

Dr. RASHMI SAINI

Assistant Professor

Department of Zoology
Gargi College
University of Delhi
Siri-Fort Road
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PROFESSIONAL EXPERIENCE

- 2015- Present Assistant Professor, Department of Zoology,**
Gargi College, University of Delhi, Delhi, India.
- 2013-2015 Assistant Professor, Department of Zoology, School of Biological Sciences,**
Dr. Harisingh Gour Central University, Sagar (MP), India.
- 2011-2013 Research Associate, Department of Radioprotective Drug Development Research**
Institute of Nuclear Medicine and Allied Sciences (INMAS)
Defence Research & Development Organization (DRDO), New Delhi, India
- 2010-2011 Postdoctoral Researcher, Molecular Biology Laboratory**
Centre of Hematology and Hemotherapy (HEMOCENTRO),
University of Campinas (UNICAMP), Sao Paulo, Brazil
- 2001-2001 Project Affiliate, Immunotoxicology**
Indian Institute of Toxicology Research (CSIR-IITR), Lucknow, India

EDUCATIONAL TRAINING

- 2001-2007 *Doctorate of Philosophy, Biochemical Pharmacology (Life Sciences)*
Central Drug Research Institute (CSIR-CDRI), Lucknow, India
Registered at Jawaharlal Nehru University (JNU), New Delhi
- 1998-2000 *Master of Science, Zoology Specialization in Entomology,*
First Division (Top Rank in University)
University of Lucknow, Lucknow (U.P), India
- 1995-1998 *Bachelor of Science (Zoology, Botany & Chemistry),*
First Division, University of Lucknow, Lucknow (U.P), India

AWARDS AND HONORS

- 2022 *Certificate for Excellence in Reviewing from Journal of Pharmaceutical Research International.*
- 2021 **Women Researcher Award** in the International Scientist Awards on Engineering, Science and Medicine, organized by VDGGOOD Professional Association, Salem India, 8-9 Jan, 2021
- 2020 **InSc Research Excellence Award- 2020** by Institute of Scholars, an ISO certified Institute by International Accurate Certification, accredited by UASL
- 2020 **Edge India Times Award-2020, Honor of Excellence in Teaching (5 star)** by Edge India Publications.

- 2020 **Edge India Times Award-2020, Honor of Excellence in Research (5 star)** by Edge India Publications.
- 2014 **Best poster Award** in International Conference on Energy Environment & Life Science for Sustainable Future (ICEELSSF) & National Science Day Celebration, 28 Feb - 1 March, 2014 at Swami Vivekanand University, Sagar (MP), India.
- 2013 **DRDO: Laboratory technology group award- 2013** for significant contribution towards “Development of safe radioprotector for human application” Ministry of Defence, Defence Research and Development Organisation, New Delhi
- 2010-2012 Post Doctoral Research Fellowship sponsored by FAPESP- The State of Sao Paulo Research Foundation at Center of Hematology and Hemotherapy (HEMOCENTRO), University of Campinas (UNICAMP), Campinas, Sao Paulo, Brazil.
- 2007 Best Poster Award by Emerging Trends in Free Radical and Antioxidant Research: Third Meeting Of the Society for Free Radical Research -Asia (SFRR-Asia) & Sixth annual meeting of The society of Free Radical Research (SFRR) Lonavala, India, 2007.
- 2003-2006 Senior Research Fellowship (SRF), CSIR, New Delhi, India
- 2001-2003 Junior Research Fellowship (JRF), CSIR, New Delhi, India
- 2001 Qualified National Eligibility Test (NET-JRF), UGC-CSIR, New Delhi, India
- 2000 University Top Rank Holder 2000 in MSc. Zoology, University of Lucknow, Lucknow

