

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

1	Name	Dr.P.Indumathi
2	Designation	Assistant Professor
3	Department	Biotechnology
4	Employee Id	ECO3009
5	Date of Birth	19.12.1979
6	Gender	Female
7	Date of Appointment in this institution	25.6.2008
8	Experience in this institution	14
9	Official Mail Id	indumathip@dgvaishnavcollege.edu.in
10	Blood Group	O+ve

11	EDUCATION DETAILS (from highest qualification):				
S.No.	Degree	Institution	University	Year of study	Grade/Class
1	UG	Zoology	Meenakshi College for Women, University of Madras	April 2001	First class
2	PG	Biochemistry	Meenakshi College for Women, University of Madras	April 2003	First class
3	M.Phil	Genetics	Dr.ALMP. Institute of Basic Medical Science, University of Madras	August 2004	First class
4	Ph.D	Biochemistry	Bharathiyar University	22 nd February 2018	Exemplary

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/Semi nar/FDP)	Organized by	Duration	Date
1	International	XXXI Annual Conference of the EMSI and International Symposium on Environmental Mutagens and Public Health	Food and Drug Toxicology Research Centre, NIN(ICMR), Hyderabad	3 days	23.2.2006 to 25.2.2006
2	Regional	Symposium on Role of Laboratories in Trauma care and Pre-emptive Prevention of Human Diseases	PG and Research Department of Advanced Zoology and Biotechnology and Loyola Institute of Vocational Education .	2 days	17.12.2008 & 18.12.2008
3	Regional	Seminar on Impact of Diabetes Mellitus on Heart- Metabolic and Clinical facets- Role of Biochemists	Department of Biochemistry ,DD GDVC	1 day	19.11.2011
4	State level	State level Workshop on Computational Biology	Department of Biotechnology, DDGDVC	2 days	5.1.2012 & 6.1.2012
5	Regional	Seminar on Bioenergy-An Universal Solution to Fuel Crisis	Department of Microbiology, DDGDVC	1 days	18.9.2013
6	State level	State level workshop on Animal Cell Culture Technique	Department of Biotechnology, DDGDVC	2 days	19.9.2013 & 20.9.2013
7	National	National conference on Herbal Medicine	Frontier Mediville	2 days	9.10.2013 & 10.12.2013
8	State level	State level Symposium on Biofertilizer For Sustainable Agriculture	Department of Biotechnology, DDGDVC	1 day	11.2.2014

9	National	National conference on Dietary Interventions and signaling cascades in health diseases	Department of Medical Biochemistry	2 days	21.2.2014 & 22.2.2014
10	State level	State level Seminar on Future of Biotechnology	Department of Biotechnology, DDGDVC	1 day	28.1.2015
11	Regional	Intercollegiate seminar on New Horizons in Biosciences	Jaya College of arts and science	1 day	6.2.2015
12	National	National seminar on Environment Toxicology and its impact on Biodiversity	Kumararani Meena Muthaih College of Arts & Science	1 day	1.9.2017
13	National	National Seminar on Herbal Drug Development	Sengamala Thayaar Educational Trust Womens College	1 day	22.9.2017
14	Regional	Workshop on Molecular Techniques	DDGDVC & Himedia Laboratories	1 day	22.1.2018
15	National	National Seminar on Biotechnological Approaches Towards Sustainable Future	Department of Biotechnology, DDGDVC	1 day	28.2.2018
16	Regional	Workshop on Research Methodology- Data Analysis(SPSS) in Social Sciences Research	Department of Economics, DDGDVC	1 day	13.4.2018
17	National	National conference on Recent Trends in Applied Perspectives of Plant Sciences(NCAPS-2018)	Department of Botany, Pachaiyappa's College , Chennai-600 030	2 day	27.2.2018 & 28.2.2018
18	Regional	Intercollegiate seminar cum Competition- Recent Scenario in Life Style Changes- Back o the Future	Asan Memorial College of Arts And Science	1 day	5.10.2018
19	State	Magnetic NANO particles In Stem Cell Technology-	Tamilnadu Verterinary And Animal Sciences	1 day	12.10.2018

