

Dr. NEERU BHAGAT

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ACADEMIC QUALIFICATIONS

- 2004-2009** **Ph.D in Microbiology** (Awarded in 2010, Thesis submitted in 2009) from Department of Microbiology, University of Delhi South Campus, New Delhi, India
Research topic: Detection of virulence genes and other pathogenicity-related factors in strains of *Yersinia enterocolitica* isolated from India.
- 2000-2002** **M.Sc. in Microbiology** from **University of Delhi**
- 1997-2000** **B.Sc. (Hons) in Microbiology** from **University of Delhi**

TEACHING EXPERIENCE (More than 13 years)

- Assistant Professor, Adhoc, Bhaskaracharya College of Applied Sciences (July 25, 2019-till date)
- Assistant Professor, Adhoc, Institute of Home Economics (September 10, 2018–July 24, 2019)
- Assistant Professor, Guest, Institute of Home Economics (July 31, 2018 – September 9, 2018)
- Assistant Professor, Adhoc, Gargi College (March 14, 2018 – April 20, 2018); (January 1, 2018 – February 23, 2018); (January 2, 2017 – November 1, 2017)
- Assistant Professor, Adhoc, Institute of Home Economics (November 25, 2009–May 20, 2016)
- Guest lecturer, Bhaskaracharya College of Applied Sciences (August 2009- November 2009)
- Guest lecturer, Ram Lal Anand College (September 2002- March 2003)

PROJECTS

- Research project on Biofilms produced by novel *Bacillus paralicheniformis* strain (Group leader: Dr. Ruchi Gulati Marwah; BCAS Faculty:: Dr. Purnima Anand, Dr. Ratyakshi, **Dr. Neeru Bhagat**; Collaborator: Dr. Deepti Jain, RCB, Faridabad)
- Two in-house projects on topics ‘Air Pollution’ and ‘Indoor Air Pollution’ as part of Environmental Project and Awareness Program (EPAP).
- Innovation project entitled “Indoor Air Quality Assessment in selected schools of Delhi-NCR region” sanctioned by DU (Project code IHE 306) (PI – Dr. Renu Arora, Co-PI Ms. Pratima, **Co-PI Dr. Neeru Bhagat**)

AWARDS

- Certificate of appreciation by University of Delhi for being selected for the research display of project entitled “Indoor Air Quality Assessment in selected schools of Delhi-NCR region” (Project code IHE 306).
- Best poster award in Microbial Diversity 2005 – Current Perspective and Potential Applications: An International Conference, New Delhi, April 16 -18, 2005

POSTER PRESENTATIONS

- Shivi Nahare, Nabin Katwal, Priya Sharma, Abhimann Thakran, Jyotsana Bidaliya, Kaushik Poddar, Purnima Anand, Ratyakshi, **Neeru Bhagat** and Ruchi Gulati Marwah (2023). Exploring the Bioremediation Potential of a Robust Biofilm of *Bacillus paralicheniformis* bcasdu2018/01 through biosorption of toxic dyes. 4th World Environment Summit 2023 organized by Galgotias University and Environment and Social Development Association Delhi from November 4-6, 2023. **Best poster award**

- Priya Sharma, Abhimann Thakran, Jyotsana Bidaliya, Kaushik Poddar, Purnima Anand, Ratyakshi, **Neeru Bhagat** and Ruchi Gulati Marwah (2023). Investigating the Biotechnological Applications of a Highly Robust Biofilm produced by a Novel Strain of *Bacillus paralicheniformis* bcasdu2018/01 for removal of Toxic Dyes in the National Seminar on “Exploring the Horizons of Microbiology” organized by the MBSI-Goa unit at St. Xavier’s College, Goa on October 6-7, 2023. **Best poster award**
- Kaushik Poddar, Hitikk Chawla, Pragya Kumar, Purnima Anand, Ratyakshi, **Neeru Bhagat**, Deepti Jain and Ruchi Gulati Marwah (2023). Understanding the Potential Biotechnological Applications of a Highly Robust Gamma Polyglutamic acid-rich biofilm produced by a novel strain of *Bacillus paralicheniformis* isolated from the indoor environment. Poster presented in 63rd Annual International Conference of Association of Microbiologists of India (AMI) –MicrobioTech2023 organized by Maharshi Dayanand University (MDU), Rohtak from February 2-4, 2023. **Best poster award** in the category of Food and Industrial Microbiology.
- **Neeru Bhagat** and JS Viridi. (2008). Molecular and biochemical characterization of urease of *Yersinia enterocolitica* biovar 1A and its role in the survival of the organism *in vitro* under acidic conditions. Poster presented in 49th Annual International Conference of Association of Microbiologists of India (AMI) organized at University of Delhi, Delhi from November 18-20, 2008.
- Pooja Sachdeva P, **Neeru Bhagat** , and JS Viridi. (2005). Molecular typing of *Yersinia enterocolitica* biotype 1A isolated from different parts of the world. Microbial diversity – Current Perspective and Potential Applications: An International Conference, New Delhi, Apr 16-18.
- **Neeru Bhagat**, and JS Viridi (2004). PCR detection of enterotoxin (*yst*) and urease (*ure*) genes in strains of *Yersinia enterocolitica* biotype 1A. 73rd Annual Meeting Society of Biological Chemists, Pant Nagar, Uttaranchal
- **Neeru Bhagat**, and JS Viridi. (2002). Heavy metal resistance and heavy metal-mediated multiple antibiotic resistance (MAR) in *Yersinia enterocolitica*. 43rd Annual conference of Association of Microbiologists of India (AMI), CCS Haryana Agricultural University, Hisar.

