

D.D.G.D. VAISHNAV COLLEGE (AUTONOMOUS)

1	Name	Dr. R. Ashwini
2	Designation	Assistant Professor
3	Department	PG Department of Biotechnology
4	Employee Id	EC04007
5	Date of Birth	29.08.1991
6	Gender	Female
7	Date of Appointment in this institution	17.06.2019
8	Experience in this institution	3 years 6 months
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11	EDUCATION DETAILS (from highest qualification):				
S. No.	Degree	Institution	University	Year of study	Grade/Class
1	Ph.D.	Thiruvalluvar University	Thiruvalluvar University	2014 - 18	Highly Commended
2	M. Phil.	Thiruvalluvar University	Thiruvalluvar University	2013 - 14	First Class
3	M.Sc. (Intg)	VIT	VIT	2008 - 13	First Class

12	Details of ORIENTATION/REFRESHER COURSES attended:			
S.No.	Orientation/Refresher	University/Institution	Duration	Date (from-to)

13	Details of SEMINARS, CONFERENCES, WORKSHOPS, FDPs etc. attended:				
S. No	Type (Regional/National/ International)	Theme (Workshop/Conference/Seminar/FDP)	Organized by	Duration	Date
1.	International	Microbiofiesta 2021	School of Biosciences & Technology, VIT	1 day	30.11.2021
2.	International	Microplastics 2020	Centre for	1 day	30.06.2020

			Nanotechnology, VIT		
3.	International	Next Generation sequencing methodologies and applications	PG and Research Department of Biochemistry, Bhaktavatsalam Memorial College for Women, Chennai	1 day	25.05.2020
4.	International	Recent Trends in Life science	Department of Biochemistry and Microbiology, Auxilium College (Autonomous), Vellore	2 days	12.12.2013 13.12.2013
5.	International	XXXVI Annual Conference of Environmental Mutagen Society of India (EMSI) and International symposium on Environmental exposures to Mutagens and Carcinogens	School of Bio-Sciences and Technology, VIT University, Vellore	5 days	04.02.2011 to 06.02.2011
6.	National	Biosciences	Col.Dr.Jeppiaar Research Park, Centre for Ocean Research jointly with Department of Biotechnology, Sathyabama Institute of Science and Technology in association with Ministry of Earth Sciences–Earth Science Technology Cell (MoES-ESTC)	4 days	16.08.2022 to 19.08.2022
7.	National	Expert Dialogs on Collective Action for Revitalizing Oceans	Sathyabama Institute of Science and Technology, Chennai jointly with MoES – National Centre for Coastal Research – Bay of Bengal Program – Inter Government organization in association with Ocean Society of India – Chennai	1 day	10.07.2022

			Chapter		
8.	National	Biomedical applications of Nanotechnology	Faculty of Allied Health Science, Chettinad Academy of Research and Education, Chennai	1 day	07.05.2022
9.	National	Site specific mapping of the oral microbiome and resistome in young adult healthy subject using next generation sequencing	Department of Microbiology, Saveetha Dental College and Hospitals, Chennai	1 day	25.05.2022
10.	National	Smart Nanomaterials – 2021	Faculty of Allied Health Science, Chettinad Academy of Research and Education, Chennai	1 day	16.10.2021
11.	National	Regulatory Noncoding Rnomics – Shaping Modern day Therapeutics	Manav – Human Atlas Initiative, India	1 day	30.09.2021
12.	National	Life Skills	Department of Education, Dr. MGR Educational and Research Institute, Tamilnadu, Chennai	4 days	10.08.2021
13.	National	Research, Innovation and Entrepreneurship in the Biotechnology Sector	Department of Biotechnology, St. Mary's College, Thrissur, Kerala	1 day	09.08.2021
14.	National	The Analytical Challenges and Promises of Single Cell Epigenomics	Manav – Human Atlas Initiative, India	1 day	29.07.2021
15.	National	World Nature Conservation and Tiger Day	Department of Tourism and Travel management, Dwaraka Doss Goverdhan Doss Vaishnav College (Autonomous), Chennai	2 days	28.07.2020 & 29.07.2020
16.	National	Moodle: Online Teaching Management Tool	Department of Management Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, India	1 day	06.07.2020

