Dr. A. Archana Professor Department of Microbiology				
Email	-	na@ss.du.ac.in a9194@gmail.co	<u>em</u>	
Web-Page/ Bio-data Academic Qualificat at Max Planck Institut	Linked Vidwar ORCiI YouTu ions: M.	In ID - <u>Prof. Arcl</u> n ID - <u>https://vid</u> D - <u>https://orcid.or</u> be - <u>https://www</u> Sc. (Biotechnolo	ana Ayyagari - Google Scholar hana Ayyagari LinkedIn wan.inflibnet.ac.in/profile/467041 rg/my-orcid?orcid=0009-0009-9245 y.youtube.com/@mentorshipmagic ogy), Ph.D. (Microbiology), Post-Do	
	erience	29 years	Research Experience (Years)	10+ years
	search/	Immunology,	crobiology, Recombinant DNA Food Microbiology, Microbial Genetics, Instrumentation and	Biotechnology,
Mission & Vision		great heights in professional life	I zeal are to motivate the young gen their careers, and it is the main driv e. I take keen interest in shaping the ment of students at large.	ing force in my
Academic Interests		 AMR at Use of p Surveys importa Utilizin Rejuver Dedicat (SDGs) work a respons 	nd 'One Health' concept probiotics for a healthier human mice and campaigns on contempor nt issues g microorganisms to enhance societ nation towards Pristine Environment ed to advancing sustainable develo through quality education, gender e and economic growth, reducing ible consumption, climate action, pe nstitutions and partnerships.	ary medically al well being t opmental goals equality, decent g inequalities,
Publications		(h-ind Researc Internat Laborat Chapter E-Chap Popular Video lo	dex: 12 i10-index: 12 Citations: h Publications & Reviews in ional Journals: 17 ory Manual: 01 rs in Edited Books: 08	· · · · · · · · · · · · · · · · · · ·

Organized events	 Convened a UGC-sponsored, 30-hour Add-on course on Food Technology and Food Safety in college during 13th-27th February 2020. Also delivered a lecture in the same. As Delhi State President of Microbiologists Society, India (MBSI), convened more than 30 educative and motivating online sessions for students nationwide during 2020-2022. Convened a 6-weeks (30 lectures) workshop on Entrepreneurship Skill Development Program (ESDP) for undergraduate students at Swami Shraddhanand College in affiliation with the Ministry of Micro, Small and Medium Enterprises (MSME) during August to September 2012. Also delivered 6 lectures in the same program. Convened and organized various seminars, symposia and workshops in my college from time to time, such as a health talk on cancer awareness, heart health, IPR, Biotech Industry Startup/ Entrepreneurship prospects in India
Short Courses/FDPs	 Industry Startup/ Entrepreneurship prospects in India. Arranged a Hands-on training on "Biological applications of Nanoparticles: Isolation of DNA using Nanoparticles", and recently on Basic Immunology etc. Attended online Faculty Development Programme (FDP) on Entrepreneurship during 15th -27th Feb 2021 from National Institute of Food Technology Entrepreneurship and Management (NIFTEM), Sonipat, Haryana, India, and was adjudged as the best participant in the same. Attended offline Faculty Development Programme entitled "Writing Research Proposals and Addressing IPR related issues" during 29th -30th March, 2019, organized by Research and IPR Cell, Ram Lal Anand College,
	 University of Delhi. Attended Workshop on "Biosafety preparedness for handling potential biohazardous material in laboratory setting" organized by National Institute of Virology (NIV), Pune, at Amity Institute of Virology and Immunology, Amity University, U.P., Noida, 7th -8th November, 2016. Participated in "National Symposium and Workshop on Crime Scene Management" at Sri Guru Tegh Bahadur Khalsa College, University of Delhi, sponsored by UGC on 3rd – 4th March, 2016. Attended Add-on course – cum - training on "Technology & Leadership in Disaster Management" during January 20th to April 20th, 2016 as a delegate, organized by Department of Geography, Swami Shraddhanand College, University of Delhi.

Administrative Responsibilities taken up at SSNC	 Attended Hands-on workshop on Immunology during 14th -18th May, 2012 organized by Department of Biochemistry, Sri Venkateswara College, University of Delhi. Convenor of Alumni Committee of Swami Shraddhanand College (SSNC) since 2012 and continuing. Currently a member of the Committee of Courses (COC) for Microbiology, University of Delhi South Campus. Have contributed consistently in the capacity of a member of various committees for the undergraduate curricula restructuring of B.Sc. (Hons.) Microbiology 5 times in past 29 years. Head of the Department (HOD) of Microbiology department (9 times for one academic session each). Carried out two research projects (one as Principal investigator and the other as co-investigator) under the innovative project scheme of Delhi University. Deputy Superintendent of DU Examinations in SSN College (many times). Convener / member of many Staff council Committees: Proctorial Board, Academic Advisory, Teaching Post, Cultural, Purchase, Verification, Women Development Centre, Canteen, Sports committees from time to time. Working as the convenor of one of the seven criteria (criterion 5) of NAAC accredition core committee of my
Curricular and Co- curricular activities	 27 Feth college. Have been working in the capacity of Executive Committee member and National Vice-President of a national body Microbiologists' Society, India (MBSI) since 2022 till date. Served for two Academic Sessions 2020-2021 and 2021-2022 as the State President of 'Microbiologists' Society India' (MBSI), Delhi Chapter. Contributed 10 illustrated video lectures on 'Basic Microbiology' for BAMS students (studying Ayurveda Medicine) via the MINISTRY OF AYUSH in 2023. Chairperson of Nationwide Scientific Rangoli Competition (Theme: Microbial Diseases) for schools, colleges and university students via MBSI platform in 2023. Organized Annual 'National Microbiology Calendar making competition' and editing, printing and release of the national winning entry to all reputed institutions nationwide thrice in 2021, 2022 and 2023 through the platform of Microbiologists' Society, India (MBSI).

