

BIODATA

1. Name: Dr.G.CHELLADURAI
2. Department: ZOOLOGY
3. Designation: Assistant Professor
4. Date of Joining: 2/2/2022
5. Phone Numbers: 9629484026
6. E-mail i.d.: [chelladurai@gvncollege.edu.in/](mailto:chelladurai@gvncollege.edu.in) gcd.zoology@gmail.com
7. Educational Qualifications:



Degree	University	Year of pass
Ph.D Zoology	Manonmaniam Sundaranar University	November 2016
M.Sc (Zoology)	Kamaraj College, Manonmaniam Sundaranar University	2010-2012
B.Sc (Zoology)	Manonmaniam Sundaranar University	2007-2010
M.Sc (Psychology)	Tamil Nadu Open University, Chennai	2014-2016
B.Ed (Biological Science)	Tamil Nadu Teacher Education, Chennai	2019-2021
Agro-Technology	Tamil Nadu Technical Training Centre, Mayiladuthurai.	2010
PG Diploma in Hospital Management	Madurai Kamaraj Distance Education ,Madurai	2011
PG Diploma in Co- operative Management	Annamalai Distance Education, TamilNadu	2021
PG Diploma in Higher Education	Indragandhi National Open University , New Delhi	2018

8. Positions Held / Career Profile: Assistant Professor
9. Teaching Experience: UG 5 years PG : 02
10. Area of Specialization: Marine Pharmacology / Coastal Aquaculture
11. Research Experiences:

S.No	Position	Funded by	Project Title	Year
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1	Junior Research Fellow	Central Marine Fisheries Resources Ecology (Govt of India)	Drug from Sea	2012-2015
2	Junior Research Fellow	Indian Nation Ocean information Science (Govt of India)	Monitoring of data from Wave Rider Buoy	2015-2016
3	Swachhta Saarthi Fellowship	Department of Science and Technology (Govt of India)	Waste to wealth	2023- Till date

12. Award Received: (Last 5 years)

S.no	Name of the awards/project	Sponsored by	Year
6	Young Scientist Award	Society of Fisheries and Life Sciences, College of Fisheries, Mangaluru, Karnataka, India	2022
7	Best Oral Presentation award	National Conference on Post COVID -19 Complications- A Biotechnological Approach	2022
8	Best Author Award	Book Saga Publication, Maharashtra	2022

13. Courses and Subjects Taught:

S.No	Course	Subjects
1	I. B.Sc Botany (Allied Zoology)	Animal diversity-I & II, Genetics, Immunology, Animal Behaviour, Human Physiology & Embryology
2	I.B.Sc Chemistry (Allied Zoology)	Animal diversity-I & II, Genetics, Immunology, Animal Behaviour, Human Physiology & Embryology
3	II .B.Sc Botany (Allied Zoology)	Cell Biology, Genetics, Animal Physiology, Ecology & Applied Zoology
4	Value Added course	Hospital Management Ornamental Fish Culture & Management

14. Publications (Last 5 years)

a) Journals

S.No	Title of the Article	Name of the Journal	Vol : Issue	Indexed (Wos/ Scopus/ UGC)
1	Dietary supplementation of mushroom extract enhances growth and antioxidant levels of <i>Babylonia spirata</i>	Aquaculture Reports	2019,15:100218	Scopus (Elsevier)
2	Biochemical Composition of Some Commercially Important Marine Gastropods from Tuticorin Coast, South East Coast of India	EC Nutrition	2019,14.11: 26-42.	UGC Care
3	<i>Babylonia spirata</i> (Linnaeus, 1758) on biochemical and nutritional composition levels are altered by <i>Aeromonas hydrophila</i> infection	Biochemistry and Biophysics	2020, 22: 100746	Scopus (Elsevier)
4	Antibacterial, Antioxidant Potential of Marine Gastropod (<i>Chicoreus ramosus</i>), from Gulf of Mannar, Tuticorin Coast	Journal of Marine Science Research and Oceanography	2021, 3(1):1-5.	Peer review
5	Effect of phenol on the biochemical composition of indian major carp <i>Cirrhinus mrigala</i> ,	Uttar pradesh Journal of Zoology	2021, 42(2): 18-27	Web of Science/ UGC Care
6	sublethal effects of arsenic on somebiochemical and histological alterations in the muscle tissue of the milk fish	Uttar pradesh Journal of Zoology	2021, 42(3): 1-7	Web of Science/ UGC Care
7	Chemical Composition and Nutritional value of Paddy straw mushroom (<i>Calocybe indica</i>),	Nature Environment and Pollution Technology,	2021, 2(3):1157-1164	Scopus /UGC Care -II
8	Identification of natural chemical inhibitors against SARS-associated COVID-19	Microbiology Research International	2021, Vol. 9(x), 12:1-3	Peer review

