Dr. SUNIRMAL KUNDU

1. Personal Details:

Name: Dr. Sunirmal Kundu

Qualification: M.Sc., NET, B.Ed. Ph.D.

Designation: Assistant Professor   **Department:** Mathematics

Email id: sunirmalkundu2009@rediffmail.com,   sunirmalkundu01.12.2018@gmail.com

Contact Number: 8900099930   **Whatsapp Number :**9679281239

Teaching Experience [substantive post only]:   06 years 11 Days

2. Previous work places:

Serial No.	Name of the Organization	Designation	Period
1	Shyambati Rameswar High School	Assistant Teacher	From 25.09.2008 to 30.10.2018

3.   Academic Credentials:

A) Education Qualification (Graduate onwards):

S.N.	Examination	Name of the University	Year of Passing	Remarks
1	B.Sc. (H)	University of Burdwan	2004	1st Class second, got National Scholarship
2	M.Sc. (Mathematics)	University of Burdwan	2006	1st Class first, got University Gold medal
3	B.Ed.	Netaji Subhas Open University	2015	
4	NET		June 2009	All India Rank: 93
			December 2009	All India Rank: 34
5	GATE		2010	All India Rank: 05

B) Research Degrees:

Degree	Name of the University	Date of Award	Title
Ph.D.	Indian Institute of Engineering Science and Technology,	11th March 2021	RESULTS ON MULTIVALUED FIXED POINT AND RELATED TOPIC IN METRIC SPACES

4. Specialization and Research Interests:

- (i)   Functional Analysis
- (ii)   Measure and Integration
- (iii)   Real Analysis
- (iv)   Metric Fixed Point Theory

5. Training Programme Attained:

A) Academic Staff College Faculty induction programme/ Refresher Course:

S. N.	Name of the Course	Place	Duration	Sponsoring Agency
1.	Faculty Induction programme	Aligarh Muslim University	08.02.2022 to 12.03.2022	UGC-HRDC
2.	Refresher Course on Mathematics	Pondicherry University	07.07.2022 to 20.07.2022	UGC-HRDC
3.	Refresher Course on Environmental Studies	Aligarh Muslim University	16.08.2023 to 19.08.2023	UGC-HRDC

B) Webinar: (Participated)