PUBLICATIONS

RESEARCH and REVIEW ARTICLES

- Chawla, H., Anand, P., Garg, K., **Bhagat, N.**, Varmani, S., Bansal, T., McBain, A., and Marwah, R.G. (2023). A Comprehensive Review of Microbial Contamination in the Indoor Environments: Sources, Sampling Health Risks, and Mitigation Strategies. *Frontiers in Public Health*. Volume 11:pp-pp. <https://doi.org/10.3389/fpubh.2023.1285393>. [Impact Factor 5.2 (2022), ISSN: 2296-2565]
- Chugh, P., Dutt, R., Sharma, A., **Bhagat, N.**, and Dhar MS (2020). A critical appraisal of the effects of probiotics on oral health. *Journal of Functional Foods*. 70: 103985. [Impact Factor 5.6 (2022), ISSN: 1756-4646]. <https://doi.org/10.1016/j.jff.2020.103985>
- Gupta, V., Gulati, P., **Bhagat, N.**, Dhar, M., and Viridi, J.S. (2015). Detection of *Yersinia enterocolitica* in food: an overview. *Eur J Clin Microbiol Infect Dis*. 34:641-650. [Impact Factor 4.5 (2022), ISSN: 0934-9723 (electronic)]. [10.1007/s10096-014-2276-7](https://doi.org/10.1007/s10096-014-2276-7)
- **Bhagat, N.**, and Viridi, J.S. (2011). The Enigma of *Yersinia enterocolitica* biovar 1A. *Critical Reviews in Microbiology*. 37:25-39. [Impact Factor 6.5 (2022), ISSN: 1040-841X (print), ISSN: 1549-7828 (electronic)]. <https://doi.org/10.3109/1040841X.2010.506429>
- **Bhagat N**, Viridi JS. (2009). Molecular and biochemical characterization of urease and survival of *Yersinia enterocolitica* biovar 1A in acidic pH *in vitro*. *BMC Microbiol*. 9:262. [Impact Factor: 4.2 (2 year), ISSN: 1471-2180]. <http://dx.doi.org/10.1186/1471-2180-9-262>
- **Bhagat N**, Viridi JS. (2007). Distribution of virulence-associated genes in *Yersinia enterocolitica* biovar 1A correlates with clonal groups and not the source of isolation. *FEMS Microbiol Lett*. 266:177-183. [Impact Factor 2.82, ISSN: 1574-6968] <https://doi.org/10.1111/j.1574-6968.2006.00524.x>

CHAPTERS IN BOOKS

- Viridi JS, Kumar P, Mallik S, **Bhagat N** and Gulati P. (2012). Insights into the genetic relationships between environmental and clinical strains of *Yersinia enterocolitica* biovar 1A. Microorganisms in Environmental Management, Springer Publications p. 61-80 (ISBN 978-94-007-2228-6)
- Viridi JS, **Bhagat N**, Gulati P, Mittal S, Mallik S. (2008). *Yersinia enterocolitica* and Yersiniosis. In: Gastrointestinal Tract Infections (Ed. C Vaishanvi), Paragon International Publishers (ISBN-10: 818925331X, ISBN-13: 978-8189253318)
- Viridi JS, Sachdeva P, Sharma S, and **Bhagat N**. (2006). Serological, molecular and pathogenicity-related characteristics of *Yersinia enterocolitica* isolated from India. In: Microbial Biotechnology (Ed. AR Alagawadi, PU Krishnaraj, KS Jagadeesh, JH Kulkarni and S Kannaiyan), Narosa Publishing, New Delhi (ISBN 13: 9788173197253, ISBN 10: 8173197253)
- Viridi JS, Sachdeva P, **Bhagat N**, Singh I, Sinha I, Sharma S, Mallik S, and Mittal S. (2005). Serological and molecular diversity of *Yersinia enterocolitica* isolated from India. Microbial Diversity: Current perspectives and potential applications, IK International Pvt. Ltd. (Ed. T. Satyanarayana and BN Johri) pp.1037-1052 (ISBN 81-88237).