9) Biomedical Waste Management: The World COVID-19 Scenario	International Journal of Graduate Research and Review,	2021, 7(4): 1-6.	Peer Reviewed
10	Phytochemical Reviews about <i>Oxystelma esculentum</i> ,	Annals of Pharma Research,	2021, 09(06);493-497	
11	Phytochemistry and pharmacology of the genus <i>Sesbania</i> , A traditional uses,	International Journal of Chemistry Studies,	2022, 6(1):8-10	
12	Current trends and future prospect of medicinal plants derived nutraceuticals: A review,	A review, Current Trends in Pharmacy and Pharmaceutical Chemistry	2022, 4(1):1–5	Peer review
13	Medical value of some insect	Green Reporter	2022, 8:35-39.	Peer review
14	Antidiabetic effects of marine brown algae <i>Spatoglossum asperum</i> J. Ag. ethanolic extract on 3T3-L1 Pre-Adipocytes activity an in vitro approach,	International Journal of Health Sciences	2022, 6(S4), 11828–11847	Scopus / UGC Care-II
15	Antibacterial attributes of various mushroom mycelium extracts against anti –infection safe <i>Aeromonas hydrophila</i> ,	Journal of Xi'an Shiyou University	2022, 18 (10):603-625	Scopus / UGC Care-II
16	Anti Diabetic potential of <i>Saptoglossum asperum</i> (Brown seaweed) ; Insilico model	Uttar Pradesh Journal of Zoology	2022, 43(19):48-57	Web of Science/ UGC Care-II
17	Coral Reef Associated Fish Fauna From Tuticorin Landing Centre, Gulf Of Mannar	Journal of Experimental Zoology, India	2022, 26 (1): 913-917	Web of Science/ UGC Care-II
18	Habitat use and species richness of marine molluscs along the Tuticorin Coast, Gulf of Mannar, India,	Journal of Experimental Zoology, India	26 (1): 913-917	Web of Science/ UGC Care-II
19	Plant based Chemical Inhibitors against SARS-Associated Coronavirus	Biological forum an international journal	Accepted	UGC Care-I

20	Identification and Response of the Effect of Environmental Changes and Ecosystem Services on Biodiversity,	Journal of applied science and environmental management	Accepted	Web of Science /UGC Care -II
21	Bacterial Flacherie in Bombyx mori (L): Isolation and Identification of Pathogenic Organism	Uttar Pradesh Journal of Zoology,	44(14);52-61	Web of Science/ UGC Care -II

b) Books Publication (Last 5Years)