S. N.	Name of The Webinar	Name of The Organized Institute	Duration	Level
1.	Foundation of Ordinary Differential Equation with a case study	City college, Kolkata	24.07.2020	National
2.	Recent trends in Mathematics and its application	Kharagpur College	29.07.2020	National
3.	Challenges and Conquest Strategies in the 'New Normal' Global Scenereo	Banwarilal Bhalotia College	30.07.2020	International
4.	Biodiersity and sustainable development in Human welfare	Bijoy Krishna Girl's College, Howraha	29.07.2020 to 30.07.2020	International
5.	Use of Mathematical Modelling in COVID19 Cancer Control	Dinabandhu Mahavidyalaya, Bonganon	31.07.2020	International
6.	Sustainable waste Recycling Towards Better Livelihood	Mugberia Gangadhar Mahavidyalaya, Bhupatinagar	31.07.2020	National
7.	Plant through Ages: Extinct to Extant	Mrinalini Datta Mahavidyapith	04.08.2020	National
8.	Bacterial Concrete : A Journey from Greenhouse to Green Home	Shyampur Siddhesswari Mahavidyalaya, Ajodhya, Howraha	05.08.2020	National
9.	Space Debris Management		07.08.2020	
10.	Recent Development in Mathematics and its Social Impact	Sukumar Sengupta Mahavidyalaya	08.08.2020 to 09.08.2020	National
11.	Recent trends in Mathematics and its application in computer science	Shyampur Siddhesswari Mahavidyalaya,	09.08.2020	International
12.	Relevance of Massive Open Online Courses (MOOCs) in the time of Pandemic	Jhargram Raj College	12.08.2020	
13.	Vikram Sarabhai Centenary Talk		07.08.2020	
14.	Quantum Biology in Nature	Raja Peary Mohan College	14.08.2020	International
15.	Recent Advances in Mathematical Science	Egra S.S.B. College	16.08.2020	National
16.	Covid-19 Pandemic through the eye of Academicians changes along troubles and opportunities	Ramnagar College	18.08.2020	
17.	Understanding of specific Learning Disabilities	Netaji Subhas Open University	20.08.20 to 21.08.2020	National
18.	Modern Trends in Mathematics and its Application	Krishnanagar Government College	21.08.2020	Internationa
19.	Fuzzy and Neutrosophic System	Bodoland University	21.08.2020 to 22.08.2020	International
20.	Orientation Programme on Blood donor's motivation	Kharagpur College	22.08.2020 to 23.08.2020	
21.	Strengthening Mental Health through Music and Yoga in Covid-19 Pandemic	Mugberia Gangadhar Mahavidyalaya, Bhupatinagar	24.08.2020	International
22.	Post Covid Situation in Indian and West Bengal Economy : Challenges & Remedies	Kaliyagang College	27.08.2020 to 28.08.2020	International
23.	Advances in Mathematics and its application	Paskura Banamalki College	28.08.2020 to 29.08.2020	National
24.	Mathematical Modelling in the context of Covid-19	Mugberia Gangadhar Mahavidyalaya, Bhupatinagar	31.08.2020 to 01.09.2020	International
25.	Aspects of Biodiversity and Climate change Issues in present scenario	Netaji Nagar Day College, Kolkata	03.09.2020	Natioal
26.	National Educational Policy-2020 Challenges & Opportunities	Shyampur Siddhesswari Mahavidyalaya, Rasaday College, Gourav Guin Memorial	06.09.2020	National

		College		
27.	An Overview of Experimental Physics and its Application	Jhargram Raj College	12.09.2020	
28.	National Educational Policy: 2020	Shaeed Nurul Islam Mahavidyalaya	15.09.2020	National
29	Understanding Copyright and Plagiarism: it's Consequences in Academic Integrity	Kishore Bharati Bhagini Nivedita College	16.09.2020	National
30	Bioethics Medical Education in the Covid Pandemic	Christian Medical College, Ludhiana	18.09.2020	International
31	Health-care at home: Roots, Concepts and practices in the recent pandemic	Ramnagar College	19.09.2020	National
32	National Education Policy: An Introduction	Nabadwip Vidyasagar College	25.09.2020	International
33	National Education Policy 2020: from the Perspective of School Education and Teacher Education	Gangadharpur Sikhan Mandir Teacher's Training Instution	26.09.2020	National
34	Deadly Situation of Covid-19 Pandemic: Nutrition and Food Security in India	Bajkul Milani Mahavidyalaya	27.09.2020	National
35	Covid-19 and its impacts: Security from the Desk of Social Science	Bajkul Milani Mahavidyalaya & Belda College	29.09.2020	National
36	The power of GIS and 3D modelling	GEO-PASSIONATES' A Research Initiative.	04.10.2020	International
37	Thoughts of Jagat Guru Nanak Dev Ji in reference of Indian philosophy	Indira Gandhi National Centre for the Arts (Ministry of Culture, Govt of India), Indian Council of Philosophical Research (Ministry of Education, Govt of India), ...	05.10.2020	International
38	Polycystic Ovary Syndrome	Yashamantrao Bhosle College of Pharmacy Sawantwadi	12.10.2020	National
39	MATLAB and its Application	Kharagpur College	17.10.2020	National
40	Revised Accreditation framework of NAAC Quality Enhancement Practices in Higher Education	S.S. Jain P.G. (Autonomous) College, Jaipur, Rajasthan.	21.10.2020	National
41	Future of Higher Education in India, in response to ongoing Pandemic – New demand, New Responsibilities	Syamsundar College & Burdwan Raj College	20.08.2020	National
42	Vidyasagar in the light of Renaissance	Tamralipta Mahavidyalaya	25.09.2020 to 26.09.2020	International
43	Environmental Sustainability through Green Technologies: Present & Future	Jhargram Raj College	17.10.2020	
44	Uncertainty Theory and Decision Making	Haldia Institute of Technology & Maulana Abul Kalam Azad University of Technology	28.10.2020 to 30.10.2020	International
45	Figuring Femininity	Government General Degree College, Salboni	17.10.2020	
46	Effect of Global Pandemic in our Professional life & possible steps to overcome them			
47.	NSOU Online Special Lecture Series in Mathematics, 2020(OSLSM2020)	Netaji Subhas Open University	19.08.2020	