• Running an educational & motivational YouTube channel specifically for students' needs, containing approx 400
videos (including shorts).
• Published as well as reviewed significant e-content for
Institute of Lifelong Learning (ILLL) for the benefit of
microbiology enthusiasts.
• Formed Swami Shraddhanand College Microbiology
Society of all the students and ex-students who pursue(d)
their graduation in Microbiology in Swami Shraddhanand College, and named it SOOKSHMA in 1998.
• Organized a number of Inter-college Microbiology fests
during the past years.
• Made active efforts to keep a track of our departmental
alumni, and have been proactively arranging for their
homecoming, as much as encouraging them to impart
adequate motivation and guidance for their juniors (current
batches) on a regular basis for past three decades.
• Arranged a number of educational trips of current batches
of students to many institutes of repute in Delhi-NCR as
well as to many other cities including Chandigarh, Shimla
and Agra in 2001, 2002 and 2005 respectively.
• Trained aspiring entrepreneurs the various aspects of Food
Microbiology & Food Technology in Entrepreneurship
programs conducted by the Ministry of Small & Medium
Enterprises (MSME) for 6 years (2012 to 2018).
• Taught practical classes in Life Sciences at Swami
Shraddhanand College Centre for IGNOU on a regular
basis during 2016-2020.
• Delivered an invited lecture at Daulat Ram College,
University of Delhi on 'Basics of Industrial and
Environmental Microbiology' as a Resource Person in
Botany Department, Daulat Ram College on March 19-
20, 2018.
• Worked for Environmental cause: Initiated 'Microbial
Composting of segregated organic kitchen wastes and other
biowaste' at departmental level, in specially designated pits
provided by our college in the college premises.
• Served as a jury member thrice during 2012 to 2014 in the
annual INSPIRE exhibition organized to judge and
motivate All India school children towards developing a
scientific temper and analytical mind at Pragati Maidan,
New Delhi.
• Taught various aspects of Food Microbiology and Food
Technology at Ministry of Micro, Small and Medium
Enterprises - Development Institute (MSME-DI) at
Okhla, New Delhi for 4 years consistently (2012-2015).

	• Delivered Guest Lectures on Immunodiagnostics at TIBBIA College (Unani Medicine), Karol Bagh, New
Awards	 Delhi under the Aegis of MSME-DI in October 2012. Awarded as 'Best Teacher' by the Delhi Government in 2020. Recipient of the prestigious German DAAD fellowship, and pursued my postdoctoral research at Max Planck Institute of Biochemistry, Munich, Germany during 1999-2000. Recipient of the 'Young Scientist Award' in 1997 in the 38th AMI Conference (Association of Microbiologists of India), held at Jamia Millia Islamia, New Delhi. AMI Best Poster Award in 33rd AMI annual conference at Goa in 1992. Qualified UGC National Eligibility Test (NET): Junior Research Fellowship, Senior Research Fellowship and
Lab Manual	Lecturership in 1990. Authored a student-friendly 'Lab Manual in Biochemistry, Immunology and Biotechnology' published from the reputed TATA McGraw publication in 2007 (Co-author: Prof. Arti
Publications	 Nigam). Rinki Minakshi, Safikur Rahman, Ayyagari Archana, Durg Dutta and Abhishek Shankar (2022). Understanding the tra Menstrual Irregularity after Covid Vaccination: A Bird's Ey of Female Immunology, Frontier's in Immunology, Jun 13 3224. doi: 10.3389/fimmu.2022.906091. eCollection 2022. 35769462; PMCID: PMC9234113. (Impact factor 8.787). Srivastava R and Ayyagari A. (2021). Moving towards and environmentally sustainable food sector through mitigation of food losses and wastage - A possibilitarians's approach. Invertis Journal of Renewable Energy, 11(1): 42-50. Online ISSN: 2454-7611, Print ISSN: 2231-3419 Dwivedi V, Ayyagari A, Chandran R, Diwan P, Gupta S, Gupta V. (2020). Repurposing Potential of Diminazene Aceturate as an Inhibitor of the <i>E. coli</i> DNA Gyrase B. Journal of Biomedical Research and Environmental Sciences. Oct 31; 1(6): 263-270. doi: 10.37871/jbres1153, Article ID: JBRES1153 (Impact factor: 4.070).

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Popular articles / Articles in Magazines /Newspapers:	 Srivastava A., Satyanarayana T. and Sharma A. (1998). Ecofriendly Papermaking. Science Reporter, January, 24-27. ISSN : 0036-8512. Srivastava A. and Satyanarayana T. (1992). Microbes for Pulping. Science Reporter, September, 39-42. ISSN : 0036-8512. Srivastava A. and Satyanarayana T. (1992). Hot Prospects. Science Reporter, June, 38-41. ISSN : 0036- 8512. 	
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Innovation projects undertaken (DU sponsored):	 Academic Session 2014-2015: Assessment of Microbial & Chemical quality of drinking water samples from various localities of Delhi NCR and checking the efficacy of various technologies available to make it potable (SSNC 205). Academic Session 2015-2016: Plasmonic Nanostructures in Chemical and Biological Sensing (SSNC 302). 	
Guided M.Sc. Dissertation student	Guided a student Mr. Abbishek Choudhary of Galgotia's	
Life Memberships	 Microbiologists' Society, India (MBSI) Indian Science Congress Association (ISCA) Association of Microbiologists of India (AMI) Biotechnology Society of India (BSI) 	