CONVENER/ RESOURCE PERSON/ FACULTY COORDINATOR

- Faculty Coordinator in the Inaugural event of Shodh Vaarta - The Journal Club of microbiology department on November 9, 2023.
- Organizing secretary in the Academic cum Cultural Program of Indo-French Alliance under G-20 initiative of Cultural Council of University of Delhi organized by Bhaskaracharya College of Applied Sciences, DU on September 26, 2023.
- Visited National Institute of Immunology, Delhi as departmental coordinator along with two third year students of B.Sc. (H) Microbiology on the occasion of National Science Day on February 28, 2023.
- Organizing team member of Microquest 2023 – Celebrating 200 years of Louis Pasteur, organized by Sukshmjeev Society, Department of Microbiology of the college. The expert talk on the topic “Identifying Universal Principles of Host-Pathogen Interaction: Lessons from Morbilliviruses” was delivered by Prof. Rajeev Kaul, Head, Department of Microbiology on February 7, 2023.
- Faculty coordinator of the Micro-Doodle as part of Microquest 2023 organized by Sukshmjeev Society, Department of Microbiology of the college on February 5, 2023.
- Faculty coordinator of the workshop on ‘File Transfer Protocols and Advantages of Encrypted Data Transfer’ by Mr. Bhavya Deep, Associate Professor, Department of Computer Science of the college on November 4, 2022.
- Faculty coordinator of the Green Diwali organized by Eco club in association with Sukshmjeev Society, Department of Microbiology of the college on October 21, 2022.
- Faculty coordinator of the ‘Microbial Interactions and their Importance’ organized by Sukshmjeev Society, Department of Microbiology of the college on October 7, 10 and 17, 2022.
- Resource Person and organizing team in a workshop titled ‘Basic Techniques and Instrumentation in Microbiology’ organized by the Department of Microbiology of the college for third year students between 2022.
- Resource Person and organizing team in a workshop titled ‘Basic Techniques and Instrumentation in Microbiology’ organized by the Department of Microbiology of the college for first year students between May-June 2022.