6. Publications: (Research article, General article, Books, Books chapter etc.)

A) Research article

SL. NO.	Title of Publications	Journal Name	ISSN	Indexing	Impact Factor
1.	Existence and stability results for coincidence points of nonlinear contractions	Facta Universitatis Series: Mathematics and Informatics(University of Niš) Vol. 17, No. 4, (2017), 469 -483.	ISSN 0352-9665 (Print) I2406-047X (Online)	Web of Science	I.F. :0.5

2.	Fixed point sets of multi-valued contractions and stability analysis	Communications in Advanced Mathematical Sciences Vol. I, No. 2,(2018), 163 - 171.	EISSN : 2651-4001		
3.	End point theorems of multi-valued operators without continuity satisfying hybrid inequality under two different sets of conditions	Rendiconti del Circolo Matematico di Palermo Series 2 Vol. 68(2019),65-81	Electronic ISSN 1973-4409 Print ISSN 0009-725X	SCOPUS	I.F. :0.9
4.	Existence of tripled fixed points for Feng-Liu type contraction	Bulletin of Calcutta Mathematical Society Vol. 111, No. 2,(2019), 487 - 502	ISSN : 0008-0659	UGC Care	
5.	Fixed point of multi-valued mappings in metric spaces,	Surveys in Mathematics and its Applications Vol. 14, (2019), 1- 16.	**ISSN:** 1842- 6298 (Electronic) 1843-7265 (Print)	SCOPUS	
6.	Existence, data-dependence and stability of coupled fixed point sets of some multi-valued operators,	Chaos, Soliton and Fractals Vol. 14, 133, (2020) 109678	**ISSN :** 2590 – 0544	SCOPUS	I.F. :5.3
7.	Existence, uniqueness and well-posedness results for relation theoretic coupled fixed point problem using C- class function with some consequences and application	The Journal of Analysis Vol. 29, (2021), 227 – 245	**ISSN :** 09713611 (Print) 2367-2501 (Online).	SCOPUS, UGC Care	I.F. :0.7
8.	Multivalued coupled fixed point results involving Mizoguchi-Takahashi function in metric spaces	Pan American Mathematical Journal Vol. 11, No. 1,(2021), 29 - 44	**ISSN :** 1064 –9735 (Print).	SCOPUS	
9.	Existence, well-posedness of coupled fixed points and application to nonlinear integral equations,	Cubo, A Mathematical Journal Vol. 23, No. 1,(2021), 171 – 190	**ISSN :** 0719-0646 (Online).	SCOPUS, Web of Science	I.F. :0.6
10.	Existence and stability of coupled fixed point sets for multi-valued mappings,	Fixed Point Theory Vol. 22, No. 2, (2021), 571 - 586	**ISSN :** 1583 – 5022(Print) 2066-9208 (Online).	SCOPUS, Web of Science	I.F. :1.396
11.	Existence, error estimation, rate of convergence, Ulam- Hyers stability, well-posedness and limit shadowing property related to a fixed point problem,	Boletim da Sociedade. Paranaense de Matemática Vol. 40, (2022), 1 - 10.	**ISSN :** 2175 1188 (Online) 0037-8712 (in press).	SCOPUS, Web of Science	
12.	A multi-valued fixed point result with associated data dependence and stability study,	Problemy Analiza-Issue of Analysis Vol. 11 (29), No. 2, (2022), 45 - 57	**ISSN :** 2306-3432 (Online) 2306-3424 (Print).	SCOPUS, Web of Science	