		Workshop	University, Madras Vetinary College		
20	State	Conference on From laboratory practices to clinical applications	Indian Association of Biomedical Scientists(IABMS) and supported by Department of Biochemistry, DDGDVC	1 day	25.1.2 019
21	National	National conference on Recent advances in Chemical Research	Department of Chemistry, SRM, Ramapuram	1 day	12.9. 2019
22	National	National conference on Environment and food sustainability	Guru Nanak College	1 day	27.9 2019
23	State	Workshop on Intellectual property rights	MGR Janaki college	2 days	12.12. 2019 & 13.12. 2019
24	National	National Seminar on health 2020- An alternative perspective	Ethiraj College for Women	1 day	7.1.20 20
25	National	National Conference on Recent Innovations in Biotechnology	Aarupadai Veedu Institute of Technology, Paiyanoor	1 day	29.9.2 02
26	State	Myth and facts of Novel Corona Virus (COVID19)- Webinar	PG & Research Department of Biochemistry ,Asan Memorial college of arts and science	1 day	2.5.20 20
27	State	Intellectual property rights- Webinar	SECAB Institute of engineering technology	1 day	14.5.2 020
28	National	Patenting Inventions In India- Webinar	Department of Biochemistry,	1 day	16.5.2 020

			Ethiraj College for women		
29	Regional	Quiz on Food Adulteration	Department of Chemistry, Justice Basheer Ahmed College for Women	1 day	16.5.2020
30	Regional	Quiz on Guidelines for the Management of health and Hygiene in COVID 19 pandemic	Department of Biotechnology, SRM Arts and Science College	1 day	18.5.2020
31	Regional	Biochemical aspects of vitamin D on COVID 19 -Webinar	Department of Biochemistry, DG Vaishnav College	1 day	18.5.2021
32	Regional	Quiz on Chemistry Quiz on COVID -19	Department of Pharmaceutical chemistry, ARIBAS	1 day	21.5.2020
33	Regional	Quiz on COVID 19 - Biology and health implications	PG & Research Department of Zoology , Dr.Ambedkar Government arts and science college.	1 day	21.5.2020
34	Regional	Quiz on your health and your life	Department of Biochemistry, Justice Basheer Ahmed College for Women	1 day	22.5.2020
35	Regional	National level Quiz on COVID-19	PG & Research Department of Biochemistry, Mohamed Sathak College of arts and science	1 day	22.5.2020
36	International	Fragile x syndrome myths and facts on EC matrix of the Brain - Webinar	Department of Biochemistry, DG Vaishnav College	1 day	23.5.2020
37	Regional	Training on Search techniques	Library , DG	1 day	27.5.2

		and tools to enhance research methodology with EBSCOhost database	Vaishnav College		020
38	Regional	Re-Energizing classroom with innovative teaching techniques - Webinar	Department of Commerce, DG Vaishnav College	1 day	29.5.2020
39	Regional	Next generation sequencing methodologies and applications- Webinar	PG & Research Department of Biochemistry, Bhaktavatsalam Memorial College	1 day	25.5.2020
40	Regional	Educators learning on Entrepreneurship-Webinar	Development cell in association with IQAC, St.Thomas College of arts and Science	1 day	1.6.2020
41	Regional	Trinity of COVID 19: immunity, Implications and interventions - Webinar	Department of Microbiology, Biochemistry, PG departments of applied microbiology and Bioinformatics & clinical trial management, MGR Janaki college	3 days	4.6.2020 to 6.6.2020
42	Regional	Negating the negative emotions of COVID 19 -Webinar	School of Pharmacy, Sathyabama Institute of Science and Technology	2 days	8.6.2020 to 9.6.2020
43	Regional	Contemporary aspects in Biological Sciences -Webinar	Department of Biochemistry	3 days	10.6.2020 to 12.6.2020
44	Regional	Insilico Drug discover - Webinar	Annai Veilankannis College for women	1 day	11.6.2020

