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
	NEI		December 2009	All India Rank: 34
5	GATE		2010	All India Rank: 05

B) Research Degrees:

Degre	e Name of the University	Date of Award	Title
Ph.D	Indian Institute of Engineering Science and Technology,	11 th 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.	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 Internation 28.08.2020		
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	text Mugberia Gangadhar Mahavidyalaya, 31.08.2020 t Bhupatinagar 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. <u>Publications: (Research article, General article, Books, Books chapter etc.)</u>

$\boldsymbol{A} \) \ \underline{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

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				2306-3424 (Print).		

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13.	Rassias stability, well-posedness and data dependence property related to a fixed point problem in	control Vol. 27, No. 1, (2022), 121 - 141.	8963(Online),1392- 5113(Print).		I.F. :2.6
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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	
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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 Multi-valued Mizoguchi -	MATEMATIČKI VESNIK Vol. 75, No. 4, (2023), 10 pages Surveys in Mathematics and its	ISSN: 2406-0682 (Onlin), ISSN: 0025–5165 (Print) ISSN: 1842-6298	SCOPUS, Web of Science	I.F. :0.4
24.	Takahashi type rational contraction in relationalfixed point theory	Application Vol. 18, (2023), 59 - 72	(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), 15 pages	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.og10.1080/02331934.202 4.2422041	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	Publishin g 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)

$\textbf{7. } \underline{\textbf{Seminar/Workshop participated}} \textbf{:} \textbf{ (Seminar participated)}$

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

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

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	