13.	Existence, uniqueness, Ulam-Hyer-Rassias stability, well-posedness and data dependence property related to a fixed point problem in γ- complete metric spaces with application to integral equations,	Nonlinear analysis: modelling and control Vol. 27, No. 1, (2022), 121 - 141.	**ISSN :**2335-8963(Online),1392-5113(Print).	SCOPUS, Web of Science	I.F. :2.6
14.	Existence of coincidence points for Feng-Liu type multi-valued contractions with a single-valued mapping,	Proyecciones Journal of Mathematics Vol. 27, No. 3 , (2022), 537 - 551	**ISSN :**07176279, 07160917	SCOPUS	
15.	Existence and stability of solutions of a global set valued optimization problem,	Yugoslav Journal of Operations Research Vol. 27, No. 3,(2022), 357 - 376.	ISSN :2334-6043(Online) 0354-0243 (Print).	SCOPUS	
16.	Coupled fixed point sets with data-dependence and stability,	Surveys in Mathematics and its Application Vol. 27, (2022), 205 - 223.	**ISSN :** 1842-6298 (Electronic) 1843-7265 (Print)	SCOPUS	
17.	End point of multi-valued cyclic admissible mappings,	Thai Journal of Mathematics Vol. 20, No. 3,(2022), 1399 – 1410.	**ISSN :**1686-0209	SCOPUS, Web of Science	
18.	A set-valued coupled coincidence point theorem with data dependence and weak stability results,	Asian-European Journal of Mathematics Vol. 20, No. 3, (2023), 2350068	**ISSN :**1793-718(Online): 1793-5571(Print)	SCOPUS, Web of Science	
19.	Existence, Data dependence and stability of fixed points of multi-valued maps in incomplete metric spaces	Annales Mathemeticae Silesianae Vol. 37, No. 1,(2023), 32-48	**ISSN:** 0860-2107 (Print) **ISSN:** 2391-4238(Onlin)	SCOPUS, Web of Science	I.F. :0.3
20.	Existence and stability results for fixed points of multi-valued *F* contractions and application to Volterra type non homogeneousintegral equation of second kind,	The Annals of the University of Craiova - Mathematics and Computer Science Series Vol. 50, No. 1,(2023), 1-1 5	**ISNN:** 1223-6934 2246-9958 (Online)	SCOPUS, Web of Science	
21.	Common fixed point results for multivalued mapping with applications to system integral and functional equations	The Annals of the University of Craiova - Mathematics and Computer Science Series Vol. 50, No. 1,(2023), 42 - 52	**ISNN :** 1223-6934 2246-9958 (Online)	SCOPUS, Web of Science	
22.	A unified fixed point result along with error estimation and propagation in the fixed point iteration	La Matematica, Vol. 50, (2023), 243-257	**Electronic ISSN**: 2730-9657	SCOPUS	

23.	Multi-valued coupled coincidence point in metric spaces	MATEMATIČKI VESNIK Vol. 75, No. 4, *(2023),* 10 pages	**ISSN:** 2406-0682 (Onlin), **ISSN:** 0025–5165 (Print)	SCOPUS, Web of Science	I.F. :0.4
24.	Multi-valued Mizoguchi - Takahashi type rational contraction in relationalfixed point theory	Surveys in Mathematics and its Application Vol. 18, (2023), 59 - 72	**ISSN :** 1842- 6298 **(Electronic)** 1843-7265 (Print)	SCOPUS	
25.	Fixed point sets of multi-valued rational contractions with stability analysis	Afrika Matematika, Vol. 34, No. 4,Article: 87 (2023),15pages	**Electronic ISSN** : 2190-7668 **Print ISSN** 1012-9405	SCOPUS, UGC care list	I.F. :0.9
26.	Fixed point results with rate of convergence and error estimation	MATEMATIČKI VESNIK(2024), DOI: 10.57016/MV-JE9xa175, 1-11	**ISSN:** 24060682 **(Online),** **ISSN:** 0025-5165 **(Print)**	SCOPUS, Web of Science	I.F. : 0.4
27.	Some aspects of a coupled system of nonlinear integral equations	Optimization, (2024), https://doi.og10.1080/02331934.2024.2422041	**ISSN:** 2065-961x	SCOPUS, Web of Science	I.F. :1.6
28.	A global optimality result using coupled proximal contractions with stability analysis	Studia Universitatis Babeş-Bolyai Mathematica Vol. 69, No. 4,(2024), 927–943	**ISSN**: 0233-1934	SCOPUS, Web of Science	I.F. :0.4