- Convener of the 'Aikyam: Unity in Diversity – Cultural, Regional and Social' organized by Dance Club, RAGE on April 8, 2022.
- Organizing team member of Microquest 2022 organized by Sukshmjeev Society, Department of Microbiology of the college on April 6, 2022. Faculty coordinator of the Streak Art and Diary Entry competitions organized as part of Microquest 2022.
- Organizing team member of Alumni Interaction Session for Career Counselling as part of Microquest 2022 on 'What's your next leap?' by Aditya Raj, Faculty at Akash BYJU'S on April 2, 2022.
- Organizing team member of National webinar on 'Impact of Climate Change on Biodiversity' on the theme 'Loss of Biodiversity (Microbial Biodiversity Loss)' by Dr. Hishmi Jamil Husain, Head of Biodiversity, Corporate Sustainability, Tata Steel Ltd organized by Sukshmjeev Society, Department of Microbiology of the college in collaboration with Lakshya on March 16, 2022.
- Convener of the webinar on "Breast Cancer and Cervix Cancer" on March 8, 2022.
- Visited National Institute of Immunology, Delhi along with six third year students on the occasion of National Science Day on February 28, 2022.
- Faculty coordinator in National online workshop on Intellectual Property Rights (IPR) organized by Sukshmjeev Society, Department of Microbiology in collaboration with School of Management, NIT Rourkela from February 21-25, 2022.
- Convener of the 'NrityaKala' organized by Dance Club, RAGE from January 29-February 26, 2022.
- Convener of the 'NrityaUtsav' organized by Dance Club, RAGE from December 26, 2021-January 20, 2022.
- Faculty coordinator in five-day online workshop on 'Basic Techniques involved in Industrial Microbiology for Product Development' organized by Sukshmjeev Society, Department of Microbiology organized by Sukshmjeev Society, Department of Microbiology in collaboration with IIIM-Technology Business Incubator, CSIR-IIIM, Jammu from December 16-21, 2021.
- Convener of the 'Taal – The Poem of Foot' Intracollege dance competition organized by Dance Club, RAGE from November 15-27, 2021.
- Faculty coordinator in National webinar on 'Small Molecules make a Big Impact: A Panoramic View of miRNAs in Esophageal Cancer' under theme 'Microbiology: From Principle to Applications' by Dr. Rinu Sharma, Assistant Professor, University School of Biotechnology, Guru Gobind Singh Indraprastha University organized by Sukshmjeev Society, Department of Microbiology on October 1, 2021.
- Faculty coordinator in National webinar on 'Bio-Entrepreneurship and Introduction to BioNEST-UDSC' by Vijay Kantharia, CEO, Bio-NEST, UDSC organized by Department of Microbiology in collaboration with Bio-NEST, UDSC on September 30, 2021.
- Faculty coordinator in online Alumni interaction with batch 2020-21 students organized by Sukshmjeev Society, Department of Microbiology on September 25, 2021.
- Faculty coordinator in International webinar on 'Allies and Adversaries in the Microbial World' by Dr. Deepti Jain, Associate Professor, Regional Centre for Biotechnology, Faridabad on September 18, 2021 on the occasion of International Microorganism Day organized by Sukshmjeev Society, Department of Microbiology.
- Faculty coordinator in International webinar on 'Journey from Biology to Machine Learning' by Dr. Ashish Jain (Alumnus), Data Scientist, Salesforce, Cambridge, MA organized by Sukshmjeev Society, Department of Microbiology on September 6, 2021.
- Faculty coordinator in National webinar 'Drugs for Bad Bugs: Who will Win this War?' by Dr. Sidharth Chopra, Principal Scientist, Division of Microbiology, Lucknow on the theme 'Microbiology: From Principle to Applications' organized by Sukshmjeev Society, Department of Microbiology on September 3, 2021.
- Convener of the 'Dil Hain Hindustani' organized by Dance Club, RAGE on August 15, 2021.

