

Curriculum vitae

Dr. Rima Barik

CONTACT INFORMATION: Department of Mathematics
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PERSONAL INFORMATION:

Date of Birth : March 10, 1976
Gender : Female
Nationality : Indian

RESEARCH INTERESTS : Fixed point theory in functional analysis

EDUCATION :

- 10 Level from WBBSE with **72.20%** in 1991
- 10+2 Level (Science) from WBCHSE with **75.50%** in 1993

B.Sc. (1993–1996)

- Honours: Mathematics
- University: Kalyani University, Nadia, West Bengal, India.
- Percentage : 75.00
- Position: First Class First in Science Faculty (**Gold Medal**)

M.Sc. (1996–1998)

- Specialization : Real Analysis, Set Topology
- University: Kalyani University, Nadia, West Bengal, India.
- Percentage : 76.80
- Position: First among girl's students (**Silver Medal**)

M.Phil. Mathematics (2006-2008)

- Specialization : LP Spaces and Banach algebra, Modules and Galois theory, Fourier transform, Spectral Theory, Commutative Rings
- University: Madurai Kamaraj University, Madurai, India.

Ph.D. (2010-2015)

- University : West Bengal State University
- Title of thesis : A Study of w - distance in Cone Metric Space and Some Fixed Point Results in Generalized Metric Spaces
- Guide: Dr. Sushanta Kumar Mohanta, Professor and Head of the Department of Mathematics

SKILL DEVELOPMENT COURSES:

- NPTEL online certification course of 12 weeks on “Introduction to Fuzzy Set Theory, Arithmetic and Logic”, from July to October 2019.
- Two weeks’ Refreshers Course in Mathematics, organized by Department of Mathematics, Ramanujan College, under the aegis of Ministry of Education, Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, from 31st August to 14th September 2021.
- UGC Sponsored Faculty Development Programme, organized by HRDC, North Eastern Hill University, Shillong, from 19th September to 19th October 2023.

CURRENT POSITION : Assistant Professor in the Department of Mathematics, Khatra Adibasi Mahavidyalaya , Khatra, Bankura since 1st November 2019.

FORMER POSITIONS :

- Assistant Professor GR-II, in the Department of Mathematics, NSHM Knowledge Campus, Durgapur.
- Assistant Professor in the Department of Mathematics, Durgapur Society of Management Science, Durgapur.

SCHOOLS AND CONFERENCE ATTENDED:

- One week Faculty Development Programme organized by Dept. of IT, Mizoram University, from 29th June to 3rd July 2020.
- Faculty Development Programme Organized by NSHM College of Management & Technology, January 8, 2016.
- Seminar on Communication Organized by English Department, NSHM Knowledge Campus,
- Three times Faculty Development Program Organized by DSMS Group of Institution, During December 4th -9th 2009, 8th to 13th May, 2010, 30th Aug-4th Sept, 2010
- Seminar on Research Methodology, Organized by Vidyasagar University,
- International Conference on Recent Trends Organized by Bengal College of Engineering & Technology,

LECTURES AND PRESENTATIONS

- Paper Presentation at Two Day National Seminar on “Use of Open Educational Resources” Organized by IQAC, Banwarilal Bhalotia College, on 23/06/2023 & 24/06/2023
- Paper Presentation at the One Day International Level Seminar on “Philosophical Interventions in Language, Literature and Critical Thinking” Organized under the aegis of Internal Quality Assurance Cell, Khatra Adibasi Mahavidyalaya on 23/03/2023