PUBLICATIONS

1. Nityanand Srivastava, Salman S Usmani, Rajasekaran Subbarayan, **Rashmi Saini**, Pranav K. Pandey. Hypoxia: syndicating triple negative breast cancer against various therapeutic regimens. *Frontiers in Oncology*, Volume 13, 2023. <https://doi.org/10.3389/fonc.2023.1199105>
2. Anand Varma, Ashish Warghane, Neena K. Dhiman, Neha Paserkar, Vijay Upadhye, Anupama Modi and **Rashmi Saini***. The role of nanocomposites against biofilm infections in humans. *Frontiers in Cellular and Infection Microbiology*, 28 February 2023 Sec. Clinical Microbiology, Volume 13, 2023. <https://doi.org/10.3389/fcimb.2023.1104615>
3. Ishu Priya, **Rashmi Saini***, Mohammad I. Ali. Identification of Gram negative bacterium *Candidatus liberibacter asiaticus* (Clas) causing Citrus Greening Disease by Multicopy gene. *Indian J. Applied & Pure Bio.* Vol. 38(2), 901-907 (2023). ISSN: 0970-2091
4. **Rashmi Saini**, Himaani Mehra, Tanisha Goyal and Neena K Dhiman. Dietary antioxidants and their potential role in human disease management. *Current Nutrition and Food Science* (ISSN-2212-2881), 19(3), 262- 281, 2023. doi: 10.2174/1573401318666220520151057
5. **Rashmi Saini** and Neena K Dhiman. Natural Anti-Inflammatory and Anti-Allergy Agents: Herbs and Botanical Ingredients. *Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry* (ISSN 1871-5230), 21 (2), 90-114. 2022, PMID: 35410623. doi:10.2174/1871523021666220411111743.
6. **Rashmi Saini** and Neena K Dhiman. Assessing the potential of phytochelators in reducing heavy metal water poisoning. *Vigyan Prakash: Research Journal of Science & Technology*, 19(4), 40-46, 2021.
7. **Rashmi Saini**, Zafar Azam, Leena Sapra, RK Srivastava. Neuronal nitric oxide synthase (nNOS) in neutrophils: an insight. *Reviews of Physiology, Biochemistry and Pharmacology*, Springer Publication, 180, 49-83, 2021.

8. **Rashmi Saini** and Sarika Singh. *Inducible Nitric Oxide Synthase: An asset to Neutrophils. Journal of Leukocyte Biology, 105 (1), 49-61, 2019.*
9. **Rashmi Saini.** *Nitric oxide (NO): Implications on fertilization potential of Spermatozoans. ISSRF Newsletter 24, 93-95, 2019. ISSN2395-2806, 2019.*
10. Neena K. Dhiman, Anjali Deswal, Dharvi Mahajan, Shashi Tyagi and **Rashmi Saini.** *Assessing the effectiveness of Coriander sativum, Mentha piperita and Thinopyrum intermedium in remediation of waters with heavy metal toxicity. International Journal of Current Research, 11(4) 2995-2998, 2019.*
11. Neena Kumar, Dharvi Mahajan, Anjali Deswal and **Rashmi Saini.** *Qualitative Assessment of Physicochemical Parameters of Harvested Rainwater in different regions of National Capital Territory (NCT) and NCR. Peripex: Indian Journal of Research, 7 (10) 474-475, 2018.*
12. Neena Kumar, **Rashmi Saini,** Khushboo Chaudhary, Muskaan Bansal, Kanika and Namrata Pandey. *Correlation between toxic stress by heavy metal toxicants and periphytic protozoan colonization rates. International Journal of Advanced Research, 5 (5), 529-534, 2017.*
13. **Rashmi Saini** and Neena Kumar. *Global Climate Change and Aquatic Ecosystem: Potential Impacts and Challenges. International Journal of Current Research 9(8), 56336-56342, 2017.*
14. Neena Kumar and **Rashmi Saini.** *Post-Disaster Epidemics: Possibilities and Prevention. Paripex: Indian Journal of Research (PIJR), 6(7), 22-25, 2017.*
15. **Rashmi Saini,** Shilpy Shakya. *Herbs and botanical ingredients with beneficial effects on blood sugar levels in pre-diabetes. Herbal Medicine. iMedPub Journals. Vol 2(1), 1-11, 2016.*
16. Savita Verma, Bhargab Kalita, **Rashmi Saini** and Manju L Gupta. *Ameliorative effects of active principles of Podophyllum hexandrum against ionizing radiation induced oxidative stress in liver and lung tissues of Strain „A” mice. Oxid. Antioxid. Med. Sci. 3(1), 51-64. ISSN- 2146-8389, 2014.*
17. **Rashmi Saini,** Savita Verma, Abhinav Singh and Manju L Gupta. *Role of active principles of Podophyllum hexandrum in amelioration of radiation mediated lung injuries by ROS/RNS reduction. CellBio, 2, 105-116, 2013.*
18. Rohit Saluja, **Rashmi Saini,** V.K. Bajpai, and M. Dikshit. *Ultrastructural localization of nitric oxide synthase isoforms in rat and human eosinophils. Cell and Tissue Research 340, 381-388, 2010.*
19. **Rashmi Saini,** S Patel, R Saluja, A. A. Sahasrabudhe, M. P. Singh, S. Habib, V. K. Bajpai, and M. Dikshit. *Nitric oxide synthase localization in the rat neutrophils: immunocytochemical, molecular and biochemical studies. Journal of Leukocyte Biology 79, 519-528. (IF- 4.99) ISSN- 1938-3673, 2006.*
20. **Rashmi Saini,** V.K. Bajpai, and M. Dikshit. *Characterization and localization of nitric oxide synthase in rat polymorphonuclear leukocytes. Natural Antioxidants and Micronutrients, 67-71, 2005.*
21. Prashant Sharma, S.A.V. Raghavan, **Rashmi Saini** and Madhu Dikshit. *Ascorbate-mediated enhancement of reactive oxygen species generation from polymorphonuclear leukocytes: modulatory effect of nitric oxide. Journal of Leukocyte Biology, 75, 1070-1078, 2004.*

