



DR. RASHMI REKHA

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OBJECTIVE

Looking forward for an opportunity to work in a challenging environment where I can utilize my knowledge & skills towards fulfilling the institution's growth objectives, develop my career and excel in the related field.

ACADEMIC PROFILE

2016 Ph.D. (Physics- Electronics) from Lalit Narayan Mithila University, Darbhanga, Bihar, India
2015 Participate in "Training of Trainers" for Community Colleges of Bihar in A. K. University, Patna, Bihar
2011 PGDCA from Punjab Technical University, Punjab, India secured 65.7% marks
2009 M. Sc. (Physics) from L. N. Mithila University, Darbhanga, Bihar, India and secured 74.3.0% marks
2007 B. Sc. (Physics) from L. N. Mithila University, Darbhanga, Bihar, India and secured 62.5% marks
2004 12th from Bihar Intermediate Examination Council, Patna, Bihar, India and secured 64.1% marks
2002 10th from Central Board of Secondary Education, New Delhi and secured 45% marks

PROFESSIONAL EXPERIENCE

January 2019-continuing: Guest Faculty in Physics Dept; C. M. Science College, Darbhanga, Bihar
Subjects: Physics
Session 2017-2019: Guest Faculty in Polytechnic College, Darbhanga, Bihar
Subjects: Physics & Applied Science
Session 2013-2014: Guest Faculty in Community College (C. M. Science College), Darbhanga, Bihar
Subjects: Electronics and Optical Communication in Mobile Communication

LIFETIME MEMBERSHIP

1. The Indian Science Congress Association, Kolkata- 700017.
(Membership No.- L 37363)
2. Eudoxia Research University, New Castle, USA
(Membership No.- ERU/FMERU/2023/498)

AWARDS & WORKSHOP

1. Dr. A. P. J. Abdul Kalam Award for Innovative Academic Research- 2025
2. International Royal Golden Award in the field of science (Physics)- 2024
3. International Workshop on Research Manuscript Drafting & Patent Filing Process (WOMAP 2024)

PUBLICATIONS (Book)

Book Title: An Introduction to Solid State Physics, Co- Author: Dr. Rashmi Rekha, 1st Edition: MARCH- 2023, ISBN: 978-93-5470-667-7, Publisher: SWARANJALI PUBLICATION, GHAZIABAD, UTTAR PRADESH, INDIA.

E- BOOK PUBLICATION (Self- Profile)

Profile published in the e- book (online) GOLDEN AWARD BOOK 2024, Edition: Volume- 1, December 2024
Published by: Research Beacon Publication, India ISBN: 978-81-982888-3-7

PUBLICATIONS (Book chapters)

1. Chapter Title: Breast Cancer and Its Realisation, pp. 19-30, Published: JUNE- 2020, Book Title: COMPUTERS AND THE EVOLUTION OF PHYSICS, ISBN: 978-1-71685-618-1, Publisher: KRIPA-DRISHTI PUBLICATION, PUNE, MAHARASHTRA, INDIA.
2. Chapter Title: Cyber Security and Risk Management within the Digital Transformation Age, pp. 39-46, Published: JUNE- 2020, Book Title: COMPUTERS AND THE EVOLUTION OF PHYSICS, ISBN: 978-1-71685-618-1, Publisher: KRIPA-DRISHTI PUBLICATION, PUNE, MAHARASHTRA, INDIA.
3. Chapter Title: Digital Ecosystems Clouds: Opportunity for Community Cloud Computing Published: MAY- 2020, Book Title: SMART TECHNOLOGIES IN SUSTAINABLE DEVELOPMENT, ISBN: 978-93-90188-08-6, Publisher: ESN PUBLICATIONS, CHENNAI, TAMILNADU, INDIA.

PUBLICATIONS (Journals)

