2007
3.	B.Sc.(Hons.)	Tripura University, Suryamaninagar (PIN-799022), Agartala, Tripura, India.	2003

Details of Ph.D. :

➢ **Institute:** Tripura University, Suryamaninagar (PIN-799022), Agartala, Tripura, India, **2013**.

➢ **Title of the Thesis:** "Study of Some Structure in Fuzzy Bitopological Spaces with the help of Fuzzy δ-open sets and their Applications".

➢ **Supervisor:** Prof. Anjan Mukherjee, Department of Mathematics, Tripura University, Suryamaninagar (799022), Agartala, Tripura, India.

AWARDS AND HONOURS: Qualified UGC-CSIR NET (2011).

Research Fellowship: Tripura Central University, Agartala, Tripura, India, (1st June, 2008 to 25th August 2010).

Professional Experiences:

(1) Assistant Professor, Department Of Mathematics, Rajiv Gandhi University, Doimukh, Itanagar,PIN-791112, Arunachal Pradesh, India. w.e.f 13/06/2023 to till date.

(2) 07/12/2022 to 12/06/2023 as Graduate teacher under the Department of elementary Education, Govt. of Tripura,India w.e.f. 07/12/2022 to 12/06/2023

(3) Lecturer, Department of Mathematics, Ramthakur College, Agartala, Tripura, India, w.e.f 07/12/2020 to 06/12/2022

(4) Lecturer, Department of Business Statistics, Holly Cross College, Agartala, Tripura, India, w.e.f. 01/04/2020 to 31/10/2020.

(5) Post Graduate Teacher in Mathematical Sciences, Department of Secondary Education, Govt. of Tripura, India, w.e.f. 26/10/2010 to 31/03/2020

MEMBERSHIP OF PROFESSIONAL BODIES:

➢ Life member of Tripura Mathematical Society, Agartala, Tripura since 2008 to till the date.

Reviewer of Journals :

➢ Mathematics and Informatics - Facta Universitatis, University of Nis, Serbia

TEACHING INTERESTS:

➢ Abstract Algebra

➢ Real Analysis

➢ Functional Analysis

➢ Topology

➢ Fuzzy Set Theory and its Application

RESEARCH INTERESTS:

➢ General Topology and Geometry

- Fuzzy sets, Soft sets, Neutrosophic sets and Multi Neutrosophic sets
- Topology (Fuzzy, Soft, Neutrosophic and Multi Neutrosophic)
- Bitopology (Fuzzy, Soft and Soft multi)

PUBLICATIONS IN JOURNAL:

1. **Bishnupada Debnath,** On Soft Multi Bitopological Space, *International Journal of Management, Technology and Engineering, 8(12) , 4010-4021, 2018*

2. **Bishnupada Debnath**, *Generalized Closed set in Bi-Supra Topological spaces, The Journal Tripura Mathematical Society, 19 , 12-20, 2017*

3. **Bishnupada Debnath,** *Introduction To Maximal Soft e-open (Minimal Soft e-closed)Sets in Soft Topological Spaces, International Journal of Electronics, Electrical and Computational Systems, 6(10) , 212-218, 2017*

4. **Bishnupada Debnath,** *On Soft Almost Para-compactness in Soft Topological Space, International Journal of Science Research in Science and Technology, 3(7) , 555-561, 2017*

5. **Bishnupada Debnath,** *Decomposition of $\theta\delta$-open(resp. $\theta\delta$-Closed) set in Topological Spaces, International Journal of computer & Mathematical Sciences, 6(9) , 341-346, 2017*

6. **Bishnupada Debnath,** *Some properties of extremal e-open and e-closed sets in Topological spaces, International Journal for Research in Applied Science and Engineering Technology, 5(IX), 1784-1788, 2017*

7. **Bishnupada Debnath,** *On Maximal Soft δ-Open(Minimal soft δ-closed) Sets in Soft Topological space, International Journal of Computer Applications, 168(5) , 8-13,2017*

8. **Bishnupada Debnath,** *On Maximal soft δ-semi open (Minimal soft δ-semi-closed) sets in Soft Topological Spaces, International Journal of computer & Mathematical Sciences, 6(8) , 206-213, 2017*

