Dinabandhu Mahavidyalaya, Bongaon

Teacher's Profile

Name: Dr. Sumit Som

Address: Ganeshpur 3rd Gheri Dakshin, Kakdwip, South 24 Parganas, Pin-743347, West Bengal, India.

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Designation: Assistant Professor

Department: Mathematics

Specialization: Operator theory, Algebraic and Differential topology.

Educational Qualification: Ph.D

Academic career:

1. Ph.D in Science at Jadavpur University (2018). Thesis successfully defended on 20.06.2018.
2. Master of Science (M.Sc.) in Mathematics at Jadavpur University (2011).
3. Bachelor of Science (B.Sc.) in Mathematics Hons. at Jadavpur University (2009).

Date of Joining: 22nd November, 2024

Teaching Experience: 4 years

Subject/Course taught: Real Analysis, Abstract algebra, linear algebra, functional analysis, topology, Discrete Mathematics, Differential and difference equations, probability statistics & Reliability.

Research interest: summability, fixed point, best proximity point.

Project undertaken: NA

Fellowships received:

1. UGC Junior research Fellowship (NET) in 2012 December and 2013 June.
2. Postdoctoral Fellowship by CSIR in 2018-2020.

Membership: Life member of Indian Mathematical Society (IMS).

List of publications:

1. **Sumit Som**; A note on best proximity points for F-contractive non-self mappings, Accepted for publication in **Korean Journal of Mathematics**, 2024.

2. Hemanta Kalita, **Sumit Som**, Bipan Hazarika; On statistical convergence of topological Henstock-Kurzweil integral, Accepted for publication in **Carpathian Journal of Mathematics**, 2024.

3. Manidipa Mandal, **Sumit Som**; Equivalence between best proximity point and fixed point for some class of Multivalued mappings, **Journal of Nonlinear Sciences and Applications**, 17 (3) 123-127, 2024.

4. Abhishikta Das, **Sumit Som**, Hemanta Kalita, Tarapada Bag; An application of ϕ-metric and related best proximity point results generalizing Wardowski's fixed point theorem, Accepted for publication in **Tatra Mountains Mathematical publications**, 2024.

5. Moosa Gabeleh, **Sumit Som**; Comments on the paper "Best proximity points in noncommutative Banach spaces", **Computational and Applied Mathematics**, 42, Article 250, 2023.

6. **Sumit Som**, Moosa Gabeleh; Comments on the paper "Best proximity point results with their consequences and applications", **Journal of Inequalities and Applications**, Article 132, 2022, https://doi.org/10.1186/s13660-022-02871-4

7. **Sumit Som**, Moosa Gabeleh, Manuel De la Sen; Equivalence between the Existence of Best Proximity Points and Fixed Points for Some Classes of Proximal Contractions, **Axioms**, 11 (9) 2022.

8. Supriti Laha, **Sumit Som**, Lakshmi Kanta Dey, Huaping Huang; Best Proximity point results for proximal contraction in topological spaces, **Fixed point theory**, 25 (1) 179-200, 2024.

9. **Sumit Som**; A remark on the paper "A note on the paper Best proximity point results for p-proximal contractions", **Acta Mathematica Hungarica**, 166 (1) 103-106, 2022.

10. **Sumit Som**; Comments on the paper ``Best proximity point results for p-proximal contractions, **Acta Mathematica Hungarica**, 168 (2) 516-519, 2022.

11. **Sumit Som**; A generalization of the of the density zero ideal, **Rendiconti del circolo Matematico di Palermo series 2**, 70 (2) 1037-1039, 2021.

12. **Sumit Som**, Supriti Laha, Adrian Petrusel, Lakshmi Kanta Dey; Best proximity point results on arbitrary topological spaces and the Banach contraction principle revisited, **Journal of Nonlinear and convex analysis**, 23 (1) 67-85, 2022.