BOOK CHAPTERS :

1. Ashish Warghane, **Rashmi Saini**, Neena Dhiman, Khushdil Khan, Meena Koche, Aditya Sharma, R.M. Gade, Prakash Halami, Arunava Das. Value-Addition in citrus processing industry waste through enzyme technology. In- Value-Addition in Agri-Food Industry Waste Through Enzyme Technology. Elsevier Publication (ISBN- 978-0-323-89929-1), 2023.
2. Ishu priya, Mohammad I. Ali, **Rashmi Saini***. Detection of pathogen *Candidatus Liberibacter asiaticus* (CLas) causing Citrus Greening Disease by gene primer method. In- Recent Research in Medical and Life Sciences, MKSES Publications (ISBN: 978-93-91248-77-2), Chapter 6, 79-85, 2023.
3. **Rashmi Saini**, Shilpy Shakya, Neena K Dhiman. Potential of Herbs and Spices to prevent progression to diabetes by impacting Pre-diabetic Blood Sugar Levels. In Role of Medicinal Plants in Health Care. RP Publications, Delhi, (ISBN-978-93-91580-24-7), 2022.
4. **Rashmi Saini**. Impacts of Climate Change on Aquatic Ecosystems. Book: **Climate Change and Disaster Management**. Centre for Professional Development in Higher Education UGC-HRDC, University of Delhi, New Delhi. Chapter 25, 253-261. ISBN: 978-81-934519-5-3, 2017.
5. **Rashmi Saini** and Sachin L. Badole. Bioactive Compounds Increase Incretins with Beneficial Effects on Diabetes. Book: **Glucose Intake and Utilization in Pre-Diabetes and Diabetes: Implications for Cardiovascular Disease**. Editors: Ronald Ross Watson and Betsy B. Dokken, Academic Press Elsevier Publication, Chapter 28, 349-353. ISBN: 978-0-12-800093-9, 2015.
6. **Rashmi Saini**, Badole SL, Zanzwar A. L-Arginine derived Nitric oxide: Key to Healthy Skin. Bioactive Dietary Factors and Plant Extracts in Preventive Dermatology, Editors: Ronald Ross Watson and Sherma Zibadi, New York. Springer press publisher, Chapter 8, 73-82. ISBN: 1627031669, 2013.
7. **Rashmi Saini**, Badole SL, Zanzwar A. Ascorbic Acid (Vitamin C): Antioxidant involved in treatment of skin cancer. Bioactive Dietary Factors and Plant Extracts in Preventive Dermatology, Editors: Ronald Ross Watson and Sherma Zibadi, New York. Springer press publisher. Chapter 6, 61-66. ISBN: 1627031669, 2013.
8. Zanzwar A, Badole SL and **Rashmi Saini**. Role of *Embllica officinalis* in prevention of skin diseases. Bioactive Dietary Factors and Plant Extracts in Preventive Dermatology, Editors: Ronald Ross Watson and Sherma Zibadi, New York. Springer press publisher. Chapter 40, 439-444. ISBN: 1627031669, 2013.
9. Zanzwar A, Badole SL and **Rashmi Saini**. *Withania somnifera*, use for skin disease. Bioactive Dietary Factors and Plant Extracts in Preventive Dermatology, Editors: Ronald Ross Watson and Sherma Zibadi, New York. Springer press publisher. Chapter 47, 487-491. ISBN: 1627031669, 2013.
10. **Rashmi Saini**, Madhumita Chatterjee, and Madhu Dikshit. Neutrophil nitric oxide synthase: functional, biochemical and molecular perspective. Current Trends in Pharmacology. Editors: A. Ray & K. Gulati. IK International, New Delhi. Chapter 22, 327-365. ISBN: 9788188237777, 2006.