45	Regional	Living With CoVID 19 Keeping a healthy mind and body during the Pandemic- Webinar	Department of Biochemistry, Annai Veilankannis College for women	1 day	13.6.2 020
46	Regional	Menstrual Health & Hygiene Webinar	Department of Biochemistry, Annai Veilankannis College for women	1 day	27.6.2 020
47	Regional	Lock down and mental health Challenges -Webinar	D.G.Vaishnav College, & Yuva active Advocacy forum	1 day	6.7.20 20
48	National	FDA on ICT Competency for Higher Education Teachers	Internal Quality Assurance cell, DG Vaishnav College	3 days	13.7.2 020 to 15.7.2 020
49	International	Conference on Nutraceuticals as Immune boosters	Department of Biochemistry, D.G. Vaishnav College, Chennai	1 day	28.10. 20
50	National	Leadership Qualities- National Webinar	Department of social work, D.G. Vaishnav College, Chennai	1 day	17.10. 2020
51	Regional	How to Read Scientific Literature- Webinar	Department of Biochemistry, D.G. Vaishnav College, Chennai	1 day	23.1.2 021
52	Regional	Perspectives in Antioxidant Research-Current Scenario and Future Prospects-Webinar	Department of Biochemistry, D.G. Vaishnav College, Chennai	1 day	13.2.2 021
53	Regional	Career Prospects for Biochemistry in Pharma Industry and R&D- Webinar	Department of Biochemistry, D.G. Vaishnav College, Chennai	1 day	16.4.2 021
54	Regional	How to crack GATE Exam for	Department of	1 day	22.4.2

		Life science Students”- Webinar	Biochemistry, D.G. Vaishnav College, Chennai		021
55	Regional	Intellectual Property Rights and Innovations : Patents and Designs - Webinar	Department of Biochemistry, D.G. Vaishnav College, Chennai	1 day	26.4.2 021
56	Regional	Cheating of Cheater - COVID 19- Webinar	Department of Biochemistry, D.G. Vaishnav College, Chennai	1 day	28.5.2 021
57	National	FDP - Training on “CO PO Attainment	Internal Quality Assurance Cell of D.G. Vaishnav College	1 day	28.5.2 1
58	Regional	Heal –THY SEL- Eat what you need and not what you greed - Webinar	Department of Biochemistry, D.G. Vaishnav College, Chennai	1 day	5.6.21
59	Regional	Career Opportunities for Life Science Graduates -Webinar	Department of Biochemistry, D.G. Vaishnav College, Chennai	1 day	17.6.2 1
60	Regional	Thiosemicarbazones -The new wave in cancer treatment - Webinar	Department of Biochemistry, D.G. Vaishnav College, Chennai	1 day	18.6.2 1
61	Regional	CDP on Teamwork and Collaboration at Workplace	Department of Biochemistry, Annai Veilankannis College for women	1 day	22.7.2 1
62	International	International Workshop on Recent Trends in Scholarly Publishing and Researcher Tools & Techniques	PG & Research Department of Zoology, Pachaiyappa’s College , Chennai- 600030	2 days	22.7.2 1 & 23.7.2 1

63	Regional	FDP on Scientific Publications - Preparation of Manuscript	Department of Biochemistry, Annai Veilankannis College for women	1 day	14.7.21
64	Regional	Visualize your Future - Webinar	Department of Biochemistry, Annai Veilankannis College for women	1 day	29.7.21
65	National	FDP on Fermentation Technology & Biochemical Engineering	AICTE Training And Learning (ATAL) Academy Online Elementary at JEPPIAAR ENGINEERING COLLEGE.	5 day	2.8.21 to 06.8.21
66	State	3D Bioprinting Technology for Regenerative Medicine"- Webinar	Department of Biochemistry, Annai Veilankannis College for women	1 day	7.8.21
67	National	National Level Online Faculty Development Programme in Science Pedagogy	Department of Physics & IQAC, D.G. Vaishnav College, Chennai	7 days	9.8.21 to 16.8.21
68	National	FDP on Molecular Modelling and In-silico Drug Designing."	St.Joseph's College of Engineering.	5 days	23.8.21 to 27.8.21
69	International	International E-Conference on Novel Biotechnology Approach to sustain in pandemic Scenario	Sri Nehru Maha Vidhyalaya college, Coimbatore.	3 days	15.9.21 to 17.9.21
70	Regional	Career Prospects in Bio-Pharma Industry - Webinar	Department of Biochemistry, Dwaraka Doss Goverdhan Doss Vaishnav College	1 day	20.9.21
71	Regional	Recent Advances In Protein Engineering with a focus on	Department of Biochemistry,	1 day	22.9.21