S.No	Name of the Editors	Title of the Book	ISBN	Year
1	Dr.Chelladurai	Marine Nutraceuticals ; challenges and opportunities	Research Culture and Society and Publication 978-93-5279-062-3	2021
2	Dr. G. Chelladurai Dr.	Textbook of Essential Bioinformatics	Saliha Publications, Tamil Nadu, India ISBN: 978-81-948131-3-2	2021
3	Dr.G.Chelladurai	Covid-19 Global Pandemic: Effects of SARS-CoV-2 on Different Organs of Human Body	Academic Publications, New Delhi (978-93-93336-04-0)	2021
4	Dr. G. Chelladurai	Ethenopharmacological Properties of Muricidae Gastropods	Academic Publications, New Delhi (978-93-93336-03-3)	2021
5	Dr.G.Chelladurai	Biochemical Constituents of Apium graveolens and Colchicum autumnale and Their Role in the Treatment of Diseases	Academic Publications, New Delhi (978-93-93336-09-5)	2022
6	Dr.G.Chelladurai	Industrial Zoology	Krishna publication , Gujarat (978-93-90627-13-4)	2022
7	Dr.G.Chelladurai	Reckoning of Physicochemical Constraints of FreshWaters at Theni District,Tamil Nadu, India	Academic Publications, New Delhi (978-93-93336-06-4)	2022
8	Dr.G.Chelladurai	Immunology and Microbiology	SCI-TECH Publication (India)PVT.LTD, Chennai	2023

9	Dr.G.Chelladurai	Biological Chemistry	EMERALD Publishing PVT.LTD, Chennai	2023
10	Dr.G.Chelladurai	Forensic Zoology	SCI-Tech Publication (India) PVT.LTD	2023
11	Dr.G.Chelladurai	Allied Zoology (Invertebrata, Vertebrata, Cell Biology, Genetics and Ecology	Sanklap Publication PVT.LTD	2023
12	Dr.G.Chelladurai	Cell Biology Genetics, Animal Physiology and Ecology	INSTA Tech Publication	2023

b) Book Chapter (Last 5Years)

S. No	Authors Name	Title of the Paper	Title of the Book & Year	Year
National Publication				
1	Dr.G.Chelladurai	Precaution of Coronavirus	Researchers view on COVID-19 ISBN: 978-81-942871-5-5	2020
2	Dr.G.Chelladurai	National Educational Policy 2020 in India	New Education Policy –an Overview	2020
3	Dr.G.Chelladurai	Impact on Social Media in Health System	Impact of Social Media ISBN:978-93-5291-361-9	2020
4	Dr.G.Chelladurai	Impact of COVID-19 on Indian Agriculture and Industry	Impact of COVID- 19 on Agriculture and Industries ISBN: 978-93-90153-03-9	2020
5	Dr.G.Chelladurai,	Impact of Coronavirus on Indian Business	e-Commerce Operation and Supply chain Management ISBN :978-93-90996-35-3	2021
6	Dr.G.Chelladurai	Tribal education system India	Tribal education system in India	2021
7	Dr.G.Chelladurai	Government initiatives for Women Empowerment	Women in Indian Politics ISBN : 978-93-91002-70-1	2021
8	G.Chelladurai,	Proceedings of International Conference on Youth and Entrepreneurship Development	Entrepreneurship opportunities in life sciences ISBN : 978-93-5593-659-2	2022

9	Dr.G.Chelladurai	Impact of COVID19 in Indian democracy	Indian democracy ISBN:978-93-90692-23-1	2022
10	Dr.G.Chelladurai	Sustainable Agriculture Development In India – Pandemic Survival	Sustainable Agriculture Development In India – Pandemic Survival ISBN: 978-93-5620-251-1	2022
11	Dr.G.Chelladurai	The Introduction of Psychology	A New Era of Educational Psychology ISBN: 978-93-94424-60-9	2023
1	Dr.G. Chelladurai	"Conserve Water Resources and Reduce Water Pollution"	"Advances in Multidisciplinary and Current Research (Volume - 13)".Weser Publication (Germany) ISBN: 978-3-96492-371-4	2022
2	Dr.G. Chelladurai	"Water Resources for Sustainable Mariculture"	"Current Research in Fisheries and Aquatic Science (Volume - 1), Weser Publication (Germany) ISBN: 978-3-96492-340-0	2022
3	Dr.G. Chelladurai	Education and E-Learning	Current Trends in Multidisciplinary Research (Volume – 10)" Rubicon Publications (England). (ISBN: 978-1-91348-226-8)	2022
4	Dr.G. Chelladurai	Environmental Education	Recent Advancement in Multidisciplinary and Current Sciences (Volume – 1)"Rubicon Publications (England).	2022

