

Dr. Sunirmal Kundu

Designation :

Assistant Professor of Mathematics [WBES]

Academic Qualification :

M.Sc. , B.Ed. , Ph.D.



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Award / Fellowship:

1. Got National Scholarship in Class X .
2. Got National Scholarship in B.Sc. and stood *First Class 2nd* from the University of Burdwan in **2004**.
3. Stood *First class 1st* in M.Sc. from the University of Burdwan in **2006** and got University Gold Medal.
4. Qualified **C.S.I.R. Net December 2009**, all India Rank **34**.
5. Qualified **2010 Gate**. All India Rank **5**.
6. Qualified N.B.H.M.
7. Awarded Ph.D. Degree from IEST, Shibpur effective from **11.09.2021**.

Course Attained :

1. Participate in FIP from **08.02.22** to **12.03.22** conducted by UGC-HRDC, Aligarh Muslim University, Aligarh .
2. Participate RC in Mathematics from **07.07.22** to **20.07.22** conducted by UGC-HRDC Pondicherry University, Pondicherry .

Research Interests :

Functional Analysis, Real Analysis, Measure Theory, Metric Fixed Point Theory.

Experience :

1. Assistant Teacher in Dhanara Vikrampur Shyamaprasad Union High School from **03.07.2006** to **17.10.2007**.
2. Assistant Teacher in Shyambati Rameswar High School from **25.09.2008** to **31.11.2018**.
3. Guest Lecturer in Netaji Mahavidyalaya from **01.07.2010** to **30.06.2011**.
4. Assistant Professor in Government General degree College, Salboni from **01.12.2018**.

List of Papers : [Upto 30.11.2022]

1. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, Existence and stability results for coincidence points of nonlinear contractions, **Facta Universitatis (NIS) Ser. Math. Inform.** 32 (4) (2017), 469 – 483.
2. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, End point theorems of multivalued operators without continuity satisfying hybrid inequality under two different sets of conditions, **Rend. Circ. Mat. Palermo, II. Ser** 68 (2) (2018), 65-81.
3. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, Fixed point sets of multivalued contractions and stability analysis, **Communications in Advanced Mathematical Sciences** I (2) (2018), 163-171.
4. Binayak S. Choudhury, Nikhilesh Metiya, Amaresh kundu, *Sunirmal Kundu*, Existence of tripled fixed points for Feng Liu type contraction, **Bull. Cal. Math. Soc.**, 111 (6) (2019), 487-502.
5. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, Debashis Khatua, Fixed point of multivalued mapping in metric spaces, **Surv. Math. Appl.**, 14 (2019), 1-16.

6. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, Existence, data-dependence and stability of coupled fixed point sets of some multivalued operators, **Chaos, Soliton and Fractals** 133 (2020) 109678.
7. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, Existence, uniqueness and wellposedness results for relation theoretic coupled fixed point problem using C-class function with some consequences and application, **The Journal of Analysis** 29 (1) (2021), 227-245.
8. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, Pranati. Maity, Multivalued coupled fixed point results involving Mizoguchi-Takahashi function in metric spaces, **Pan-American Mathematical Journal** 1 (31) (2021), 29 -44.
9. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, Existence, well-posedness of coupled fixed points and application to nonlinear integral equations, **Cubo (Temco)**, 23 (1) (2021), 171-190.

10. Binayak S. Choudhury, T. Ganna Bhaskar, Nikhilesh Metiya, *Sunirmal Kundu*, Existence and stability of Coupled fixed point sets of multi-valued mappings, **Fixed Point Theory** 22 (2)(2021), 571-586.
11. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, A multivalued fixed point result with associated data dependence and stability study, **Problemy Analiza-Issue of Analysis**, DOI: 10.15393/j3.art.2022.10370.
12. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, Priyam Chakraborty, Existence, uniqueness, Ulam-Hyer-Rassias stability, wellposedness and data dependence property related to a fixed point problem in α -complete metric spaces with application to integral equation, **Nonlinear analysis: modelling and control** 1 (27)(2022), 121-141.
13. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, Amaresh Kundu, Existence of coincidence points for multivalued contractions with a singlevalued mapping, **Proyecciones journal of mathematics**, 3 (41)(2022), 537-551..

14. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, Pranati Maity, Existence and Stability of solutions of a global setvalued optimization problem, **Yugoslav Journal of Operation Research** 3 (32) (2022), 357 – 376,(2022), DOI:<https://doi.org/10.2298/YJOR210617006C>.
15. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, Coupled fixed point sets with data-dependence and stability, **Surv. Math. Appl.**, 17 (2022), 205 -223.
16. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, Existence, error estimation, rate of convergence, Ulam- Hyers stability, well-posedness and limit shadowing property related to a fixed point problem, **Bol. Soc. Paran. Mat.** 40 (2022), 1 – 10.
17. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, End point of multivalued cyclic admissible mappings, **Thai J. Math.** , 3 (20) (2022), 1399 – 1410.

18. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, Multivalued coupled coincidence point in metric spaces, **MATEMMATTICKI VESNIC**. (**Accepted**)
19. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, Amaresh Kundu , Common fixed point results for multivalued mapping with applications to system integral and functional equations, **Annals of the University of Craiova** . (**Accepted**)
20. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, Pranati Maity, Coupled fixed points for multivalued Feng-Liu type contractions with application to nonlinear integral equation, **Springer Proceedings in Mathematics and Statistics**. (**Accepted**)
21. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, Tanmoy Som, Existence and stability results for fixed points of multivalued F contractions and application to Volterra type non homogeneous ntegral equation of second kind, **The Annals of the University of Craiova - Mathematics and Computer Science Series** . (**Accepted**)

22. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, Debashis Khatua, Existence, Data dependence and Stability of Fixed Points of Multivalued Maps in Incomplete Metric Spaces, **Annales Mathematicae Silesianae**. (Revised)
23. Binayak S. Choudhury, Nikhilesh Metiya, *Sunirmal Kundu*, Debashis Khatua, A setvalued coupled coincidence point theorem with data dependence and weak stability results , **Asian-European Journal of Mathematics**. (Revised)

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