9. **Bishnupada Debnath,** *New Notion of $\delta\theta$-open sets in Topological Spaces, International Journal of Computer Applications, 177(3) , 33-36, 2017 ,*

10. **Bishnupada Debnath,** *A Note on Soft Nearly Compact and Soft nearly Paracompactness in Soft Topological Spaces, International Journal Innovative Research in Science, Engineering and Technology, 6(8) , 15906-1591,2017 ,*

11. **Bishnupada Debnath,** *On New Note on Maximal e-open and e-semi-Maximal open sets in Topological Space, International Journal of Mathematics Trends and Technology, 49(5) , 307-310, 2017*

12. **Anjan Mukherjee and Bishnupada Debnath**, *On Soft e-Open set and Soft e-Continuity in Soft Topological Spaces, Journal of New Theory, 15 , 1-18, 2017*

13. **Bishnupada Debnath,** *Pairwise fuzzy faintly Semi para-compactness in Fuzzy Bitopological spaces, International Journal of computer and Mathematical Sciences, 6(9) , 106-111, 2017*

14. **Bishnupada Debnath,** *New Properties of Optimal $\delta\theta$-Open and $\delta\theta$-Closed Sets in Topological Spaces, International Journal of Engineering Technology Science and Research, 4(10) , 184-190, 2017*

15. **Bishnupada Debnath,** *On Soft β_1-Paracompactness in Soft Topological Spaces, International Journal of Future Revolution in Computer Science and Communication Engineering, 3(10) , 30-35, 2017.*

16. **Bishnupada Debnath,** *More on Minimal δ-Open (Maximal δ-closed) and δ-semi-Minimal Open (δ-semi maximal Closed)Sets in Topological spaces, International Journal of Mathematics Trends and Technology, 51(1) , 82-85, 2017*

17. **Bishnupada Debnath,** (τ_i,τ_j)-Fuzzy Maximal δ-open [$(\tau i,\tau j)$- fuzzy minimal δ-closed] Sets and (τ_i,τ_j)-Fuzzy Maximal δ-semi open [$(\tau i,\tau j)$- fuzzy minimal δ-semi closed] Sets in Fuzzy Bitopological Spaces, International Journal of Fuzzy Mathematics and Systems, 7(1), 2017, 37-48.

18. **Anjan Mukherjee and Bishnupada Debnath,** *On fuzzy pairwise θ-pre-continuity and it's connection with fuzzy pairwise δ-pre-continuity in fuzzy bitopological spaces, The Journal of Fuzzy Mathematics, Los Angeles, 21(4),773-784, 2013*

19. **Anjan Mukherjee and Bishnupada Debnath,** *On fuzzy Maximal δ-semi open and fuzzy minimal δ-semi closed sets, The Journal of Fuzzy Mathematics, Los Angeles, 19(1) , 179-194, 2011*

20. **Anjan Mukherjee and Bishnupada Debnath,** *Fuzzy pairwise δ-almost continuous function in fuzzy bitopological spaces, Journal of the Tripura Mathematical Society, 13 , 203-208, 2011*

21. **Anjan Mukherjee and Bishnupada Debnath,** *On Fuzzy Maximal δ-open sets and Fuzzy Minimal δ-closed sets and their Applications, Acta Ciencia Indica., XXXVM (3) , 899-905, 2009*

PUBLICATIONS IN PROCEEDINGS:

1. **Bishnupada Debnath & Anjan Mukherjee**, Characterizations of ijfuzzy pre-paracompact space in Fuzzy Bitopological Spaces, Proc. 2nd Int. Conference on Rough sets, Fuzzy sets and Soft Computing, January 17-19,(**2013**), Page no. 153-162, ISBN 978-81- 84 87- 40 3-7.

2. **Bishnupada Debnath & Anjan Mukherjee**, Pairwise Semi Paracompactness in Fuzzy Bitopological Spaces, Proc. Int. Conference on Rough sets, Fuzzy sets and Soft Computing, Nov. 5- 7,(**2009**), Page no. 384-391, ISBN9 78-81- 83 87- 41 7-5.