15. Conference/Symposia/Workshops Attended and Presented (Last 5 Years)

S.No	Nature of the Training	Theme	Name of the Institution	Period
1	Faculty Development Programme	Management of Emotions for Success in Career and Life	Guru Nanak Salai, Velachery, Chennai, TamilNadu	29.03.2022 to 3.4.2022
2	Faculty Development Programme	Biotechnological Innovations in Health Care held from	Marian Star Centre , Dept of Zoology, St.Marys College (Autonomous), Thoothukudi, Tamilnadu	14.3.2022 to 18.3. 2022
3	Faculty Development Programme	Biotechnology today and	Dept of Zoology, St.Marys College	1.9.2022 to 5.9.2022

		tomorrow ; innovations and implications	(Autonomous), Thoothukudi, Tamilnadu	
4	Faculty Development Programme	Positive Aspect of Teaching Practices	IQAC and Department of Commerce, Theivanai Ammal College for Women (A), Villupuram	20.2.2023 to 24.02.2023
5	International e-Conference	Strategies & Challenges in Higher Education during COVID-19 Lockdown Period in India with reference to the World	Government Vidarbha Institute of Science & Humanities, Amravati, India	15.5.2020 to 17.5.2020.
6	3rd online International	Conference on Fisheries and Aquaculture, organized	Coalesce Research Group, National Taiwan Ocean University, Taiwan	15.8.2022 to 16.8.2021
7	International Conference	Applied Biology for Sustainable Development”	the PG Department of Zoology and Research Centre, Sri Parasakthi College for Women, Courtallam	21.03.2022 & 22.03.2022
8	International Conference on	Recent invention in Biological Research (ICRIBR-2022)	Department of Botany , PSGR Krishnamal, Tamilnadu on	17 & 18th March 2022.
9	International workshop	“Silicon Crystal Growth for Photovoltaic Application	SSN Research Centre, SSN Institutions, Chennai and Nagoya University, Japan	7.01.2022

16. Conference/Symposia/Workshops organized

Sno	Name of the Programme	Sponsored / Collaboration	Year	Title of the Porgamme
1.	Webinar	Collaboration with IIMS & GVN College	May2020	Environment and COVID- 19

2	Webinar	Collaboration with IIMS & SPK College	May 2020	INSIDE-OUT
3	e-Quiz	-	May 2021	Immunology
4	e-Quiz	-	May 2021	Hypertension
5	e-Workshop	MGNCRE, Govt of India	May 2021	Swachhta action plan and Jalshakti mission
6	Webinar	Sponsored with United Innovators &IFERP, Chennai	May 2021	Intellectual Property Rights (IPR)
7	Webinar	-	June 2021	concomitant fungal infection during corona virus ailment
8	e-Quiz	-	June 2021	Awareness towards the nCov-19 Vaccination
9	Webinar	Sponsored with National Commission for Women (Govt of India)	December 2021	Capacity building and Personality development programme
10	e-Workshop	Collaboration with Nature Science Foundation	December 2021	Application of bioinformatics to enhance the life science
11	International e Conference	Collaboration with Voice Of Indian Concern for the Environment (VOICE), USA	January 2022	Agriculture, Chemical and Biological Sciences (ICEACBS-2022)
12	E Quiz & Online competition	Sponsored by Pinnacle – EDUCARE, Maharashtra, India	March 2022	National Zoo lovers Day
13	Online Workshop	Collaboration with RGNIPM Nagpur, Government of India,	April 2022	Intellectual Property Rights (IPR): Patents and Design filing
14	Virtual Lecture Series # 1	-	August 2022	Identification, Care and Handling of Laboratory animals
15	E –Quiz	-	August 2022	Awareness Quiz on Eye donation
16	Virtual Lecture Series # 2		August 2022	Basic Concepts of Zoology
17	Virtual Lecture Series # 3		September 2022	OBG Condition related to Zoology
18	Zoology Association meeting	GVN management fund	September 2022	Role of Entomo fauna on Impregnable Environment
19	Virtual Seminar	Microbiologists Society	October -2022	Recent Advances in Microbiology
20	Virtual Lecture Series # 4	VJ Biotech, Coimbatore	November 2022	Zoology Version 2.0
21	Workshop cum exhibition	GVN Management fund	November 2022	Workshop cum exhibition bamboos value addition