PATENTS

Patent Granted

- “Flexible Mice Restainer For Hind Limb Tumor Radiation Exposure” Indian Patent Office, Intellectual Property Agency, New Delhi INDIA. Patent Application No. 2634/DEL/2013 Dt. 23 Sep 2013, Patent File No 255713, PATENT Publication: 13.03.2015. Patent No.427549

Patents Filed

- Patent Application No. TEMP/E1/41999/2023-DEL, Dt. 29 May 2023, Patent File No – 202311036860, Indian Patent Office, Intellectual Property Agency, New Delhi, India.
- Patent Application No. TEMP/E1/21936/2023-DEL, Dt. 19 Mar 2023, Patent File No– 202311018671, Indian Patent Office, Intellectual Property Agency, New Delhi, India.
- Design Application No. 390729-001, Dt. 20 July, 2023, Indian Patents and Design Office (IPO), Govt. of India, India.

ABSTRACTS PUBLISHED IN JOURNALS

- Ishu Priya, Mohammad I. Ali, **Rashmi Saini***. Assessing the potential of *Tinospora cordifolia* in the regulation of the life cycle and mortality rate of *D.citri*. Proceedings of 63rd Annual International Conference of Association of Microbiologists of India (AMI) Microbial Technologies for sustainable Biosphere (MICROBIO TECH-2023) conducted by Maharishi Dayanand University Rohtak (Haryana), 2-4 Feb, Pg. 381, 2023.
- **Rashmi Saini**. Hydroxyurea Augments Endothelial Nitric oxide Synthase (eNOS) mediated nitric oxide (NO) production and decreases Reactive Oxygen Species (ROS) generation in murine Aortic Endothelial Cells (MAECs) of Sick Transgenic Cell mice. 5th Annual Meeting of the International Academy for Clinical Hematology (IACH), 22-24 Sept, 2022
- Ishupriya, Ashish Warghane, **Rashmi Saini***. Management of Citrus Greening Disease by disruption of multitrophic host vector pathogen interaction by *Tinospora cordifolia*. Proceedings of 62nd Annual International Conference based on Theme: Microbiology and Society-Current trend and future prospects (MSCTFP- 2022), University of Mysore, 21-23 Sept. 2022.
- **Rashmi Saini** and Neena Kumar (2016). Correlation of Toxic Stress by Lead and Cadmium on Periphytic ciliate Colonization rates. The Indian Science Congress Association (ISCA- Sagar Chapter). Proceeding of The National Seminar on Science and Technology for National Development. Sept 23-24, 14.
- Neena Kumar, **Rashmi Saini**, Khushboo Choudhary, Muskan Bansal, Kanika and Namrata Pandey (2016) Study of Impact of Toxic Stress on Population Colonization Rates in Fresh Water Protozoans. National Conference on Combating Industrial Pollution for Sustainable Environment (CIPSE-2016), Sept 22-23, 66.
- **Rashmi Saini**. (2016) Effects of Antioxidants on Oxidative-Nitrosative Stress Mediated Pathophysiology of Diabetes. National Seminar on Recent Initiatives in Higher Education, Feb 20-21, 41-42.

