Dr. Nita Tamang

M.Sc., Ph.D. (University of North Bengal)

Assistant Professor,
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Contact

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Achievements & Awards

1. Post Graduate Merit Scholarship for University Rank Holder 2007.

2. CSIR NET-JRF 2008.

Professional experience

1. Assistant Professor, Department of Mathematics, Jadavpur University, Kolkata West Bengal-700032, India (from 05.07.2011 to 19.12.2012).

2. Assistant Professor, Department of Mathematics, University of North Bengal, Raja Rammohunpur, West Bengal-734013, India (from 20.12.2012 to till date).

Areas of Research Interest: Algebra and Number Theory.

Number of Ph.D. students: 4

Number of registered Ph.D. students: 2

Publications

1. N. Tamang, M. Singha and S. De Sarkar, Separation Axioms in Sequential Topological Spaces in the Light of Reduced and Augmented Bases, Int. J. Contemp. Math. Sciences, 6(23) (2011) 1137-1150.

2. N. Tamang, M. Singha and S. De Sarkar, Separation Axioms in Fuzzy Sequential Topological Spaces, J. Adv. Stud. Topol., 4(1) (2013) 83-97.

3. N. Tamang, M. Singha and S. De Sarkar, FS-closure operators and FS-interior operators, Ann. Fuzzy Math. Inform., Vol. 6, No. 3, (Nov 2013) 589-603.

4. M. Singha, N. Tamang and S. De Sarkar, Fuzzy Sequential Topological Spaces, International Journal of Computer and Mathematical Sciences, 3(4) (2014) 2347-8527.

5. N. Tamang, M. Singha and S. De Sarkar, Composition of fuzzy sequential operators with special emphasis on FS-connectors, Palestine Journal of Mathematics, Vol. 4(1) (2015) 37-43.

6. N. Tamang and S. De Sarkar, Some Nearly Open Sets in a Fuzzy Sequential Topological Space, International Journal of Mathematical Archive, 7(2), (2016) 120-128.

7. N. Tamang, M. Singha and S. De Sarkar, On the notions of continuity and compactness in fuzzy sequential topological spaces, International Journal of Engineering and Advanced Research Technology, 2(10) (Oct 2016), 2454-9290.

8. N. Tamang and S. De Sarkar, Decomposition of Continuity in a Fuzzy Sequential Topological Space, Theory and Applications of Mathematics & Computer Science 7 (1) (2017) 78 – 94.

9. N. Tamang and M. Mandal, Hyperideals of a Ternary Hypersemiring, *Bull. Cal. Math. Soc.,* **110,** (5) 385–398 (2018).

10. N. Tamang, A Simple Observation on Decomposition of Multiple Zeta Values, Indian J. Pure Appl. Math., 51(4): 1269-1284, December 2020.

(DOI: 10.1007/s13226-020-0465-x)

11. M. Mandal, S. Das and N. Tamang, Left Bi-quasi and Minimal Left Bi-quasi Ideals of Ternary Semiring, Southeast Asian Bulletin of Mathematics (2021), 45: 217–226.

12. M. Mandal, N. Tamang and S. Das, On Primary Hyperideals Of Ternary Hypersemiring, Journal of Hyperstructures, 10 (1) (2021), 22-37.

13. M. Mandal, N. Tamang and S. Das, On some properties of hyperideals in ternary hypersemirings, to appear in Asian European Journal of Mathematics.

(https://doi.org/10.1142/S1793557122502308)

Projects Undertaken

Project Title	Worked As	Funding Agency	Amount	Duration	Period	Status
Decomposition of Multiple Zeta Values	Principal Investigator	NBU	75000	One Year	2017-2018	Completed
Duality Theorems on Interpolated Multiple Zeta Values	Principal Investigator	NBU	150000	One Year	2022-2023	Ongoing

Invited/Contributed Talks

1. Delivered an invited talk (online) on "Riemann Hypothesis – A Million Dollar Problem" to Mathematics honours students of Surya Sen Mahavidyalaya, Siliguri on 6th June 2021.

2. Presented a paper (online) "Some results on Multiple Zeta Values and Multiple Zeta star Values" on 14th International Online Conference MSAST 2020 of IMBIC, Kolkata, India (21-23 December 2020).

3. Presented a paper "On Decomposition of Multiple Zeta Values" on International Conference on Mathematical Analysis and Application in Modelling (9th-12th Jan 2018), Organized by Department of Mathematics, Jadavpur University in association with ISI Kolkata and Biomathematical Society of India.

Participation in Workshop/Conferences

1. Workshop On Lie Group And Lie Algebra, 2nd to 4th March 2020, Organized by Department of Mathematics, University of North Bengal.

2. NCMW Workshop on Modular Forms, 14th to 19th, Dec 2020 (online).

3. Workshop on Analytic Number Theory, 19th- 24th Oct, 2015, IMSc Chennai, Tamil Nadu.

4. AIS on Analytic Number Theory, 1st to 20th June 2015, KIIT School of Computer Applications, KIIT University, Bhubaneswar, 751024, Odisha.

5. Workshop on General Topology with Special Emphasis on Proximities, Compactifications and Rings of Continuous Functions , 21st February to 2nd March 2013, University of North Bengal.