3. **Bishnupada Debnath & Anjan Mukherjee**, Some More Result on fuzzy maximal (resp. Minimal) δ-open (resp. δ-closed) sets and their Applications, Proc. of the National Seminar on Recent Development in Mathematics and It's Applications, Nov. 14-15(**2008**), p.155-160.

PUBLICATIONS IN BOOKS: NIL.

CONFERENCE / SEMINAR/WORKSHOP PRESENTED RESEARCH PAPERS:

1. *Title: Characterizations of bδ-semi-irresolute functions in Topological Spaces, International Conference on Advancement of Mathematical Sciences and Computer Vision (ICAMSCV-2023) 09-11, December, 2023,organized by Calcutta Mathematical Society, Kolkata, India.*

2. *Title: On Soft Multi Bitopological Space, International Conference on Research Trends in Engineering, Applied Science and Management(ICRTESM-2018) organized by Conference Info in*

association with Academic Science at Osmania University Centre for International Programmes, Osmania University Campus, Hyderabad, Telangana, India on **16th December 2018**.

3. **Title:** *Introduction To Maximal Soft e-open (Minimal Soft e-closed)Sets in Soft Topological Spaces,* 2nd International conference on Science, Technology and Management (ICSTM -2017) organized by Academic Science at the Institution of Electronics and Telecommunication Engineers, Osmania University campus, Hyderabad, India on **15th October 2017**.

4. **Title:** *New Properties of Optimal $\delta\theta$-Open and $\delta\theta$-Closed Sets in Topological Spaces,* 4th International conference on Advancement in Engineering, Applied Science and Management (ICAEASM 2017) organized by Academic Science at Centre for Development of Advanced Computing, Juhu, Mumbai, Maharashtra, India on **8th October 2017**.

5. **Title:** *Decomposition of $\theta\delta$-open(resp. $\theta\delta$-Closed) set in Topological Spaces,* International conference on Science, Technology and Management (ICSTM-2017) organized by Academic Science at Institution of Electronics and Telecommunication Engineers, 1st Cross Road, Bellary Road, Ganganagar, Bengaluru, Karnataka, India on **24th September 2017**.

6. **Title:** *Pairwise fuzzy faintly Semi para-compactness in Fuzzy Bitopological spaces*, 4th International conference on New Frontiers of Engineering, Science, Management and Humanities(ICNFESMH-2017) Organised by Academic Science at the Institution of Electronics and Telecommunication Engineers, Osmania University campus, Hyderabad, India on **3rd September 2017.**

7. **Title:** *On Maximal soft δ-semi open (Minimal soft δ-semi-closed) sets in Soft Topological Spaces,* 3rd International conference on Advancement in Engineering, Applied Science and Management(ICAEASM-2017) organised by Academic Science at Centre for Development of Advanced Computing, Juhu, Mumbai, Maharashtra, India on **20th August 2017**.

8. **Title:** *Study of Some Properties of Soft e-Open set and Soft e-Continuity in Soft Topological Spaces,* "National Seminar on Rough sets, Fuzzy Sets and Their Applications", (RSFSTA-2016) **6th May, 2016,** organized by the Department of Mathematics, Tripura University In Association with Fuzzy and Rough Sets Association, Tripura, India.

9. **Title:** *Characterizations of ij-fuzzy pre-paracompact space in Fuzzy Bitopological Spaces,* "2nd International Conference on Rough sets, Fuzzy Sets and Soft Computing," (ICRFSC'12), **January 17-19, 2013,** organized by Department of Mathematics, Tripura University in Collaboration with Fuzzy and Rough Sets Association (FRSA),Tripura, India.

10. **Title:** *Generalized Closed set in Bi-Supra Topological spaces,* "2nd National Conference on Mathematical Analysis and it's Applications," (NCMAA 12), **April 5-6, 2012,** organized by Department of Mathematics, Tripura University, Tripura-799022, India.

11. **Title:** *On fuzzy pairwise θ-pre-continuity and it's connection with fuzzy pairwise δ-pre-continuity in fuzzy bitopological spaces,* "National Seminar on Rough Set, Fuzzy Set and Soft Computing (NSRFSC 11)," **November 11-12, 2011,** organized by Department of Mathematics, Tripura University, Suryamaninagar, Tripura, India in Collaboration with Fuzzy and Rough Set Association.