- *Satyaprakash Beraiya and Rashmi Saini. Modulation of the Intracellular compartmentalization of Nitric Oxide Synthase Isoforms in the Sick cell disease by Hydroxyurea Therapy. International Conference on Energy Environment & Life Science for Sustainable Future (ICEELSSF) & National Science Day Celebration, at Swami Vivekanand University, Sagar (MP), India. 28 Feb - 1 March, 2014*
- *Rashmi Saini, Savita Verma, Manju L Gupta (2012). Restoration of radiation inflicted damage to pulmonary system of mice by Podophyllum hexandrum mediated reactive nitrogen species (RNS) reduction. Cancer Research and Therapeutics, 8(3), 494. (IF- 0.6) ISSN- 0793-1483*
- *Savita Verma, Rashmi Saini, Manju L Gupta (2012). Ameliorative effects of Podophyllum hexandrum on radiation inflicted injuries to hematopoietic system of mice. Cancer Research and Therapeutics, 8(3), 494. ISSN- 0793-1483*
- *Rashmi Saini, Nicola Conran, Fernando F. Costa (2011) Effect of Tetrahydrobiopterin on real time Nitric Oxide (NO) and Reactive Oxygen Species (ROS) generation in neutrophils of Sick cell disease patients with and without hydroxyurea therapy. Hematologica, 96 (2), 302.(IF- 6.5) ISSN- 1592-8721*
- *Sachin Kumar, Rashmi Saini, and Madhu Dikshit. Status of nitric oxide synthase in bone marrow neutrophils during maturation and their correlation with free radical generation. Emerging Trends in Free Radical and Antioxidant Research: Third Meeting of the Society for Free Radical Research -Asia (SFRR-Asia) & Sixth annual meeting of Society for Free Radical Research-India (SFRR-India), Lonavala, India. Jan 8-11, 2007.*
- *Rashmi Shakya, A.A. Sahasrabudhe, V. K. Bajpai and M. Dikshit (2003) Intracellular Localization of Nitric Oxide Synthase in Immature and Mature Rat Neutrophils: A Biochemical and Immunocytochemical study. Medicinal Chemistry Research, 12, 334-335. (IF- 3.16) ISSN- 1554-8120*

RESEARCH PROJECTS

- *Research Project on “Ascorbate mediated defence mechanism of oxidative stress enzymes in E.coli against sulfonyleurea herbicides” under the DBT Star College Scheme, Gargi College, University of Delhi, Delhi. (2019- 2021).*
- *Research Project on “Potential use of Thinopyrum intermedium, Coriander sativum and Mentha piperita for bioremediation of heavy metals contaminated water” under the DBT Star College Scheme, Gargi College, University of Delhi, Delhi. (2017- 2018).*
- *Research Project on “Qualitative assessment of physicochemical parameters of harvested rainwater in different regions of National Capital Territory (NCT) and NCR” under the DBT Star College Scheme, Gargi College, University of Delhi, Delhi. (2016- 2017).*
- *Research Project on “Correlation of toxic stress on population colonization rates in fresh water protozoans” under the DBT Star College Scheme, Gargi College, University of Delhi, Delhi. (2015- 2016).*
- *Research Project on “Studies on modulatory effects of ascorbate on Reactive Nitrogen Species (RNS) mediated pathophysiology of diabetes” UGC-BSR StartUp Grant (6 Lakhs), 2014-2016.*