1. Title- "The Role of Optical Fiber in Communication System", Journal of Emerging Technologies and Innovative Research- JETIR (An International Open Access Journal), An ISSN & UGC Approved, International peer reviewed & refereed journal, pp. h40-h42, Volume- 12, Issue- 07, July 2025, ISSN: 2349-5162, Impact Factor: 7.95
2. Title- "An Functions of Laser Technology in Human Existence: An Overview", International Journal of All Research Education and Scientific Methods- IJARESM, (An ISO & UGC Certified, International peer reviewed & refereed journal) pp. 2967-2971, Volume- 12, Issue- 11, November 2024, ISSN: 2455-6211, Impact Factor: 8.536
3. Title- "An Investigation of Reconfigurable Antenna to Determine their Range of Uses", International Journal of Creative Research Thoughts- IJCRT, (International peer reviewed & refereed journal) pp. a443-a446, Volume- 11, Issue- 08, August 2023, ISSN: 2320-2882, Impact Factor: 7.97
4. Title- "Ultrasonography of Breast for The Breast Cancer Detection", International Journal of Novel Research and Development- IJNRD, (International peer reviewed & refereed journal) pp. a683-a685, Volume- 08, Issue- 01, January 2023, ISSN: 2456-4184, Impact Factor: 8.76
5. Title- "Comparative Study of Dielectric Properties of Healthy and Malignant Tissues of Breast Fantom", International Journal of Emerging Technologies and Innovative Research- JETIR (UGC Approved), pp. 2127-2130, Volume- 07, Issue- 10, October 2020, ISSN: 2349-5162, Impact Factor: 5.87
6. Title- "Microwave Technology as ICT Tool for Analysis of Breast Tumour", International Journal of Research and Analytical Reviews- IJRAR (UGC Approved), pp. 256-258, Volume- 07, Issue- 02, May 2020, E- ISSN: 2348-1269, P- ISSN: 2349-5138, Impact Factor: 5.75
7. Title- "Artificial Intelligence (AI) and It's Effective Networking for Early Stage Breast Tumor Detection", International Journal of Emerging Technologies and Innovative Research- JETIR (UGC Approved), pp. 132-135, Volume- 06, Issue- 06, June 2019, ISSN: 2349-5162, Impact Factor: 5.87
8. Title- "Early Stage Breast Tumor Reporting with Application To Dielectric Properties of The Malignancy", Review of Research (UGC Approved), pp. 65-68, Volume- 08, Issue- 09, June 2019, ISSN: 2249-894X, Impact Factor: 5.7631(UIF)
9. Title- "Early Stage Detection of Breast Tumor by Microwave Technology", Review of Research (UGC Approved), pp. 11-16, Volume- 08, Issue- 07, April 2019, ISSN: 2249-894X, Impact Factor: 5.7631(UIF)

10. Title- "Studies on Microwave Imaging for Breast Cancer Detection", Review of Research (UGC Approved), pp. 37-38, May 2016, ISSN: 2249-894X, Impact Factor: 5.2331(UIF)
11. Title- "Tumor Detection by Microwave Techniques", Physical & Environmental Science Bulletin, vol. 2, number 1, pp. 11-14, May 2014, ISSN: 2347-4866
12. Title- "Analysis of Antenna Spacing on the Capacity of Correlated MIMO Fading Channels", The Indian Journal of Research- Anvikshiki, vol. 06, number 05, pp. 41-42, September – October 2012, ISSN: 0973-9777
13. Title- "Study of Resistivity of Ferromagnetic Material on Electronic Spin", The Indian Journal of Research- Anvikshiki, vol. 34564, Reg. 533/2007-08, pp. 57-60, July-August 2011, ISSN: 0973-9777

SOUVENIR (Conferences/Seminars)

1. "Dielectric Materials with Applications to Microwave", In Association with Vinayam Research Association, Dhanbad- Jharkhand, Multidisciplinary International Seminar, Souvenir: pp. 11, 26th -27th September 2025, Organized by Department of Physics, C. M. Sc. College, Darbhanga, Bihar
2. "Artificial Intelligence and Its Impact on Higher Education", In Association with Vinayam Research Association, Dhanbad- Jharkhand, Multidisciplinary National Seminar, Souvenir: pp. 61, 29th -30th April 2025, Organized by M. L. S. M. College, Darbhanga, Bihar
3. "Vedas and Other Ancient Philosophies for Betterment of Society", In Association with Vinayam Research Association, Dhanbad- Jharkhand, Multidisciplinary International Seminar, Souvenir: pp. 05, 19th -20th December 2024, Organized by Department of Physics, C. M. Sc. College, Darbhanga, Bihar
4. "Breast Cancer: An Overview", In Association with Vinayam Research Association, Dhanbad- Jharkhand, Multidisciplinary National Seminar, Souvenir: pp. 05, 09th -10th October 2023, Organized by Department of Physics, C. M. Sc. College, Darbhanga, Bihar
5. "Study of some Reconfigurable Antennas for their Multifunctionality", International Conference, E- Souvenir: 21st - 22nd February 2023, Organized by University Department of Physics, L. N. M. University, Darbhanga, Bihar
6. "Analysis of Non- Linearity in Optical Fiber Communication", In Collaboration with Indian Science Congress Association (ISCA), Patna Chapter, ISBN: 978-81-963779-0-8, International Seminar, Souvenir: pp. 42, 09th -10th February 2023, Organized by Department of Physics, MLS College, Sarisab Pahi, Madhubani, Bihar
7. "Spread of Breast Cancer", In Association with National Vocational Training and Technology Research Institute, Jharkhand, ISO 9001-2015 Certified Organisation, TRD Sponsored Multidisciplinary International Seminar, Souvenir: pp. 53, 08th -09th July 2022, Organized by Tarar College Tarar, Bhagalpur, Bihar
8. "Basics of Information Technology for Everyday Life", In Association with TOUCAN Research and Development, Karnataka, ISO 9001-2015 Certified Organisation, Multidisciplinary National Seminar, Souvenir: pp. 84, 11th -12th December 2021, Organized by University Department of Mathematics, Tilka Manjhi Bhagalpur University, Bhagalpur, Bihar
9. "Studies on Breast Cancer: It's Causes and Treatment Methodology", ICSRD Sponsored International Seminar, Souvenir: pp. 38, ISBN 819429526-2, 29th Feb.-1st March 2020, Organized by Marwari College, Bhagalpur, Bihar
10. "Digital Ecosystems Clouds: Opportunity for Community Cloud Computing", 107th Indian Science Congress (ISC) Conference, Abstracts: pp. 84, sec. VIII, Information and Communication Science & Technology (Including Computer Sciences), 3-7 Jan. 2020, University of Agricultural Sciences, Bangalore, Karnataka
11. "Application of Microwave Technology as ICT Tool for Early Stage Breast Tumour Detection", 106th Indian Science Congress (ISC) Conference, Abstracts: pp. 57-58, sec. VIII, Information and Communication Science & Technology (Including Computer Sciences), 3-7 Jan. 2019, Lovely Professional University, Phagwara, Jalandhar
12. "Green Computing for Management of Energy", 104th Indian Science Congress (ISC) Conference, Abstracts: pp. 80, sec. VIII, Information and Communication Science & Technology (Including Computer Sciences), 3-7 Jan. 2017, S. V. University, Tirupati

