

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

1	Name	Dr. S.N.Nisha
2	Designation	Assistant Professor
3	Department	Biotechnology
4	Employee Id	EC04016
5	Date of Birth	08.11.1985
6	Gender	Female
7	Date of Appointment in this institution	19.06.2024
8	Experience in this institution	2 months
9	Official Mail Id	snnisha@dgvaishnavcollege.edu.in
10	Blood Group	

11	EDUCATION DETAILS (from highest qualification):				
S. No.	Degree	Institution	University	Year of study	Grade/Class
1	PhD	UPASI Tea Research Foundation, Valparai, TN	Bharathiar University	2010 – 2015	NA
2	M.Sc	PSG College of Arts and Science, Coimbatore, TN	Bharathiar University	2006-2008	First class
3	B.Sc	Karpagam College of Arts and Science, Coimbatore, TN	Bharathiar University	2003-2006	First class with distinction

12	Details of ORIENTATION/REFRESHER COURSES attended:			
S.No.	Orientation/Refresher	University/Institution	Duration	Date (from-to)
1.	AICTE-ISTE approved orientation/refresher programme on Nanotechnology in Healthcare	PSG College of Technology, Coimbatore	7 days	06 – 12 January 2022.

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.	National	Online training course on “Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials”	Indian Institute of Remote Sensing (IIRS), ISRO Dehradun	20 days	13 June 2020 to 01 July 2020.
2.	National	Participated in Intellectual property Awareness/Training program under NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION	Intellectual Property Office and MoE's Innovation Cell, India.	1 day	June 22, 2022
3.	National	Five day Faculty Development Program on Interdisciplinary Translational Science & Engineering	Centre for Biomaterials, Cellular & Molecular Theranostics (CBCMT) at Vellore Institute of Technology (VIT), Vellore, India	5 days	18 – 22 July 2022.
4.	National	FDP/SDP on “Recent advances in Science and Technology Innovations”	Department of Biotechnology, Vignana's Foundation of Science, Technology and Research in collaboration with ICAR	5 days	20 – 24 June 2022.
5.	National	ATAL Online Elementary FDP on "Smart Production Technologies for Horticultural Crops (Combating climate change through Innovations and sustainability)"	National Institute of Food Technology Entrepreneurship and Management	5 days	04 – 08 October 2021.
6.	National	FDP on “Developmental techniques in Biological Sciences”	Department of Biotechnology, Faculty of Science and Humanities, SRM Institute of Science and Technology	7 days	20 – 26 September 2021.
7.	National	ATAL Online Elementary FDP on "Fermentation Technology & Biochemical Engineering"	Jeppiaar Engineering College	5 days	02 – 06 August 2021.
8.	National	ATAL Online Elementary FDP on "Application of Artificial Intelligence in Research and development"	CSIR -Advanced Materials and Processes Research Institute, Bhopal	5 days	05 – 09 July 2021.

9.	National	Five day online FDP on “Emerging trends in Biotechnological advancements: Challenges and prospects in tackling human diseases”	Department of biotechnology, National Institute of Warangal	5 days	13 – 17 July 2020.
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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	“Emerging water pollutants: A review on the detection and degradation strategies” as oral presentation	2 nd International conference on Waste, Energy and Environment – ICWEE 2021	Centre for Waste management, Sathyabama Institute of Science and Technology, Chennai	23-9-2021 and 24-9-2021.
2	International	“Evaluation of antioxidant and anti-diabetic characteristics of polyphenols from natural sources” as a poster under the theme “Health Sciences”	International conference on “Recent advances in Applied sciences, technology and health (RASTH 2021)	SRM Institute of Science and Technology, Chennai.	3-5th March 2021.
3	International	“Purification and molecular characterization of chitinase from tea leaves [Camellia sinensis (L.) O. Kuntze]” as Poster – 3 rd place	World Tea Science Congress.	Tea Research Centre, Tocklai Experimental Station, Jorhat, Assam	December 2011.
4	Regional	“Role of chitinase in plant resistance” as oral presentation – 2 nd place	Dr. C.S.Venkata Ram memorial Annual Tea Colloquium	UPASI TRF, Valparai	September 2011.
5	Regional	“Plants & Obligate pathogens: secrets of gaining compatibility” as oral presentation – 1 st place	Dr. C.S.Venkata Ram memorial Annual Tea Colloquium	UPASI TRF, Valparai	August 2010.
6	Regional	“Agrobacterium-mediated transformation of tea & analysis of transient expression of GUS	Dr. C.S.Venkata Ram memorial	UPASI TRF, Valparai	September 2009.

		gene” as oral presentation – 1 st place	Annual Tea Colloquium		
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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

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	Kumar, N. (eds): Biosynthesis of Natural Products in Plants.	Thirugnanasambant ham, K., Nisha, S.N., Priya Dharshini, L.C., Mandal, A.K.A. Biotechnology Towards Improvement of Plants for Enhancement of Natural Products. https://doi.org/10.1007/978-981-97-2166-5_4	Springer, Singapore.	June, 2024
2	Verma, P.K., Mishra, S., Srivastava, V., Mehrotra, S. (eds) Plant Pathogen Interaction.	Pandey, A.K., Dinesh, K., Nirmala, N.S., Dutta, ; Fusarium Wilt of Tomato: Past, Present, and Future. https://doi.org/10.1007/978-981-99-4890-1_3	Springer, Singapore.	January, 2024
3	Kumar, N., S. Singh, R. (eds) Biosynthesis of Bioactive Compounds in Medicinal and Aromatic Plants.	Thirugnanasambant ham, K., Nisha, S.N., Mandal, A.K.A; Novel Secondary Metabolites in Tea and Their Biological Role in Communicable and Noncommunicabl	Springer, Cham.	August, 2023