RESEARCH GUIDANCE

- *Ph.D Co-supervisor of PhD student. Thesis Title “Multicopy nrdB gene mediated molecular detection of Ca. L. asiaticus and its management by controlling Diaphorina citri through Tinospora cordifolia”, 2020- Ongoing.*
- *Mentor, Three students in the Pathfinder Project, Gargi College, Title: Visualize Science: From Theoretical knowledge to Practical Applications, 2021-22.*
- *Research supervision as PI- Two students in the Project “Ascorbate mediated defence mechanism of oxidative stress enzymes in E.coli against sulfonylurea herbicides” under DBT Star College Scheme, 2019- 2021.*
- *Research supervision as PI- Two students in the Project “Potential use of Thinopyrum intermedium, Coriander sativum and Mentha piperita for bioremediation of heavy metals contaminated water” under DBT Star College Scheme, 2017- 2018.*
- *Research supervision as PI- Two students in the Project “Qualitative assessment of physicochemical parameters of harvested rainwater in different regions of National Capital Territory (NCT) and NCR” under DBT Star College Scheme, Gargi College, 2016- 2017.*
- *Research supervision as PI- Four students in the Project “Correlation of toxic stress on population colonization rates in fresh water protozoans” under DBT Star College Scheme, Gargi College, 2015- 2016.*

ADMINISTRATIVE ROLES/EXPERIENCES

Organizing committee member, National Seminar on Use of Scientific & Technical Terminologies in Sustainable Environment development, its challenges, Computational Analysis and Opportunities, Gargi College, University of Delhi.

Organizing Committee member, Symposium- “Wanderers of Nature: Exploring Wildlife” Gargi College, University of Delhi.

Organizing committee member, National Conference on Evolving Trends in Biotechnology, Dr. H. S. Gour Central University.

Organizing committee member, National Symposium on Frontiers in Modern Biology, “Innovations in Science and Technology for Inclusive Development”, Dr. H. S. Gour Central University.

Resource person, Summer Immersion Programme, under DBT Star College Scheme and Department of Zoology, Gargi College, University of Delhi.

Session Chairperson, National Seminar on Use of Scientific & Technical Terminologies in Sustainable Environment development, its challenges, Computational Analysis and Opportunities, Gargi College, University of Delhi.

Session Chairperson (Scientific programme: Technical Session II) at the National Seminar on Science and Technology for Human Development jointly organized by The Indian Science Congress Association (ISCA) & Department of Biotechnology, Dr. Harisingh Gour Central University.

Teacher Mentor, Undergraduate students, Gargi College, University of Delhi.

Coordinator of Intercollegiate Biotechnology Competitive Event, Department of Biotechnology, Dr. H. S. Gour Central University.

Course Coordinator, Elective Course: *Free radicals, Oxidative stress and Antioxidants*, Dr. H. S. Gour Central University & **Skill Enhancement Courses (SEC):** *Medical Diagnostics & Research Methodology*, Gargi College, University of Delhi.

Teacher In-Charge, “Confocal Microscope facility” under Central Instrument Facility (CIF) programme, Dr. H. S. Gour Central University.

Member, Expert committee Central Instrument Purchase Committee, Dr. H. S. Gour Central University.

Member, Admission Committee-2016 (BSc Life Sciences) Gargi College, University of Delhi.

Member, Placement and Career Counselling Committee (Placement Cell), Gargi College, University of Delhi.

Member, Office Bearer Committee, Department of Zoology, Gargi College, University of Delhi.

Member, Creative writing (Hindi) Committee, Gargi College, University of Delhi.

Member, NSS, Gargi College, University of Delhi.

Member, Departmental Undergraduate Graduate Committee, Department of Zoology, Dr. H. S. Gour Central University.