- Faculty coordinator in intracollege workshop on 'Curriculum Vitae CV Writing' by Mr. Shubham Singh, CCAMP, Bengaluru (Distinguished Alumnus, Department of Microbiology, Batch 2013-2016) organized by Sukshmjeev Society, Department of Microbiology in association with Career Counselling Cell on April 17, 2021
- Faculty coordinator in intercollege competitions -Just-a-Minute, and Microquizitive as part of MicroQuest 2021 organized by Sukshmjeev Society, Department of Microbiology in the month of March 2021.
- Faculty coordinator in International webinar as part of Alumni Interaction Day by Ms. Manpreet Kaur, Bagga, Research Assistant at the New Castle University, UK and Ms. Shefali Thakur, Doctoral fellow at WHO's International Agency for Research in Cancer, Lyon, France organized by Sukshmjeev Society, Department of Microbiology on March 26, 2021.
- Faculty coordinator in National webinar 'Microbial Biofilms: Significance, Impact and Combatives' by Dr Neetu Kumra Taneja, Assistant Professor, National Institute of Food Technology Entrepreneurship and Management (NIFTEM), Sonapat on the theme 'Advances in Microbiology: An Interdisciplinary Approach' organized by Sukshmjeev Society, Department of Microbiology on March 23, 2021.
- Faculty coordinator in National webinar 'DNA Replication: Old Questions and New Answers' by Prof. Deepak T. Nair, Regional Centre for Biotechnology, Faridabad on the theme 'Advances in Microbiology: An Interdisciplinary Approach' organized by Sukshmjeev Society, Department of Microbiology on March 19, 2021.
- Resource person and faculty coordinator in an Intradepartmental workshop on 'Basics of Biosensors' organized by Sukshmjeev Society, Department of Microbiology in collaboration with the Department of Electronics of the college from March 17-18, 2021.
- Faculty coordinator in National webinar 'Gene Editing: Present Scenario and Future Perspective' by Dr. Bhupendra Verma, an Assistant Professor in the Department of Biotechnology at AIIMS, New Delhi on the theme 'Advances in Microbiology: An Interdisciplinary Approach' organized by Sukshmjeev Society, Department of Microbiology on March 13, 2021.
- Faculty coordinator in National webinar 'Automation in Clinical Microbiology' by Prof. Ashok Rattan, Senior Advisor at the Pathkind Labs, Gurugram on the theme 'Advances in Microbiology: An Interdisciplinary Approach' organized by Sukshmjeev Society, Department of Microbiology on March 9, 2021.
- Faculty coordinator in webinar on 'Covid-19 as a Catalyst for Digital Transformation' by Dr. Anurag Agrawal, Director, CSIR- Institute of Genomics and Integrative Biology (CSIR-IGIB), Delhi, under webinar series 2020, 'COVID 19 Pandemic: The RoadMap to Recovery' on July 11, 2020.
- Faculty co-ordinator in webinar on 'Proteomics Technologies and its Application for Covid-19 Research' by Prof. Sanjeeva Srivastava, Indian Institute of Technology (IIT), Bombay under webinar series 2020 'COVID 19 Pandemic: The RoadMap to Recovery' on July 10, 2020. The talk was coordinated by Dr. Ruchi Gulati Marwah, Dr. Purnima Anand and Dr. Neeru Bhagat.
- Faculty coordinator of 'Natural Molecules against SARS-CoV-2: A Molecular Modelling Study' by Mr. Vipul Kumar, Research Scholar, DAILAB (DBT-AIST International Laboratory for Advanced Biomedicine), Department of Biochemical Engineering and Biotechnology, Indian Institute of Technology, Delhi, under webinar series 2020 'COVID 19 Pandemic: The RoadMap to Recovery' on July 7, 2020.
- Faculty coordinator in webinar on 'Covid 19: Vaccine Perspective' by Dr. Ajay Kumar Tehlan, Director, Central Research Institute, Kasauli, Himachal Pradesh under webinar series 2020 on 'COVID 19 Pandemic: The RoadMap to Recovery' on June 6, 2020.
- Faculty coordinator of webinar on 'Understanding Lab Diagnosis of SARS Cov2 Infection' by Prof. Ashok Rattan, Adviser, Laboratory Operations, Pathkind Labs, Gurgaon, Haryana, under webinar series 2020 on 'COVID 19 Pandemic: The RoadMap to Recovery' on May 21, 2020.
- Co-ordinated and participated in the webinar on the topic 'Ayurveda against Addiction: A Scientific Approach' organized by Anti-Tobacco cell, Film club in association with Modern and Fine Arts club of the college on February 26, 2021.

- Co-coordinated and participated in 'National Science Series 2020: Igniting Young Minds' organized by the college from August 4-7, 2020.
- Teacher coordinator for the visit of third-year students to 'Open Day' organized by Regional Centre for Biotechnology (RCB), Faridabad on October 16, 2019.
- Coordinated and participated in the 'Best Out of Waste' competition organized by Swacchata and e-Waste Management Committee of the college as part of Swachhta Pakhwada from September 1-15, 2021.
- Coordinated and participated in webinar on 'Indian Rivers: Ancient Culture and Modern Science' jointly organized by the Swacchata and e-Waste Management Committee and Biological and Chemical Waste Management Committee' of the college on September 15, 2021.
- Co-ordinated and participated in the webinar on the topic 'Ayurveda against Addiction: A Scientific Approach' organized by Anti-Tobacco cell, Film club in association with Modern and Fine Arts club of the college on February 26, 2021.
- Co-coordinated and participated in 'National Science Series 2020: Igniting Young Minds' organized by the BCAS college from August 4-7, 2020.
- Participated in the workshop on 'IPR: its genesis, significance and compliance' as part of Microfest '2019' organized by Institute of Home Economics from September 13-14, 2018.
- Organizing team members of one-day annual academic fest 'Microcalypse- Reign of microbes' Microfest 2019 by Microbiological Society 'Microcosmos' on March 14, 2019. Dr Chandrasekhar, ADG, ICMR, Dr Amulya Panda, Director, NII, Dr Naseem Gaur, Scientist, ICGEB, Dr Archana Suman, Scientist, IARI, and Professor J.S. Viridi, Microbiology South campus were invited for the eminent speakers.
- Coordinator of a five day short term course on 'Introduction to Bioinformatics' from December 20- 27, 2018 organized by Department of Microbiology, Institute of Home Economics.
- Visited the school at Bodh Vihar as an outreach activity for interaction and career counseling of students.
- Visited with the students at Regional Centre of Biotechnology Open Day on September 24, 2018.