17.	National	Research methodology and SPSS	Shri Sant Gajanan Mahavidyalaya, Kharda, India and Thuljaram Chaturchand College, India	2 days	08.06.2020 & 09.06.2020
18.	National	Aves Life – Lesson from Birds	Department of Tourism and Travel management, Dwaraka Doss Goverdhan Doss Vaishnav College (Autonomous), Chennai	1 day	05.06.2020
19.	National	Using SPSS to understand research and data analysis	Research Advisory Committee, Aditi Mahavidyalaya, University of Delhi in collaboration with ICFAI Business School (IBS) Gurgaon	1 day	24.05.2020
20.	National	Environmental Forensics	Department of Environmental Biotechnology, School of Environmental Sciences, Bharathidasan University, Tiruchirappalli	3 days	19.05.2020 to 21.05.2020
21.	National	Patenting Inventions in India	Department of Biochemistry, Ethiraj College for Women, Chennai, Tamilnadu, India	1 day	16.05.2020
22.	National	Use of Elsevier tools in Research Workflow	Department of Commerce, University of Madras, Chennai, India and Elsevier, India	1 day	05.05.2020
23.	National	Public health Microbiology : Issues, Challenges and Prevention	Bioconsortium-2016, Department of Biotechnology, Madras Christian College, Chennai	2 days	21.10.2016 & 22.10.2016
24.	National	Emerging trends in medical and environmental	Department of Biotechnology, Kanchi Shri Krishna	1 day	06.03.2015

		biotechnology	College of arts and science, Kanchipuram		
25.	National	Recent Advances in Biomedical Technology	Department of Biotechnology, Thiruvalluvar University, Vellore	2 days	26.02.2015 & 27.02.2015
26.	National	Emerging Multidrug Resistant (MDR) and Extensively Drug Resistant (XDR) Microbes	Mic – Bio windhover 2014, Department of Microbiology, DKM College for Women (Autonomous), Vellore	1 day	10.01.2014
27.	National	Unbound opportunities in Food Processing	Tamilnadu Agricultural University, Coimbatore	1 1day	13.10.2010
28.	State	Human Resource Development	Tamil Nadu State Council for Science and Technology, Chennai	1 day	06.10.2021
29.	State	Novel insights on Rapid Diagnostic methods and Drug Discovery for Covid-19	Department of Zoology, Sadakathulla Appa College, Chennai	1 day	20.05.2020
30.	State	Emerging Global Careers in Biotechnology	Alpha Arts & Science College, Chennai	1 day	17.05.2020
31.	State	Optimal use of Research Indicators, Tools & Techniques, Research Intelligence and Scholarly Communication	Bharathi Women's College, Chennai, Tamilnadu, India in association with Madras Library Association, Chennai	1 day	19.10.2019
32.	State	VIT BIOSUMMIT	School of Biosciences and technology, VIT University, Vellore	2 days	07.08.2014 & 08.08.2014
33.	State	Emerging trends in medical and environmental biotechnology	School of Biosciences and Technology, VIT University, Vellore	3 days	03.04.2012 to 05.04.2012
34.	Guest lecture	Entrepreneuership in Life Sciences and insights into Microarray Technologies	School of Bio-Sciences and Technology, VIT University, Vellore	1 day	06.02.2011
35.	Training Program	ICT tools for effective teaching – Formative	Dwaraka Doss Goverdhan Doss	2 days	17.09.2020 &