MEMBERSHIPS/EDITORIAL BOARDS/REVIEWER

- **Professional Life time Membership**, InSc-Institute of Scholars, an ISO certified Institute by International Accurate Certification, accredited by UASL
- **Member**, VDGOD Professional Association, 2021-2022.
- **Editorial Board Member**, Science publishing group, American Journal of Biomedical and Life Sciences (AJBLS), New York, U.S.A.
- **Editor**, Indian Adaptation of Gene Cloning and DNA Analysis: An Introduction by T. A. Brown, 2022.
- **Content Editor**, International Journal of Microbial Science, 2021- 2022.
- **Reviewer**, Current Medicinal Chemistry, Bentham Science Publishers.
- **Reviewer**, Pulsus Journals: Journal of Analytical Toxicology and Applications.
- **Reviewer**, Journal of Institute of Scholars (InSc)-International Journal of Basic and Applied Sciences.
- **Member** of Society of Leukocyte Biology (SLB), Bethesda, USA.
- **Lifetime Membership** of Indian Science Congress Association (ISCA), Delhi.
- **Fellowship**, International Asian Zoology Research (F.I.A.Z.R)
- **Fellowship**, Scientific Research and Development (F.S.R.D)

INVITED TALKS

- *Lecture Delivered “Role of Nitric oxide Biology in the blood cell functions” in the National Seminar on Innovations and Upcoming Opportunities in Life Sciences (IUOLS-2022) organized by Faculty of Life Sciences, Mandsaur University, Mandsaur, M.P., Oct 15, 2022.*
- *Lecture Delivered “Correlation of Toxic Stress by Lead and Cadmium on Periphytic ciliate Colonization rates” in The National Seminar on Science and Technology for National Development. The Indian Science Congress Association –Sagar Chapter at Dr. Harisingh Gour University, Sagar, M.P. Sept 24, 2016.*
- *Invited Lecture “Amelioration of Nitric oxide (NO) bioavailability after hydroxyurea treatment in explants culture of murine aortic endothelial cells (MAEC) of Sickle Transgenic Cell mice” National Conference On Evolving Trends in Biotechnology Department of Biotechnology, Dr. Harisingh Gour Central University, Sagar, MP*

CONFERENCES/ SEMINARS/WORKSHOPS/OTHER COURSES (Previous 5 yrs)