PARTICIPATION IN FDP/FIP

- Completed one-week online Faculty Development Programme on 'Biosafety, Bioethics and IPR' organized by the Department of Microbiology, Ram Lal Anand College, University of Delhi from August 24-28, 2020.
- Completed a four-week Induction Programme for Faculty in Universities/Colleges/Institutes of Higher Education conducted by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Human Resource Development, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) from June 26-July 24, 2020.
- Completed Faculty Development Programme on 'Open Source Tools for Research' conducted by Teaching Learning Centre, Ramanujan College, University of Delhi and sponsored by MHRD, PMMMNMTT from June 8-14, 2020.
- Completed two-week Faculty Development Programme on 'Managing Online Classes and Co-creating MOOCs: 2.0' conducted by Teaching Learning Centre, Ramanujan College, University of Delhi and sponsored by MHRD, PMMMNMTT from May 18-June 3, 2020.
- Participated in the three-day Intercollege online Faculty Development Programme on 'Online Transaction of Courses with Moodle-LMS' organized by the Automation and Digitization committee of the college from May 8-10, 2020.
- Participated in the Faculty Development Programme, National webinar on 'Towards Excellence in Higher Education in India in the 21st Century: Challenges and Opportunities' organized by Guru Angad Dev Teaching Learning Centre (GAD-TLC), SGTB Khalsa College, University of Delhi under the PMMMNMTT of MHRD held on May 1, 2020.

- Participated in the Faculty Development Programme, National webinar on 'ICT Enabled Higher Education in India: Challenges and Opportunities' organized by GAD-TLC, SGTB Khalsa College, University of Delhi under the PMMMNMTT of MHRD held on April 15, 2020.
- Participated in FDP on writing research proposals & addressing IPR related issues, organized by Ram Lal Anand College, DU from March 29-30, 2019.

PARTICIPATION IN WORKSHOP

- Participated in the virtual workshop titled 'Role of Intestinal Microbiota and Probiotics in Health and Disease' organized by Sukshmjeev Society, Department of Microbiology of the college on October 20, 2023.
- Participated in the workshop titled 'Sensory Gardens: Plants that Engage with Our Senses' organized by the Garden committee and Moksha, Music club of the college on February 5, 2022.
- Participated in a two-day workshop on 'Government e-Marketplace' organized by the Central Purchase committee of the college from January 27-28, 2022.
- Attended the online workshop 'Knowing Your Rivers' organized by Nadi ko Jano Committee on January 8, 2022.
- Participated in a five-day online workshop on 'Basic Techniques involved in Industrial Microbiology for Product Development' organized by IIIM-Technology Business Incubator, CSIR-IIIM, Jammu in collaboration with the college from December 16-21, 2021.
- Participated in a two-day workshop on 'Event Coordination and Database Management' organized by NAAC committee of the college on November 22, 2021 and November 25, 2021.
- Participated in a workshop on Student Satisfaction Survey organized by Internal Quality Assurance Cell (IQAC) of the college on November 12, 2021.
- Participated in the National Online workshop on Astrobiology organized by the Department of Microbiology of the college in collaboration with Sapceonova on October 29-30, 2021.
- Participated in the International workshop on 'Science Communication and Art of Writing about Science' organized by Career Counselling Cell and DNAmics Society of Department of Biomedical Science of the college on October 9, 2021
- Participated in a workshop on 'Decoding BEAMS' organized by the Digitization and Automation Committee of the college on September 1, 2021.
- Participated in a workshop on 'Decoding BRAHMA' organized by the Digitization and Automation Committee of the college on August 25, 2021.
- Participated in the workshop on 'CV writing' organized by Sukshmjeev Society, Department of Microbiology in collaboration with Career Counseling Cell of the college on April 17, 2021.
- Participated in the NPTEL workshop organized by IIT Madras at J.C Bose University of Science and Technology, YMCA, Faridabad on January 31, 2020.
- Participated in Wellcome Trust/DBT India Alliance and Nature India sponsored workshop on Visualising Science, National Institute of Immunology, New Delhi, on March 30-31, 2017.
- Participated in DBT sponsored workshop on "Bioinformatics techniques in genome and proteomic analysis" held at ICGEB, New Delhi from February 16-17, 2016.
- Participated in ASM Virtual Workshop on "Art Science Communication" on April 13, 2015 at Institute of Home Economics, Delhi
- Completed ASM Virtual Workshop on "Culture of Responsibility" on January 20, 2015 at Institute of Home Economics, Delhi.