13. **Sumit Som**, Ashis Bera, Lakshmi Kanta Dey; Some remarks on the metrizability of F-metric spaces, **Journal of Fixed point theory and Applications**, 22, Article 17, 2020.

14. **Sumit Som**, Adrian Petrusel, Hiranmoy Garai, Lakshmi Kanta Dey; Some characterizations of Reich and Chatterjea type nonexpansive mappings, **Journal of Fixed point theory and Applications**, 21, Article 94, 2019.

15. Sudeshna Basu, Lakshmi Kanta Dey, **Sumit Som**; Farthest Point Problem and Partial Statistical Continuity in Normed Linear Spaces, **Quaestiones Mathematicae**, 45 (4) 595-604 (2022).

16. **Sumit Som**, Adrian Petrusel, Lakshmi Kanta Dey; Some remarks on the metrizability of some metric-like structures, **Carpathian Journal of Mathematics**, 37 (2) 265-272 (2021).

17. **Sumit Som**, Lakshmi Kanta Dey, Wutiphol Sintunavarat; Cantor's intersection theorem in the setting of F-metric spaces, **Fixed point theory**, 23 (1) 385-390 (2022).

18. **Sumit Som**, Ekrem Savas; A note on farthest point problem in Banach spaces, **Miskolc Mathematical Notes**, 20 (2) 1237-1243 (2019).

19. Pratulananda Das, Sanjoy Ghosal, Avishek Ghosh, **Sumit Som**; Characterization of rough weighted statistical limit set, **Mathematica Slovaca**, 68 (4) 881-896 (2018).

20. Sanjoy Ghosal, **Sumit Som**; Different behaviors of rough weighted statistical limit set under unbounded moduli, **Filomat**, 32 (7) 2583-2600 (2018).

21. Pratulananda Das, Sanjoy Ghosal, **Sumit Som**; Different types of quasi weighted $\alpha\beta$ statistical convergence in probability, **Filomat**, 31 (5) 1463-1473 (2017).

22. **Sumit Som**, Ekrem Savas; Existence of unique fixed point of a mapping defined on an uniquely remotal subset in Hilbert space, **The Journal of Analysis**, 30 (2) 547-556 (2022).

23. **Sumit Som**; A remark on the paper ``A best proximity point theorem for Geraghty-contractions", **The Journal of Analysis**, 30 (3) 959-963 (2022).

24. **Sumit Som**; A note on probability convergence defined by unbounded modulus function and $\alpha\beta$-statistical convergence, **Kragujevac Journal of Mathematics**, 45 (1) 127-138 (2021).

25. Pratulananda Das, **Sumit Som**, Sanjoy Ghosal, Vatan Karakaya; A notion of $\alpha\beta$- statistical convergence of order γ in probability, **Kragujevac Journal of Mathematics**, 42 (1) 51-67 (2018).

26. Pratulananda Das, Sanjoy Ghosal, **Sumit Som**; Statistical convergence of order α in probability, **Arab Journal of Mathematical Sciences**, 21 (2) 253-265 (2015).

27. Sanjoy Ghosal, **Sumit Som**; Lacunary statistical convergence of a sequence of random variables in probability, **Indian Journal of Mathematics**, 56 (3) 377-395 (2014).

Conference presentations:

1. Delivered a talk entitled "**Some remarks on the metrizability of F-metric spaces**" at an international scientific conference "Algebraic and Geometric methods of Analysis-2021" held at kyiv, Ukraine during 25-28 May, 2021.

2. Delivered a talk entitled "**A generalization of the density zero ideal**"at the International conference of Indian Mathematical Society (IMS) 2020 held at VIT Vellore, India during December 17-20, 2020.

3. Delivered a talk entitled "**A short proof of the metrizability of $\mathcal{F}$-metric spaces**" at the International conference of Indian Mathematical Society (IMS) 2019 held at IIT Kharagpur, India during November 22-25, 2019.