- Participated in National e-Workshop on Innovation & Intellectual Property Rights (NeW IPR-2023) Innovative Technology Enabling Centre- InTEC, CSIR- Institute of Minerals and Materials Technology, Bhubaneswar, India. 12 -17 June, 2023.
- Participated in Research Essentials: Fundamentals of writing research articles for high impact journals, Researcher Academy, Elsevier, 21 Nov, 2022.
- Participated in "IESRF Research Workshop 2022", Editor training at Research publication workshop, CME Webinar Event , 11-12 Nov, 2022.
- Attended 1st World Congress on Controversies in MDS and AML (COMyDAL) and 5th Annual Meeting of the International Academy for Clinical Hematology (IACH), 22-24 Sept, 2022
- Attended Researcher Academy- Module- Introduction to the Certified Peer Reviewer Course, 18 Sept, 2022
- Participated in MICROSHERE 2.0: AN INTERNATIONAL OUTREACH PROGRAM organized on the occasion of International Microorganism Day under the aegis of the International Microbiology Literacy Initiative (IMiLI), Indian Network for Soil Contamination Research (INSCR), Federation of European Microbiological Sciences (FEMS) & International Society for Microbial Ecology (ISME) in association with Gargi College (DU), Kirori Mal College (DU), Ramjas College (DU), Shivaji College (DU), Acharya Narendra Dev College (DU), PG Dept. of Zoology (Magadh University) and SGTB Khalsa College (DU). 17 Sept, 2022
- Participated in DU eLibrary Workshop on LIBRARIAN'S DAY "SERVING MILLIONS OF E-RESOURCES | 24 X 7 | EVERYWHERE | ON ANY DEVICE", 12 Aug, 2022
- Participated in Training session on " Discover Emerald resources for your academic excellence and research "by Emerald Publishing (DU Lib), 18 Jan, 2022.
- Attended Workshop on "Understanding Plagiarism Detection Software Ouriginal (Urkund)" by University of Delhi in association with eGalactic Pune, 28 Jan, 2022.
- Participated in Virtual Event "BioRender Grants Mini Series", 20 Jan, 2022.
- Attended Webinar on "Accelerate your research using Elsevier's Scopus" Researcher Academy organized by Delhi University in collaboration with Elsevier, 11 Feb, 2022.
- Participated in International Webinar on "Neurobiology of Behavior: the Challenge and the Promise for Translational Research" by Harisingh Gour Central University, Sagar M.P, 15-16 Dec, 2021.
- Participated in International Webinar on "Neuronal and Hormonal Interventions in Stress Integrated Behaviour" by Harisingh Gour Central University, Sagar M.P, 29-30 Nov, 2021.
- Participation in VISUALIZE 2021, Virtual Event on Advancing Communication in Science organized by BioRender, 29-30 Sept, 2021.
- Participated in International Outreach Program on International Microorganism Day MICROSHERE under the aegis of INDIAN NETWORK FOR SOIL CONTAMINATION RESEARCH (INSCR), 17 Sept, 2021.
- Participated in INDO-SINGAPORE WORKSHOP on Cardiovascular Diseases: An Insight to New Advances and their Translational Application, 24-29 Sept, 2021.
- Participated in One Week FDP on "E-content Generation and Managing Online Teaching" organized by Sri Aurobindo College (E), and Mahatma Hansraj Faculty Development Centre (MHRFDC), Hansraj College, University of Delhi, Delhi, 11-17 Dec, 2020.
- Participated in One Week FDP on "Skills for Next Generation Teachers "organized by Vimala College, Thrissur, Kerela, Guru Angad Dev Teaching Learning Center SGTB KhalsaCollege, University of Delhi and Jean Monnet Module, Center of European Studies, JNU, New Delhi, 01-07, 2020.
- Attended NEUROEUNOIA2020: A NEUROSCIENCE AFFAIR, International e-conference sponsored by Indian Academy of Neurosciences, 16-17 Oct, 2020.
- Participated in National Webinar entitled "Promotional Avenues for Teachers in Higher Education: CAS Regulations-2018"organized by Guru Angad Dev TLC, SGTB Khalsa College, University of Delhi, under PMMMNMTT of MHRD, on 5 Sept, 2020.
- Participation in e-workshop on Research Article Writing organized by PharmaState Academy on 23 Aug, 2020.

- *Participation in Research Proposal Writing e-Workshop organized by PharmaState Academy on 13 Aug, 2020.*
- *Participated in Two Weeks FDP on “Advanced Concepts for Developing MOOCS” organized by Teaching Learning Centre (TLC) - Ramanujan College, University of Delhi, Delhi MHRD (PMMMNMTT), 02-17 July, 2020.*
- *Participated in webinar on “Application of Bioinformatics in Drug Discovery” organized by Faculty of Engineering, Department of Biotechnology, Karpagam Academy of Higher Education, Coimbatore, 3 July, 2020.*
- *Participation in webinar on “Entomology in Criminal Investigations” organized by Department of Zoology, Gargi College, University of Delhi, Delhi on 22 Aug, 2020.*
- *Participation in webinar on “Immunology of Covid-19” organized by Department of Zoology, Gargi College, University of Delhi, Delhi on 5 Aug, 2020*
- *Participation in “Faculty Development Programme (FDP) on Design, Develop, and Deliver Online Courses” organized by National Institute of Educational Planning and Administration (NIEPA), New Delhi 22-26 June, 2020.*
- *Participation in National Webinar Series (NWS)-2020 on “Immunity and Infection: Biochemical approaches to therapies” organized by Society of Biological Chemists, Davengere Branch & Department of Biochemistry, Davangere University, Davangere, Karnataka. 15-21 June, 2020.*
- *Attended Faculty Development Programme (FDP) on “Artificial Intelligence and Data Science” organized by Department of Information Technology, Oriental Institute of Science & Technology, Bhopal. 10-14 June, 2020.*
- *Attended the Refresher Course in “Research Methodology” at UGC-HRDC, Jawaharlal Nehru University, New Delhi during Oct 14-26, 2019.*

(Dr. RASHMI SAINI)