		and Summative	Vaishnav College (Autonomous), Chennai		18.09.2020
36.	Training Program	ICT Competency for Higher Education Teachers	Dwaraka Doss Goverdhan Doss Vaishnav College (Autonomous), Chennai	3 days	13.07.2020 to 15.07.2020
37.	Training Program	IPR awareness training program	National Intellectual Property Awareness Mission, India	1 day	10.03.2022
38.	Training Program	Mining Metabolites: From Plants to Microbes	School of Biosciences and Technology, VIT University, Vellore	3 days	29.08.2016 to 31.08.2016
39.	Training Program	Plant transgenic Technology	Institute of Plant Genetics, Gottfield ilhelm Leibniz University, Hannover, Germany, Indo – German Centre for excellence in Bio Sciences (IGCEB) and School of Bio Sciences and Technology, VIT University, Vellore	1 day	29.01.2012
40.	Skill Development Program	Emerging Advancements and Technologies in the field of Life Sciences Teaching and Research	PG and Research Department of Zoology, Dr. Ambedkar Government Arts College, Chennai	3 days	08.07.2020 to 10.07.2020
41.	Professional Development Program	Avenues of Biotechnology	Faculty of Life Science and Humanities, SRM Institute of Science and Technology, Chennai	7 days	20.06.2022 to 26.06.2022
42.	Faculty Development Program	Research Prospects and Progress in Biological Sciences – RPPBS 2022	Faculty of Life Science and Humanities, SRM Institute of Science and Technology, Chennai	4 days	04.07.2022 to 07.07.2022
43.	Faculty Development Program	Sustainability, Conservation and Protection of Water resources	Centre for Ocean Research, Dr. Jeppiaar Research Park, Chennai	5 days	22.03.2022 to 26.03.2022

44.	Faculty Development Program	Research and Technology Development in Life science	Department of Biotechnology, Dr. MGR Educational and Research Institute, Chennai	5 days	14.03.2022 to 18.03.2022
45.	Faculty Development Program	Developmental Techniques in Biological Sciences	Department of Biotechnology, Faculty of Sciences and Humanities, SRM Institute of Science and Technology, Chennai	7 days	20.10.2021 to 26.10.2021
46.	Faculty Development Program	Recent Trends in Science, Technology, Engineering and Mathematics	Reva University, Bangalore, Karnataka5	5 days	16.08.2021 to 19.08.2021 & 23.08.2021
47.	Faculty Development Program	Open-Source Tools for Research	Teaching Learning Centre, Ramanujam College, Delhi	7 days	08.06.2020 to 14.06.2020
48.	Faculty Development Program	Managing Online Classes and MOOCs	Teaching Learning Centre, Ramanujam College, Delhi	2 weeks	20 05.2020 to 06.05.2020

14 Details of Papers published in CONFERENCES/attended Conferences:					
S. No.	Type (Regional/National/International)	Name of the Conference	Name of the paper presented/Attended	Organized by	Date
1.	International	Novel Biotechnological Approach to Sustain in Pandemic Scenario	Biosorption of pesticide Chlorpyrifos by Halophilic bacterial strain GAD3 - <i>Halomonas elongata</i> and its assessment in plant <i>Trigonella foenum graecum</i>	Department of Biotechnology and Research, SNMV, CAS, Coimbatore	15.07.2021 to 17.07.2021
2.	International	Virtual International Conference on Advancements in Nanotechnology	Alginates as Medicament in Pharmaceuticals	Association of Global Academicians and Researchers and Association of Indian Biologists, India	01.11.2020
3.	National	Bio-Diversity	Biophotovoltaics –	Department of	28.09.2019

