



INSTITUTE OF HOME ECONOMICS
UNIVERSITY OF DELHI



Name	Dr. Sunita Aggarwal	Photograph
Designation	Professor	
E-mail	sunita.aggarwal@ihe.du.ac.in	
Educational Qualifications: M.Sc., Ph.D. (Microbiology)		
Teaching experience: 28 years		
Subjects/Papers Taught: Immunology, Microbial Genetics, Bacteriology, Food Microbiology, Molecular Biology, Diagnostics, Cell Biology, Instrumentation & Biotechniques, Bacteriology & Virology		
Awards received : JRF & SRF CSIR Fellowship in 1987 Best teacher award by MBSI 2021 (State Level)		
Research Interest/Specialization: Immunology, Food Microbiology, Microbial Biotechnology, Probiotics, Natural dyes		
ORCID No.: https://orcid.org/0000-0002-2349-9110		
Research Projects:		
Title	Funding agency/organization	Duration of Project
Evaluation of microbial flora of Indian fermented food for the development of novel Probiotics having antioxidant properties	Innovation Project , University of Delhi	1 year (2015- 2016)
Optimization & Characterization of Microbial dyes for dyeing different Textile Substrates	Innovation Project , University of Delhi	1 year (2013- 2014)
Ensuring access to safe street food	Innovation Project , University of Delhi	1 year (2012- 2013)
Isolation and identification of pigment producing fungi for use as textile dye	Innovation Project , University of Delhi	1 year (2012- 2013)
Assessment of microbiological quality of street foods	ICMR	1 year (2007- 2009)

Research papers since 2010 (APA format):

- Aggarwal, S., Sabharwal, V., Nagpal N., Khera, N., Pandita, P., Rachna, Adhikari, S., & Bhat P. (2022). Knowledge, Perception and Practices of Immunity Boosters During Covid-19 Outbreak Among Adults Residing in Urban Areas of Delhi. *International Journal of Food and Nutritional Sciences*, 11(5), 54-61.
- Sen, A., Aggarwal, S., Sehgal, S., Nagpal, N., Aayushi, Joshi, A., Saini, P., & Chawla R. (2022). Novel Strategies of Immunization against Covid-19. *J Pure Appl Microbiol*. 16 (1), 35-49.
- Srivastava, P., Ramesh, M., Kaushik, P., & Kumari, Arti. (2022). Pyocyanin pigment from *Pseudomonas* species: Source of a dye and antimicrobial textile finish—a review. *Proc. Indian Natl. Sci. Acad.*, 1-9, <https://doi.org/10.1007/s43538-022-00109-x>
- Aggarwal, S., Sen, A., Rastogi, A., & Nigam, A. (2021). Evaluation of the probiotic potential of yeasts isolated from Indian fermented food items. *Research Journal of Biotechnology*, 16 (10), 33-42.
- Aggarwal, S., Bhardwaj, M., Singh, P., Shukla, H., Saini, A., & Suri, M. (2021). Attitudes and awareness about antimicrobials usage and resistance in Delhi, India. *Journal of Advanced Scientific Research*, 12 (1) Suppl 1: 317-325.
- Aggarwal, S., Sehgal, S., & Tandon, A. W. (2021). Biosensors-types and application in food processing industry. *Journal of Postharvest Technology*, 9(1), 1-19.
- Keshan, P., Rastogi, A., Aggarwal, S., Nigam, A., Kapila, R., & Syed, S. (2020). Effect of one-day training on Knowledge related to Biosafety and waste management among life-science Students. *Indian Journal of Community Health*, 32(4), 394-398.
- Sudha, Gupta, C., & Aggarwal, S. (2018). Standardization of dyeing conditions of *P. minioluteum* on mulberry silk'. *Asian Dyer*, 15, 56-62.
- Sudha, Gupta, C., & Aggarwal, S. (2017). Optimization and extraction of extra and intracellular color from *Penicillium minioluteum* for application on protein fibres. *Fibres and Polymers*, 18(4), 741-748
- Naaz, S., Gupta, C., & Aggarwal, S. (2017). Microbial degumming of silk yarn. *Int. J. Home Sci*, 3(2).
- Naaz, S., Gupta, C., Aggarwal, S. (2017). Microbial Protease: A Degumming Agent. *International Journal of Recent Research and applied Studies*. 4,6(21), 90-94.
- Sudha, Gupta, C., & Aggarwal, S. (2016). Dyeing wet blue goat nappa skin with a microbial colorant obtained from *Penicillium minioluteum*. *Journal of Cleaner Production*, 127, 585-590.
- Gupta, C., & Aggarwal, S. (2016). Natural Approach to Improving Light Fastness of a Leather Dyed with a Microbial Colorant. *Journal of the American Leather Chemists Association*, 111(09), 315-324.
- Naaz, S., Gupta, C., Aggarwal, S. (2016). Degumming of Silk using Microbial Protease. *The IIS University Journal of Science & Technology*. 5 (1), 49-55.
- Sudha, Gupta, C., Aggarwal, S., Burman, A., Gupta R. (2016). *Aspergillus Niger* as a novel source of textile dye. *Asian Dyer*. 13. 58-64.
- Pannu, P., Kataria, D., & Aggarwal, S. (2016). Consumer Perspective towards Safety of Street Food. *DU Journal of Undergraduate Research and Innovation*, 2(2), 80-90.
- Sudha, Gupta, C. & Aggarwal, S. (2014). Novel bio-colorants for textile application from fungi. *Journal of the Textile Association*. 74. 282-287.
- Sudha, Gupta, C., Aggarwal, S. (2014). Coloration in Leather Processing – A Review. *Journal of Indian Leather Technologists' Association*. 64(8), 764-774.
- Malik, R., Arora, R., Aggarwal, S., & Beniwal, B. (2014). Postmodern consumer research: Introspective review on the study of milk. *Asian Journal of Multidisciplinary Studies*, 2(5), 124.
- Gupta, C., Aggarwal, J., Sharma, D., Aggarwal, S. & Nagpal, N. (2013). Fungal pigments produced by *Trichoderma pseudokoningii* and *Penicillium purpogenum* for textile dyeing. *Asian Dyer*. 10. 42-46.
- Sharma, D., Gupta, C., Aggarwal, S., & Nagpal, N. (2012). Pigment extraction from fungus for textile dyeing. *Indian Journal of Fibre & Textile Research*, 37, 68-73.