B) Book/Book chapter:

Sl. No	Title of Publications	Level	Publishing Agency	Year, Volm., Page	ISBN
1.	**Chaptter : 3**- Coupled Fixed Points for Multi-valued Feng–Liu-Type Contractions with Application to Nonlinear Integral Equation (International Conference on Nonlinear Applied Analysis and Optimization)	International	Springer Springer Nature Singapore	Page No. : 21 –30, Year of Publication : 2023	**ISSN** 2194-1009 **ISSN:** 2194-1017 **(electronic)** **ISBN:** 978-981-99-0596-6 **ISBN:** 978-981-99-0597-3 (eBook)

7. Seminar/Workshop participated: (Seminar participated)

Sl. No	Title	Date	Organized by	Activity
1.	Some aspects of ordinary	Recent Development of	Department of	

	differential equation with periodic boundary condition by metric fixed point approach	Differential Equations and applications, Date : 15th June, 2023	Mathematics (UG& PG) Panchmura Mahavidyalaya	Paper Presenter
2.	Some aspects of Fredelhom integral equation of second type by metric fixed point approach	National Webinar on Applied Mathematics in Recent Times Date : 19th June, 2023	Ghatal Rabindra Satabarsiki Mahavidyalaya	Paper Presenter
3.	Some aspects of a coupled system of matrix equations	International Conference on Recent Development in Research Date : 28th June, 2023	Tamralipta Mahavidyalaya	Paper Presenter
4.	Existence of solution of system of integral equations by coupled fixed point approach	International Seminar on Research Methodology Date : 28th July, 2023	Debra Thana Sahid Kshudiram Smriti Mahavidyalaya	Paper Presenter
5.	Existence of coupled fixed points for generalized type contractions and its application to solve system integral equations and functional equation	International Conference on Recent Advances in Science, Technology, Engineering, Management and Social science, RASTEMS-2023). Date : 06-08, October, 2023	New Research and Innovation Society in association with Addis Ababa Science and Technology University, Biotechnology and Bioprocess Centre of Excellence, Ethiopia and Karpaga Vinayaga College of Engineering and Technology, Chengalpattu, India	Paper Presenter
6.	Some consequences of Banach _fixed point theorem and their application to Fredholm integral equation	International Conference ``Multidisciplinary Research Methodology & IPR 2023'' Date : 12-13, October 2023	Bhairab Ganguly college in association with Swami Vivekananda University, India	Paper Presenter

8. Workshop participated :

SL No.	Name of the Workshop	Name of Organized Institute	Duration	Level
1.	Revisiting the History of India and Beyond	Sripat Singh College and Jangipur College	02.09.2020 to 08.09.2020	International
2.	Virtual workshop on Pure Mathematics	Department of Pure Mathematics, University of Calcutta	21.09.2020 to 25.09.2020	
3.	The Foundation of College Mathematics	Sovarani Memorial College and Saldiha College	21.09.2020 to 23.09.2020	International
4.	Recent Development of Mathematical Science on Biological and Dynamical Systems with Fuzzy and Fractional Environments'	Department of Mathematics, Mahadevnanda Mahaidyalaya	19.07.2024 to 29.07.2024	