		and Sustainable Management	An alternative for Chemical induced Solar Cell	Biotechnology, Alpha Arts & Science College, Chennai,	
4.	International	Recent Advances in Biomedical Technology, RABT – 18	Biogenic approach in synthesis and characterization of Titanium dioxide nanoparticles by halophilic bacteria	Department of Biotechnology, Thiruvalluvar University, Vellore	29.08.2018 to 31.08.2018
5.	International	Emerging trends in Biosciences	Divergence of Halophilic archaea and bacteria by various conventional methods	MMES college for Women, Vellore	27.02.2018 & 28.02.2018
6.	International	CTECBS - 18	Platitudinous methods in peculiarizing haloarchaeal and eubacterial strains	DKM College for Women (Autonomous), Vellore	15.02.2018 & 16.02.2018
7.	National	Recent Scenario of Environmental Pollution in India – NSRSEPI 2017	Biorecovery and reuse of textile azo dye methyl orange by moderately halophilic bacterium	Department of Zoology, Thiruvalluvar University, Vellore	05.10.2017
8.	International	Recent Advances in Bioresource Technology, RABT – 17	Photonic potential of Haloarchaeal pigment Bacteriorhodopsin for future electronics: Review	Department of Biotechnology, Thiruvalluvar University, Vellore	15.02.2017 to 17.02.2017
9.	National	Wonders of the small: Exploring the Microbial world	Secondary metabolite production by Endophytic Fungi isolated from <i>Andrographis paniculata</i>	Microarena, Microbiology Programme, Pondicherry University, Pondicherry	03.04.2014 & 04.04.2014

15	Details of visit as a RESOURCE PERSON:			
S. No.	Type (Guest Lectures, Workshops, Conferences Or Seminars/ Ph.D, Viva-voce Examination)	Title	Institution Name	Date
1	Guest lecture	Post Covid – The	Department of	30.10.2021

		New Era	Microbiology, Sacred Hearts College (Autonomous), Thirupattur	
2	Conference	'Application of Bacterial Dye Sensitized Solar Cells in Energy Efficiency	Marian Center for Advance Research (MCAR), Research Division of St. Mary's College Thrissur, Kerala	07.12.2021

16	Details of publication of Articles/ Chapters written in EDITED BOOKS:			
S. No.	Book Name	Title of Articles/Chapters	Name & Address of the Publisher	Month & Year of Publication
1.	Nanobiomaterials: Research Trends and Applications	Nanobiomaterials in bioremediation	CRC press	In press
2.	Nanobiomaterials: Research Trends and Applications	Nanobiotechnology and Chemotherapy	CRC press	In press
3.	Nanobiomaterials: Research Trends and Applications	Bionanotechnology in Robust Biosolar cells	CRC press	In press
4.	Pullulan: Processing, Properties, and Applications	Factors affecting pullulan production	Jenny Stanford Publishing	December 2020
5.	Pullulan: Processing, Properties, and Applications	Biomedical applications of pullulan	Jenny Stanford Publishing	December 2020
6.	Pullulan: Processing, Properties, and Applications	Polysaccharide – An Overview	Jenny Stanford Publishing	December 2020
7.	Alginates: Applications in the Biomedical and Food Industries	Alginates in Comestibles	Elservier	February 2019
8.	Alginates: Applications in the Biomedical and Food Industries	Alginates: Current uses and future perspectives	Elservier	February 2019
9.	Marine	Chitosan and its	Jenny	January 2019

	Polysaccharides	biomedical applications	Stanford Publishing	
10.	Marine Polysaccharides	Nutraceutical Efficiency of Fucan Polysaccharides from Marine Sources	Jenny Stanford Publishing	January 2019
11.	Marine Polysaccharides	Supplementary and Medicinal Properties of Ulvan Polysaccharides	Jenny Stanford Publishing	January 2019
12.	Handbook of Bionanocomposites	Versatile bionanocomposites for industrial applications	CRC Press	October 2018

17	Details of individual/collaborative MAJOR/MINOR research project undertaken:					
S. No.	Title of the Project	Name & Address of the Collaborating Faculty	Funding Agency	Fund Sanctioned	Period	Duration
1	Isolation of bacterial endophytes from salt – marsh plants and screening for its plant growth promoting activity	None	TNSCST	Rs. 7500/-	March 2022 – May 2022	3 months