- Gupta, C., Nagpal, N., Aggarwal, S. & Jain, P. (2011). Bioremediation of reactive textile dyes by microbes. Asian Dyer. 8. 44-49.

Books published/edited

A Laboratory manual on Food Microbiology and Safety for M.Sc.- Food & Nutrition for Indira Gandhi National Open University School of Continuing Education.

Book chapters published/edited

- Sehgal, S., Aggarwal, S., Saini, A., Thakur, M., Soni, K. (2022). Smart Monitoring and Surveillance of Food Contamination. In: Sehgal, S., Singh, B., Sharma, V. (eds) Smart and Sustainable Food Technologies. Springer, Singapore. Print ISBN: 978-981-19-1745-5 https://doi.org/10.1007/978-981-19-1746-2_9
- Gupta, R., Gupta, N., Aggarwal, S. (2021). Nutritional diversity amongst bacteria: chaemolithotrophy and phototrophy. In Fundamentals of Bacterial Physiology and Metabolism. Springer's publication.
- Aggarwal, S., Choudhry, S. (2013). Foodborne diseases Food safety & standards Block-1 (Course-4A) The National Institute of health and family Welfare (NIHFW)
- Naaz, S., Gupta, C., Aggarwal, S. (2017). Conventional Methods of Degumming silk yarn. In Book of Papers. ICTC: Present and future trends –by Debashish Das, Department of Jute & Fiber Technology, University of Calcutta Power publishers, Kolkata. 173-176, ISBN no. 978-93-84923-15-0.

Association with Professional Societies

- Life member, Association of Microbiologists of India (AMI)
- Member, American Society for Microbiologist (ASM)
- Life member, Microbiologists Society, India (MBSI)

Any other

- Nodal Officer – Science Setu Pgm with National Institute of Immunology since 2017
- Pgm coordinator DBT 'Star college scheme' 2017 -22
- Co-guide and advisor for Ph.D. and MSc. Students
- Founder member of "Microcosmos", a students' body of the Department of Microbiology, IHE
- Teacher -in-Charge (1995-2007 & 2018-2020)
- Secretary, Institutional Ethics Committee (2012-2014)
- Member in various college committees
- State Coordinator MSI (2021-22)
- State President MBSI (2022-23)
- Convenor & organiser of number of conferences/ workshops/ FDPs/ Seminars & webinars