		Antibody Drug Discovery - Webinar	Dwaraka Doss Goverdhan Doss Vaishnav College		1.
72	Regional	Research to Protect our Health and Environment - Webinar	Department of Biochemistry , Dwaraka Doss Goverdhan Doss Vaishnav College	1 day	28.9.21
73	Regional	Career Path of Life Science Aspirants - Webinar	Department of Biochemistry , Dwaraka Doss Goverdhan Doss Vaishnav College	1 day	4.10.21
74	Regional	Drug Discovery and Development:Current Technologies and Career Opportunities - Webinar	Department of Biochemistry , Dwaraka Doss Goverdhan Doss Vaishnav College	1 day	6.10.21
75	Regional	Life Science in Academics and Industry - Webinar	Department of Biochemistry , Dwaraka Doss Goverdhan Doss Vaishnav College	1 day	7.10.21
76	State	FDP on Avenues of Biotechnology	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY	7 days	20/06/2022 to 26/06/2022
77	State	FDP on Research prospects and Progress in Biological Science	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY	7 days	04/07/2022 to 10/07/2022.
78	National	National Conference on Recent Innovations in Biotechnology	Aarupadai Veedu Institute of Technology, Paiyanoor	1 day	29.9.2022

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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	XXXI Annual Conference of the EMSI and International Symposium on Environmental Mutagens and Public Health	Antioxidant activity of solvent extracts of Hemidesmus indicus(L.) : Estimated by using ABTS with Potassium persulfate decolorization Assay.	Food and Drug Toxicology Research Centre, NIN(ICMR), Hyderabad.	2006
2.	National conference	Herbal Medicine	Preliminary phytochemical Analysis and its Antioxidant potential of Persea americana Linn.	Frontier Mediville	9.10.201 3 & 10.12.20 13
3	National conference	Dietary Interventions and signaling cascades in health diseases	Antioxidant and Antimicrobial Activity of Mang Ginger (Curcuma Amada Roxib) Rhizome.	Department of Medical Biochemistry, Dr. ALMPG IBMS	21.2.201 4 & 22.2.201 4
4.	National seminar	Environment Toxicology and its impact on Biodiversity	Antioxidant and Antigenotoxic Activities of Root Extracts of Hemidesmus indicus(L.). International Journal of Industrial Engineering and management. Volume7 , Pg46-48	Kumararani Meena Muthaih College of Arts & Science ,	August 2017

			/ ISSN 2250-1096/ 2017 Bonfring Special Issue.		
5	National Seminar	Herbal Drug Development	Gas Chromatography - Mass spectroscopy of <i>Actinidia deliciosa</i>	Sengamala Thayaar Educational Trust Womens College	22.9.2017
6	National conference	Recent Trends in Applied Perspectives of Plant Sciences(NCA PS-2018)	In Sillico docking of Biological components identified in <i>Persea americana</i> and <i>Actinida deliciosa</i> using Aldose reductase and sorbito dehydrogenase.	Department of Botany, Pachaiyappa's College , Chennai- 600 030	27.2.2018 & 28.2.2018
7	National conference	Recent advances in Chemical Research	Antioxidant , Antimicrobial and Gc-Ms Analysis of <i>Actinida deliciosa</i>	Department of Chemistry, SRM, Ramapuram	12.9. 2019
8	International E-Conference	Novel Biotechnology Approach to sustain in pandemic Scenario	Isolation and Characterization of Pseudomonas Sp. And Staphylococcus species. Producing protease enzyme & its applications. International Journal of Life Sciences and Research (IJLR), Volume- 3; Issue -2 , Pg 77-82 / ISSN: 2321-7812.	Sri Nehru Maha Vidhyalaya college, Coimbatore.	Decemb er 2021

9	International E-Conference	Novel Biotechnology Approach to sustain in pandemic Scenario	Extraction of chitin and chitosan from prawn shell waste. International Journal of Life Sciences and Research (IJLR), Volume- 3; Issue -2 , Pg 77-82 / ISSN: 2321-7812.	Sri Nehru Maha Vidhyalaya college, Coimbatore.	December 2021
10	National Conference	Recent Innovations in Biotechnology	Extraction of chitin and chitosan from Cephalopoda, Brachyura and its Application.	Aarupadai Veedu Institute of Technology, Paiyanoor	2022
11	National Conference	Recent Innovations in Biotechnology	Isolation, identification, antibiotic and antagonistic activity of <i>Lactobacillus fermentum</i> against various pathogen	Aarupadai Veedu Institute of Technology, Paiyanoor	29.9.2022

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	Revision of Materials (TANSHE UG Syllabus Revamping)	Resource person	TANSHE	2022