18	Details on RESEARCH GUIDANCE:				
S.No	Type (FT/PT)	Name of the candidate	Title of the Dissertation	University	Status

19	Details of papers published in JOURNALS:						
S. No.	Journal	Name of	Title of the	Name of the Co-	Vol	Month	Impact

	Type (National/International)	the Journal	article	authors	No, Issue No, Page Nos, ISSN No/DOI	and year of Publication	Factor/SCI/Scopus (if any)
1.	International	Microbiological Research	Characterization of petroleum degrading bacteria and its optimization conditions on effective utilization of petroleum hydrocarbons	Mounesh Ravuri, Ramkishore Krishnan, Jayaraman Narenkumar, Kasi Anu, Mohamad S Alsalhi, Sandhanasamy Devanesan, Seralathan Kamala-Kannan, Aruliah Rajasekar	127184	2022	5.4
2.	International	Biology Bulletin	Compilation of Analytical Techniques for Discrimination of Halophilic Archaea and Bacteria	Vijayanand, S. & Hemapriya, J.	https://doi.org/10.1134/S1062359022130167	2022	0.4
3.	International	Rhizosphere	Response Surface Modelling through Box-Behnken approach to optimize bacterial quorum sensing inhibitory action of Tribulus terrestris root extract	Vadakkan, K., Gunasekaran, R., Choudhury, A.A., Arumugham, S., Hemapriya, J. and Vijayanand, S.	6, pp.134-140	2018	-
4.	International	Current Microbiology	Photonic Potential of Haloarchaeal Pigment Bacteriorhod	Vijayanand, S. & Hemapriya, J.	74(8), 996 – 1002	2017	1.55

			opsin for Future Electronics: A Review				
5.	National	International Journal of Current Microbiology and Applied Sciences	Biotechnological Applications of Halophilic Pigments– An Overview	Manjula, D., Jeevitha, P., Ramya, I., Hemapriya, J.	7(7), pp.4392-4398.2	2018	-
6.	National	International Journal of Current Microbiology and Applied Sciences	Prodigiosin mediated biosynthesis of silver nanoparticles (AgNPs) and evaluation of its antibacterial efficacy	Karthika, D., Vadakkan, K., Shyamala, A., Hemapriya, J. and Vijayanand, S	4(11), pp.868-874	2015	-
7.	International	Asian Pacific Journal of Tropical Biomedicine	Comparison of antioxidant activity and total phenolic content of <i>Amaranthus tristis</i> and <i>Celosia argentea</i> var <i>spicata</i> .	Iswarya, V., Gopalakrishnan, D., Manivannan, B., Sathiavelu, M. and Arunachalam, S.	2012, 1 - 4	2012	-
8.	International	European Journal of Experimental Biology	Evaluation of heavy metals in medicinal plants growing in Vellore District	Gajalakshmi, S., Iswarya, V., Divya, G., M., Mythili, S. and Sathiavelu, A.	2 (5):1457-1461.	2012	-
9.	International	International Journal of Biomedical Science and Technology	Secondary metabolite production by endophytic fungi isolated	Gajalakshmi, S., Iswarya, V., Bhuvaneshwari, M., Mythili, S. and Sathiavelu, A	5, pp.12-17	2012	-

			from Andrographis paniculata.				
10.	International	Journal of Pharmacy Research	Terminalia chebula-a pharmacolog ical review	Gajalakshmi, S., Mythili, S. and Sathiavelu, A.	4(9), pp.2884- 2887	2011	-

20	Details of AWARDS received:		
S.No	Title of the Award	Awarding Agency / University / Government	Month/Year

21	Details of MEMBERSHIP IN EDITORIAL BOARD/ACADEMIC AGENCIES/BODIES:			
S.No	Name of the Journal/Magazine/Agency	Position in the Board	ISBN/ISSN No.(if any)	Year

22	POSITIONS HELD in this institution:		
S. No.	Institution/Department Level	Position	Duration