PARTICIPATION IN CONFERENCES/ SEMINARS and WEBINARS/ SYMPOSIUM

- Attended a program on 'Liver Health: An Awareness Program' organized by the Students Advisory Committee of the Bhaskaracharya College of Applied Sciences, DU on May 10, 2023.
- Attended 'Accelerate your Research using Elsevier's Scopus' organized by Elsevier on February 11, 2022.
- Participated in webinar on 'PCOS Awareness' organized by Women Development Cell and Menstrual Cafe (An Initiative by Sachhi Saheli) of the college held on February 5, 2022.
- Participated in a National webinar on 'National Pension Scheme' organized by Capability Enhancement and Literary club of the college on January 21, 2022.
- Participated in 'IP Awareness/Training program' under National Intellectual Property Awareness Mission organized by Intellectual Property Office, India on January 17, 2022.
- Participated in webinar on 'Microbial Biotechnology for Novel Food and Food Ingredients' organized by Agriculture and Food Systems Institute, USA on January 11, 2022.
- Participated in webinar on 'Geo-tagging' organized by Photography Club of the college on December 30, 2021.
- Participated in the National webinar on 'Injurious Invaders: Our Immune System and the Vaccines for Defense' organized by NAAC Committee of the college on July 23, 2021.
- Participated in the National webinar on 'My Life with Rocket Science' organized by ECA Committee of the college on July 8, 2021.
- Participated in the International webinar on the occasion of Alumni Interaction Day as part of Microquest 2021 organized by Sukshmjeev Society, Department of Microbiology in association with Alumni committee of the college on March 26, 2021.
- Participated in the 5th Biennial Conference of PAI and International Symposium on 'Probiotics and Immunity: Way Forward to Microbial Therapy' jointly organized by Probiotic Association of India (PAI) and ICAR-National Dairy Research Institute, Karnal held on November 19-20, 2020.
- Participated in a talk on 'Breast Cancer Awareness' organized by the Department of Biomedical Science and Women Development Cell of the college on October 17, 2020.
- Participated in the talk on 'Role of Enzymes in Food Industry and their Regulatory Frameworks' during webinar series 2020: Let's Talk About Food organized by Department of Food Technology of the college and Association of Food Scientists and Technologists (AFST) (I) Delhi Chapter on August 21, 2020.
- Participated in talk on 'Initiatives of BIRAC and National Biopharma Mission in the Biopharma Sector and in Current Covid 19 Pandemic' under webinar series 2020 on the theme 'COVID 19 Pandemic: The Road Map to Recovery' organized by Department of Microbiology of the college on July 25, 2020.
- Participated in talk on 'How Artificial Intelligence can Help Food and Beverage Companies Innovate' during webinar series 2020: Let's Talk about Food, organized by Department of Food Technology of the college and AFST (I) Delhi Chapter held on July 24, 2020.
- Participated in talk on 'Know Your Cooking Oils' during webinar series 2020: Let's Talk About Food, organized by Department of Food Technology of the college and AFST (I) Delhi Chapter held on July 17, 2020.
- Participated in talk on 'Molecular Strategies to Combat Covid 19 virus' under webinar series 2020 on the theme 'COVID-19 Pandemic: The Road Map to Recovery' organized by Department of Microbiology of the college on July 15, 2020.
- Participated in talk on 'COVID-19: Accosting the Pandemic using CRISPR Scissors' under webinar series 2020 on the theme 'COVID 19 Pandemic: The Road Map to Recovery' organized by Department of Microbiology of the college on July 13, 2020.