- Paper Presentation at the International Conference on “Applications of Mathematics in Topological Dynamics, Physical, Biological and Chemical Systems” organized by Calcutta Mathematical Society, December 09-11, 2016.
- Paper Presentation at the 10th International Conference on “Mathematical Sciences for the Advancement of Science and Technology” organized by Institute of Mathematics, Bio-informatics, Information Technology and Computer Science (IMBIC), Kolkata, December 21-23, 2016.
- Paper Presentation at the National Seminar on “Analysis & Applications: Celebrating 100 years of the General Theory of Relativity” organized by Department of Mathematics, West Bengal State University, March 10-11, 2016.
- Paper presented at the Inter National Conference on “Recent Trends in Mathematical Sciences and Applications” organized by Department of Mathematics, University of Burdwan, Burdwan, February 9-10, 2016.
- Paper Presentation at the National Seminar on “Recent Development of Mathematics and its Applications” organized by Department of Mathematics, University of Kalyani, Kalyani, January 21-22, 2016.
- Paper Presentation at the 9th International Conference on “Mathematical Sciences for the Advancement of Science and Technology” organized by Institute of Mathematics, Bio-informatics, Information Technology and Computer Science (IMBIC), Kolkata, January 21-23, 2015.
- Paper Presentation at the National Conference on “Emerging Trends of Mathematics and Mathematical Sciences” organized by Calcutta Mathematical Society, December 17-19, 2015.
- Paper Presentation at the 2nd International Conference on “Recent Trends of Mathematics and Its Applications” organized by Vidyasagar University during March 18 - 19, 2015.
- Paper Presentation at the 1st International Conference on “Recent Trends of Mathematics and Its Applications” organized by Vidyasagar University during March 18 - 19, 2013.

PUBLICATION(S)

1. Some Fixed Point Theorems via w -distance on Cone Metric Spaces, Sushanta Kumar Mohanta and Rima Maitra, Global J. of Sc. Frontier Research, vol. XII, issue 1, version 1 (2012), 43-53.
2. Common Fixed Points of Three Self Mappings in Complex Valued Metric Spaces, Sushanta Kumar Mohanta and Rima Maitra, International J. of Mathematical Archieve, vol 3, no.8 (2012), 2946-2953.
3. Common Fixed Points For ϕ -pairs in Complex Valued Metric Spaces, Sushanta Kumar Mohanta and Rima Maitra, International J. of Mathematics and Computer Research, vol. 1, issue 9(2013), 251-256.
4. A Characterization of Completeness in Cone Metric Spaces, Sushanta Kumar Mohanta and Rima Maitra, J.of Nonlinear Science and Applications, vol.6(2013), 227-233.

5. Coupled Coincidence Points Theorems For Maps Under a New Invariant Set in Ordered Cone Metric Spaces, Sushanta Kumar Mohanta and Rima Maitra, International J. of Nonlinear Analysis and Applications, vol. 5(2014), 24-42.
6. Generalized c-distance and a Common Fixed Point Theorem in Cone Metric Spaces, Sushanta Kumar Mohanta and Rima Maitra, General Mathematical Notes, vol.21,no.1(2014), 10-26.
7. Coincidence Points and Common Fixed Points for Expansive Type Mappings in Cone b-Metric Spaces, Sushanta Kumar Mohanta and Rima Maitra, Applied Mathematics E-Notes, vol. 14(2014), 200-208.
8. Caccioppoli Type Fixed Point Result in Cone b-Metric Space, Rima Maitra, International J. of Innovative Science Engineering and Technology, vol.1, issue 4(2014).
9. Some Common Fixed Point Theorems via Generalized c-distance, Sushanta Kumar Mohanta and Rima Maitra, Kyungpook Mathematical J. , vol. 55(2015), 205- 218.
10. Some Fixed Point Results For Ciric-Operators In b-metric Spaces, Sushanta Kumar Mohanta and Rima Maitra, J. of Non Linear Anal. And Optimization, Vol. 6, No. 2(2015), 115-126.
11. Some Fixed point Results via wt-Distance in b-Metric Spaces, Dr. Rima Maitra, Bulletin of Calcutta Mathematical Society, vol. 108, No. 1, Feb 2016, 27-18.
12. Chapter Name: The Use of ICT for Mathematics Teachers'Education; Book Name: *Information and Communication Technology in Teacher education* Page Number: 168 to 179 : Crescent Publishing Corporation, India; ISBN: 978-93-9177146-1.
13. Chapter Name: OER in Mathematics: Broadening the Boundaries; Book Name: *Proceedings of Two-day National Seminar On Creation and Use of Open Educational Resources;* Page Number: 113 to 122; ISBN: 978-93-83659-69-2.
14. Chapter Name: Philosophy of Mathematics: A Review from Ancient to Present; Book Name: *Philosophical Interventions in Language, Literature and Critical Thinking* Page Number: 121 to 127; ISBN: 978-81-969016-1-5.

REFERENCES:

1. Dr. Sushanta Kumar Mohanta

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