	Food Bioactive Ingredients.	e Human Diseases.		
4	Arunachalam, K., Yang, X., Puthanpura Sasidharan, S. (eds) Bioprospecting of Tropical Medicinal Plants.	Nirmala, N.S., Krishnan, N.B., Vivekanandan, V., Thirugnanasambantham, K. Anti-inflammatory Potential of Lead Compounds and Their Derivatives from Medicinal Plants. https://doi.org/10.1007/978-3-031-28780-0_50	Springer, Cham.	August, 2023
5	Molecular Response and Genetic Engineering for Stress in Plants, Volume 2.	Abhay K Pandey, Nisha Sam Nirmala, K Dinesh and Ajit Kumar Savani; Plant adaptive mechanisms against soilborne diseases	IOP Publishing, Bristol	November 2022

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
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18 Details on RESEARCH GUIDANCE:					
S.No	Type (FT/PT)	Name of the candidate	Title of the Dissertation	University	Status
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19 Details of papers published in JOURNALS:	
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S. No	Journal Type (National/ International)	Name of the Journal	Title of the article	Name of the Co-authors	Vol No, IssueNo, Page Nos. ISSN No/DOI	Month and year of Publication	Impact Factor/ SCI/Scopus (if any)
1	National	Indian Phytopathology.	Biocontrol efficiency of Trichoderma asperellum in managing branch canker disease of tea (Camelia sp.), its effect on vegetative growth, natural enemies and phytotoxicity.	Kumhar, K.C., Babu, A., Arulmariamathan, J.P..., Sam Nirmala Nisha.	10.1007/s42360-02400732-2	2024	1.5 SCOPUS
2	International	Current Research in Biotechnology	Insight into tomato plant immunity to necrotrophic fungi.	Abhay K. Pandey, K. Dinesh, Nisha Sam Nirmala, Abhishek Kumar, Dipankar Chakraborti, Ashok Bhattacharyya.	Vol 6, 100-144, ISSN 2590-2628, https://doi.org/10.1016/j.crbiot.2023.100144 .	2023	3.6 SCOPUS
3	International	Computational Intelligence and Neuroscience	Grey Blight Disease Detection on Tea Leaves Using Improved Deep Convolutional Neural Network.	J. Arun Pandian, Sam Nirmala Nisha, K. Kanchanadevi, Abhay K. Pandey and Samira Kabir Rima.	8270	2023	2.284
4	National	IJAEB	Application of Ampellomyces quisqualis and some Non-Chemical Measures for Managing Powdery Mildew Disease: A Review	KC Kumhar, DP Singh, BL Sharma, A Kumar, SN Nisha, A Babu.	16(02): 149-158. DOI: 10.30954/0974-1712.02.2023.12	2023	
5	National	Int. J. Ag. Env. Biotech	Trichoderma spp. of West Bengal Tea Cropping System: Study on Cultural Characteristics and Conidia Production Potency.	Kumhar, K.C., Babu, A., Bordoloi, M., Nisha, S.N. and Singh, D.P.	15(02): 167-173.	2022	
6	National	Journal of Applied Nanotechnology.	Agricultural Pest Management with PlantDerived Nanopesticides:	Deka B, Nisha SN, Baruah C, Babu A, Satkar S et al.	2022;1(1):1-9.	2022	

			Prospects and Challenges.				
7	International	Physiology and molecular biology of plants	Biochemical and molecular studies on the resistance mechanisms in tea [Camellia sinensis (L.) O.Kuntze] against blister blight disease.	S.N.Nisha, G.R.Prabu and A.K.A.Mandal.	24(5): 867-880	2018	3.9 SCOPUS WoS - SCIE
8	International	Appl.Biochem.Biotechnol	Mechanism of Fenpropathrin resistance in Red spider mite, Oligonychus coffeae (Acaricus :Tetranychidae), infesting Tea [Camellia sinensis L.(O.Kuntze)]	Roobakkumar A., Prabu, G.R., Nisha Sam., Jasim Rahman, V and Babu A	181: 548-561.	2017	3.1 WoS – SCIE & SCOPUS
9	National	Journal of Plantation Crops	A rapid and simple chitinase assay to screen tea genotypes for resistance against blister blight.	S.N.Nisha, G.R.Prabu and A.K.A.Mandal.	42(2): 210-214	2014	0.4
10	National	Two and a Bud	Purification and molecular characterization of chitinase from tea leaves (Camellia sinensis (L.) O. Kuntze).	S.N.Nisha, G.R.Prabu, A.K.A.Mandal and S.Arvinth.	58: 44-47	2011	

20	Details of AWARDS received:		
S.No	Title of the Award	Awarding Agency / University / Government	Month/Year
1	Senior Research Fellow	Tea Board Of India – XI five year plan	2011
2	Junior Research Fellow	Tea Board Of India – XI five year plan	2009

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

1	Society for Plant Biochemistry and Biotechnology	Member	-	2021
2	International Association of Engineers	Life time member	-	-

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