13. "Implementation and Analysis Of A Dual Band Stacked Dielectric Resonator Antenna for Wireless Communication Systems", 104th Indian Science Congress (ISC) Conference, Abstracts: pp. 60-61, sec. XIII, Physical Sciences, 3-7 Jan. 2017, S. V. University, Tirupati
14. "Digital Ecosystems Clouds: Opportunity for Community Cloud Computing (CCC)", 103rd Indian Science Congress (ISC) Conference, Abstracts: pp. 72, sec. VIII, Information and Communication Science & Technology (Including Computer Sciences), 3-7 Jan. 2016, University of Mysore, Mysore
15. "Microwave Techniques for Breast Cancer Detection", 100th Indian Science Congress (ISC) Conference, Abstracts: pp.no. 473-474, sec. XI, Proc. Medical Science, 3-7 Jan. 2013, Calcutta University, Kolkata
16. "Performance of Bandwidth Enhancement Techniques on Co-axial Probe fed Dielectric Resonator Antenna", 100th Indian Science Congress (ISC) Conference, Abstracts: pp.no 123, sec. XIII, Proc. Physical Science, 3-7 Jan. 2013, Calcutta University, Kolkata
17. "Compact Dielectric Resonator Antennas with Broadband Application", 100th Indian Science Congress (ISC) Conference, Abstracts: pp.no. 121, Proc. Engineering Science, 3-7 Jan. 2013, Calcutta University, Kolkata

CONFERENCES/ SEMINARS ATTENDED

- Fourth International conference on Multidisciplinary Research Trends in European, Asian and African Countries 2025 (IRTEC 4.0), Organised by: Eudoxia Research University, New Castle, USA & Eudoxia Research Centre, India. 30 – 31 October 2025
- Multidisciplinary International Seminar on Artificial Intelligence: Recent Trends and Future Implications (AIRTFI 2025), In Association with: Vinayam Research Association, Dhanbad, Jharkhand, Organised by: Department of Physics, C. M. Sc. College, Darbhanga, Bihar, 26 – 27 September 2025
- International conference on Research Progressive Research in Humanities, Society and Emerging Methodologies (HORIZON 2025), Organised by: Eudoxia Research University, New Castle, USA & Eudoxia Research Centre, India. 30 – 31 July 2025
- Multidisciplinary National Seminar on Artificial Intelligence (AI) and Sustainable Development (AISD 2025), In Association with: Vinayam Research Association, Dhanbad, Jharkhand, Organised by: M. L. S. M. College, Darbhanga, Bihar, 29 – 30 April 2025
- International conference on Research Methodology for Qualitative and Quantitative Research (COM 5.0), Organised by: Eudoxia Research University, New Castle, USA & Eudoxia Research Centre, India. 28 – 29 March 2025
- International conference on New Frontiers in Engineering, Science, Law, Management, Humanities and Social Sciences (INFES 7.0), Organised by: Eudoxia Research University, New Castle, USA & Eudoxia Research Centre, India. 30 – 31 January 2025
- Multidisciplinary International Seminar on Science, Technology, Social Science in Vedas and other Philosophies (STSVP 2024), In Association with: Vinayam Research Association, Dhanbad, Jharkhand, Organised by: Department of Physics, C. M. Sc. College, Darbhanga, Bihar, 19 – 20 December 2024
- International conference on Recent Trends in Multidisciplinary Research (ICROM 3.0), Organised by: Eudoxia Research University, New Castle, USA & Eudoxia Research Centre, India. 26 – 27 April 2024
- International conference on Multidisciplinary Research Trends in European, Asian & African Countries (IRTEC 2.0), Organised by: Eudoxia Research University, New Castle, USA & Eudoxia Research Centre, India. 18 – 19 January 2024
- Multidisciplinary National Seminar on Role of ICT in Multidisciplinary Research (RIMR 2023), In Association with: Vinayam Research Association, Dhanbad, Jharkhand, Organised by: Department of Physics, C. M. Sc. College, Darbhanga, Bihar, 09 – 10 October 2023
- International Conference on Recent Advances in Nanoscience, Nanotechnology and Advanced Functional Materials (RANNAFM 2023), Organised by: University Dept. of Physics, Lalit Narayan Mithila University, Darbhanga, Bihar, 21 – 22 February 2023