12. **Title:** *A note on pre paracompactness on fuzzy Bitopological Spaces* "National Seminar on Mathematical Analysis and it's Applications," (NSMAA 11), **September-10, 2011,** organized by Department of Mathematics, Tripura University, Tripura, India.

13. **Title:** *Fuzzy Pairwise δ-almost continuous function in Fuzzy Bitopological Spaces,* "National Conference on Mathematical Analysis and it's Applications," **January 5-6, 2011,** organized by Department of Mathematics, Tripura University, Tripura, India.

14. **Title:** *(i,j)-Fuzzy maximal δ-open sets and (i,j)-Fuzzy minimal δ-closed sets in Fuzzy Bitopological spaces,* "Seminar on Rough sets, Fuzzy Sets and Their Applications", **April-7, 2010,** organized by

Department of Mathematics, Tripura University, Tripura, India, sponsored by Fuzzy Sets and Rough Sets Association.

15. **Title:** *Pairwise semi paracompactness in Fuzzy Bitopological Spaces, "International Conference on Rough sets, Fuzzy Sets and Soft Computing,"* **November 5-7, 2009,** *organized by Department of Mathematics, Tripura University, Tripura, India in Collaboration with IRSS & ISFUMIP.*

16. **Title:** *On fuzzy δ-semi maximal open and fuzzy δ-semi minimal closed sets and their applications, "National Seminar on Emerging Areas in Mathematics and Applications,"* **February 18-20, 2009,** *organized by Department of Mathematics, The University of Burdwan, West Bengal, India.*

17. **Title:** *On Fuzzy Maximal δ-open sets and Fuzzy Minimal δ-closed sets and their Applications, "National Seminar on Recent Development in Mathematics and it is Applications,"* **November 14-15, 2008,** *organized by Department of Mathematics, Tripura University, Tripura, India.*

CONFERENCE / SEMINAR/WORKSHOP PARTICIPATED:

1. *Nation-wise Sansatization Programme On Mathematics For Teachers,* **19-20 Feb 2014** *and* **21-22 Feb 2014***, organised by Vigyan Prasar (Department Of Science and Technology, Govt.of India) and Bharat Gyan-VigyanSamiti-Tripura, State Council for Science and Technology.*

2. *"National Conference On Ancient Indian Mathematics"* **February 8-9, 2014** *organized by Tripura Mathematical Society, Agartala, Tripura, India.*

3. *"Workshop On Rough Set and Its Applications",* **November16-17, 2012** *organized by Department of Mathematics, Tripura University and Fuzzy and Rough Sets Association (FRSA),Tripura, India.*

4. *"Tripura Science Congress"* **September, 8-9, 2011** *organized by Tripura State Council for Science and Technology (A Constituent Organization of the Department of Science, Technology and Environment, Government of Tripura), Tripura, India.*

5. *The North East Workshop on Language and Sgnal Processing held at Tripura University, Suryamaninagar, during* **2-6 February, 2009** *organished jointly by CVPR unit, Indian Statistical Institute and Computer Centre, Tripura University.*

6. *"National Seminar on Fuzzy Mathematics and its Applications,"* **November 25-26, 2006** *organized by Tripura Mathematics Society, School of IT and Computer Science, Tripura University, Tripura, India.*

INSTITUTIONAL EXTRA CURRICULUM PARTICIPATION:

1. *Participated in* **National Unity Day Run** *organized by Rajiv Gandhi University, Arunachal Pradesh on the occasion of National Unity Day on* **31st October,2023***.*

FIP / FDP COURSE DETAILS:

1. *Completed* **"One week Faculty Development programme"***, organized by Calcutta Mathematical Society, Kolkata,India during* **08-15, September, 2023***, entitled " Workshop On Mathematical Analysis, Applied Probability and Astrophysics (WMAAPA-2023)".*

2. *Completed* **"Online Month-long Faculty Induction Programme (FIP)"***, organized by Teaching Learning Centre, Tezpur University during* **02-31 August, 2023** *under* PMMMNMTT Scheme of Ministry of Education, Government of India.