- Participated in the talk on 'Standards and Trade Development Facility (STDF)-An Introduction' during webinar series 2020: Let's Talk About Food, organized by Department of Food Technology of the college and AFST (I) Delhi Chapter held on July 10, 2020.
- Participated in the talk on 'Immunity-Boosting Foods in COVID 19' during webinar series 2020 'Let's Talk about Food' organized by Department of Food Technology of the college and AFST (I) Delhi Chapter held on July 1, 2020.
- Participated in a talk on 'Biosafety and Biosecurity' under webinar series 2020 on the theme 'COVID 19 Pandemic: The Road Map to Recovery' organized by Department of Microbiology of the college on June 25, 2020.
- Participated in a talk on 'Medical Devices and Diagnostics for Covid-19 Risk Mitigation and Case Management: Needs, Trends and Future of Innovation' under webinar series 2020 on the theme 'COVID 19 Pandemic: The Road Map to Recovery' organized by Department of Microbiology of the college on June 23, 2020.
- Participated in the International webinar on 'Impact of COVID-19 on Society and Education: A Perspective' organized by Internal Quality Assurance Cell, Swami Shraddhanand College, University of Delhi on June 20, 2020.
- Participated in the National webinar on 'Fighting Pandemics with Artificial Intelligence' organized by the Department of Microbiology, Gargi College, University of Delhi on May 29, 2020.
- Participated in a webinar series on 'Next-generation Sequencing and Metagenome Analysis' hosted by Ram Lal Anand College, University of Delhi held on May 15-16, 2020.
- Participated in the National webinar on the topic 'E-Content: Design and Delivery' organized by ARSD College on May 15, 2020.
- Participated in the International online conference on 'COVID 19- Biotechnology: A Way Forward' organized by Department of Biosciences, Department of Basic Sciences, Faculty of Science and Directorate of Admissions, Manipal University, Jaipur on April 30, 2020.
- Participated in the National seminar on "Probiotics: Ameliorating the Burden of Lifestyle Disorders" organized by Ram Lal Anand College, DU on February 1, 2019.
- Participated as a listener in the "Indian Online Symposium – 2016" organized by BioLim varsity held in BioLim Science's Cloud Theatre from April 29-May 1, 2016.
- Participated in National Symposium on "Frontiers in Proteomics Research" organized by Proteomics group, New Delhi in University of Delhi South Campus on March 18, 2016.
- Participated in 56th Annual Conference of Association of Microbiologists of India (AMI-2015) and International Symposium on "Emerging Discoveries in Microbiology" organized by School of Life Sciences, JNU, New Delhi (7-10 Dec 2015)
- Participated in 1st International Conference on "Emerging Trends of Nanotechnology in Drug Discovery " organized by Sri Venkateswara College and Department of Biochemistry, UDSC, India in association with CQM, University of Madeira, Portugal on 26-27 May 2014.
- Participated in the International Conference on "Plant Biotechnology, Molecular Medicine and Human Health" at Department of Genetics, University of Delhi South Campus, New Delhi, India. Oct 18-20, 2013
- Participated in National Symposium on "Frontiers in Plant Molecular Biology" at Department of Plant Molecular Biology, University of Delhi South Campus, New Delhi, India, Sep 27-28, 2013.
- Participated in the Symposium "Academic Frontiers at IHE" organized by Institute of Home Economics, University of Delhi held on Feb 1, 2012
- Participated in the National Conference on "Sustainable Development – A Collective Vision" organized by Institute of Home Economics, University of Delhi, Oct 31-Nov 1, 2011

- Participated in National Symposium on “Lignocellulose Biotechnology: Present and Future Prospects” organized on Dec. 10-11, 2001 by Department of Microbiology, University of Delhi South Campus, New Delhi, India.
- Participated in “Thermophiles 2001: An International Conference on Biology and Biotechnology of Thermophilic Microbes” organized on Dec. 3-7, 2001 by Department of Microbiology, University of Delhi South Campus, New Delhi, India.

ADMINISTRATIVE/NON-ACADEMIC WORK (Last 5 years)

- Convener, Dance Club (2021-Sep 2023)
- Member, Annual Report (2019-till date)
- Member, Student Advisory and PR Committee (2021-till date)
- Member, Swachhta and e-Waste Management Committee (2021-till Sep 2023)
- Member, NAAC Task Force 2
- Member, India Today Ranking (2021-22, 2022-23)
- Member, Film Club (2019-21)
- Member, NIRF (2020-21, 2023-till date)
- Member, Admission, IHE (July-December 2019)

MEMBERSHIPS

- Life member of Microbiologists Society, India (MBSI)
- Life member of Association of Microbiologists of India (AMI)
- Annual member of American Society for Microbiology, 2015-2016 (ASM)

GENBANK SUBMISSIONS

AY966878-81, AY970513-21, DQ144904-11, DQ350880, EU527335

RESEARCH PROFILE

ORCID: <https://orcid.org/0000-0002-9943-5439>

Google Research Scholar: <http://bit.ly/neerubhagatgooglescholar>

Research Gate: https://www.researchgate.net/profile/Neeru_Bhagat

Vidwan Profile: <https://vidwan.inflibnet.ac.in/profile/246591>

PERSONAL DETAILS

| | |
|-----------------------|----------------------------|
| Date of Birth | 21 st Nov. 1979 |
| Gender | Female |
| Marital Status | Unmarried |

NEERU BHAGAT