- International Seminar on Atomic Process, Laser, Nano Material & Terahertz Technology for Optical Fiber Communication (LNTOFC 2023), In Collaboration with: Indian Science Congress Association (ISCA), Patna Chapter, Organised by: Dept. of Physics, MLS College, Sarisab Pahi, Madhubani, Bihar, 09 – 10 February 2023
- TRD Sponsored Multidisciplinary International Seminar on Innovative Perspectives of Raising Scientific Research System in India (IPRSRSI 2022), In Association with: National Vocational Training and Technology Research Institute, Jharkhand, Organised by: Tarar College Tarar, Bhagalpur, Bihar, 08 – 09 July 2022
- Multidisciplinary National Seminar on Mathematical Modeling for Global Issues in Fundamental and Applied Research for Different Disciplines (MMGFARD 2021), In Association with: TOUCAN Research and Development, Bengaluru, Karnataka, Organised by: University Department of Mathematics, Tilka Manjhi Bhagalpur University, Bhagalpur, Bihar, 11 – 12 December 2021
- International Seminar on Statistical Data and International SWOT Analysis in Academic Research in Science and Technology, Sponsored by: ICSRD, Organised by: Marwari College- Bhagalpur, Bihar, 29 Feb.-01 March, 2020
- 107th Indian Science Congress Association (ISCA) Conference, University of Agricultural Sciences, Bangalore, Karnataka, 3-7 Jan; 2020
- National Seminar on Frontier Areas in Atomic and Materials Research, University Dept. of Physics, B. R. A. Bihar University, Muzaffarpur, Bihar, 24 August, 2019
- 106th Indian Science Congress Association (ISCA) Conference, Lovely Professional University, Phagwara-Jalandhar, Panjab, 3-7 Jan; 2019
- National Seminar on Nanoantenna and Its Application, Sponsored by: University Grants Commission- Kolkata, Organized by: Dept. of Physics, M. G. College- Darbhanga, Bihar, 30-31 May, 2019
- 104th Indian Science Congress Association (ISCA) Conference, S. V. University, Tirupati, Andhra Pradesh, 3-7 Jan; 2017
- 103th Indian Science Congress Association (ISCA) Conference, University of Mysore, Karnataka, 3-7 Jan; 2016
- 100th Indian Science Congress Association (ISCA) Conference, Calcutta University, Kolkata, West Bangal, 3-7 Jan; 2013
- National Seminar on Emerging Trends of Dielectric Resonator Antenna-Its past and Future, Organized by: Research Laboratory, Dept. Of Physics, C. M. Science College, Darbhanga, Bihar, 13-15 March, 2012
- National Seminar on NANO Materials and NANO Antenna, Organized by: Deptt. Of Physics, C. M. Science College, Darbhanga, Bihar, 20-21 April, 2012
- National Seminar on Emerging Trends of Science and Technology for Socio-Economic Development, Organized by: Research Laboratory, Dept. Of Physics, C. M. Science College, Darbhanga, Bihar, 28 February, 2011
- National Seminar on Emerging Trends of Software's (P-Spices) Circuit Simulation in Active DRA's (Dielectric Resonator Antennas), Organized by: Research Laboratory, Dept. Of Physics, C. M. Science College, Darbhanga, Bihar, 14 November, 2009

PERSONAL DETAILS

Date of Birth : December 1986
 Marital Status : Married
 Strengths : Friendly and keen observer, Quick learner
 Hobbies : Teaching, Listening Music
 Languages Known : English, Hindi