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

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

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 Type (National/International)	Name of the Journal	Title of the article	Name of the Co-authors	Vol No, Issue No, Page Nos, ISSN No/DOI	Month and year of Publication	Impact Factor/SCI/Scopus (if any)

1	International	Journal of Acupuncture and Meridian Studies	In vitro Antioxidant Activities of Methanol and Aqueous Extract of Annona squamosa (L.) Fruit Pulp.	Elumalai Nandhakumar, Parameswaran Indumathi	Volume 6, Issue 3, Pages 142-148 pISSN 2005-2901 eISSN 2093-8152	June 2013	1.4
2	International	International Journal of Scientific Research publication	Comparative study on Physico & Phytochemical analysis of Persea americana and Actinidia deliciosa	Indumathi Parameswaran, Vijayalakshmi Krishna Murthi	4: 1-5. ISSN 2250-3153	2014	SJ Impact Factor 7.662
3	International	International Journal of Biological & Pharmaceutical Research	Quantification of phytochemicals and antioxidant potential of Persea americana and Actinidia deliciosa	Indumathi P, Vijayalakshmi K.	6(1): 6-11. e-ISSN 0976-3651 Print ISSN 2229 - 7480	2015	1.08

4	International	International Journal Scientific Progress and Research	Preliminary studies on anti-cataract activities of <i>Persea americana</i> & <i>Actinidia deliciosa</i> from chromatographic fractions and HPTLC analysis.	Indumathi Parameswaran, Vijayalakshmi Krishna Murthi	25(01), 20-26.	2016	SJIF- 6.23
5	International	World Journal of Pharmaceutical Research	Anticataract effect of the ethanol extracts of <i>Persea americana</i> & <i>Actinidia deliciosa</i> on sodium selenite induced in wistar albino rats.	Indumathi Parameswaran and Vijayalakshmi Krishnamurthi	5(8). 681-695. ISSN 2277-7105	2016	SJIF- 6.8
6	Asian	Asian Journal of Pharmaceutical and clinical research	Anticancer Effect of Methanolic Extract of <i>Annona squamosa</i>	Nandhakumar Elumalai, Indumathi Param	10(9);180-185 ISSN 2455-3891	2017	0.023

			on Mammary Carcinoma in Rats With Reference To Glycoprotei n Component s, Lysosomal and Marker Enzymes	eswar an, Sachi danan dam T Panch anant ham			
7	International	Internatio nal Journal of Pharmacy and Biological Sciences	GC-MS Analysis of <i>Pergularia</i> <i>daemia</i> and <i>Terminalia</i> <i>catappa l.</i> Leaf Extracts	Vijay a Packir isamy and Indum athi Param eswar an and Vijay alaksh mi.K	7(3); 21- 29.	2017	0.88
8	International	Internatio nal Journal of Pharmacy and Biological Sciences	Histopathol ogical and Gene Expression Studies on	Indum athi Param eswar an,Na nda Kuma	Volume 8 , Issue 4, 1206- 1212 ISSN: 2321- 3272	OCT- DEC, 2018	0.88

			Sodium Selenite Induced Cataract in Wistar Albino Rats using <i>Persea Americana & Actinidia Deliciosa</i> Ethanol Extracts	r Ellum alai and Vijay alaksh mi Krish namur thi.	(Print), ISSN: 2230- 7605 (Online)		
9	Web Of Sciences	Bulletin of Environm ent, Pharmacol ogy and Life Sciences	Extraction of Chitin and Chitosan from Prawn Shell Waste	Indum athi Param eswar an, V.Sa mpath , Vinith Kuma r, Sneha Satha pathi	Special Issue [1] : 557-562 ISSN 2277- 1808	2022	
10	Web Of Sciences	Internatio nal Journal of Zoologica l Investigati	Isolation and characteriz ation of bio- surfactant producing	Nirma lkuma r R., Uma S. and Indum athi	Vol. 8, Special Issue, 126-135	2022	

		ons	Bacteria	Param eswar an			
11	National	Antidiabet ic Potential of Kaempfer ol 3-O- gentiobios ide, a naturally available Flavonoid glycoside			Patent filled		2022

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
1	Indian Science Congress Association	Member		2022

22	POSITIONS HELD in this institution:		
S.No.	Institution/Department Level	Position	Duration
1	Department of Biotechnology	Hod In Charge	June 2012 to 16 th August 2012