17. Acted as Resource Person / Chair (Last 5 years)

S.No	Name of the Institution	Lecture topic	Date / Year
1	Roever College, Perambalur, Tamil Nadu	Carrier advance in Life Science	18.12.2021
2	G.V.N College , Kovilpatti	Ornamental fish culture techniques	30.3.2022
3	Council for Science and Development in association with BP Tech R&D Labs Tamilnadu	Principle of IPR	15.5.2022
4	IIC, PSG College of Arts and Sciences	IPR awareness to Young Innovators	19.8.2022
5	Vasantdada Patil Arts, Commerce & Science College, Maharashtra	IP & Younger mind	12.9.2022
6	Nagarjuna Government College (Autonomous)	Basic Principles of IPR	29.8.2022
7	MDT Hind College, Tirunelveli	IPR for Young Innovative Minds	23.9.2022
8	Dept of Zoology, Sara Tucker College (Autonomous) on 22 August 2022.	International Conference on Recent Trends in Biological and Health Science (ICRTBHS-22)	22.8.2022
9	Aditanar College for Women, Tiruchendure	Intellectual Property Right (IPR)	25.1.2023
10	Dept of Zoology, Aditanar College of Arts and Science, Tiruchendur	Intellectual Property Rights (IPR) for Student innovators	11.2.2023

18. Ongoing/Completed Research Projects. (Last 5 years)

S.No	Title of the Project	Amount Sactioned	Name of the Funding Agency	Year	Period
1	Development of Drugs from operculum of Gastropod against "Rheumatoid arthritis"	50,000/-	Bishop Heber College (Autonomous) F.No:MRP/1012/2020	2020- 2021	1 year
2	Research Project on Development of novel biomask using plant	1,75,000/-	TNSCST, Chennai, TNSCST/STP/Covid- 19/2020-21/29.3.2021	2021- 2022	I year

	molecules against COVID-19				
3	Biofilm production against Human Pathogenic bacteria	15,000/-	GVN College Management Scheme –August 2022 (GVNC-R/MRP/2022-23/10)	2022-2023	I year
4	Development of sea sponge waste skin care gel and scrubber	1,000,000	Entrepreneurship Development of TamilNadu, Governemnt of TamilNadu	2023-2024	I year

19. Research Supervision (Ph.D)

S.No	Name of the Guide	Name of the Student	Registration number	Full Time /Part Time
1	Dr.G.Chelladurai	Devi Saraswathy. R	23112212192006	Full Time

20. Other Academic Services (BoS/Question paper setter/Doctoral Committee)

S.No	Name of the Services	Name of the Institute	Subject	From	To	Total Experiences
1	Question Setter :	Alagappa University (Distance), Karaikudi	Zoology (UG & PG)	2017	2019	2
2	Question Setter & Paper valuation	Popes College (Autonomous), Tuticorin	Zoology (UG & PG)	2017	Till date	5
3	Question Setter & Paper valuation	Sri Kalieeshwari College (Autonomous), Sivakasi	Allied Zoology	2017	2019	2
4	Question Setter	Sadakathullah Appa College (Autonomous), Tirunelveli (UG Zoology)	Zoology (UG & PG)	2019	Till date	4
5	Question Setter & Paper Valuation	Sri Ramaswamy Naidu College (Autonomous), Sattur	(UG Zoology)	2019	2021	2

6	Question Setter & Paper Valuation	Jeyaraj Annapakkiyam Women College (Autonomous), Theni	Zoology (UG & PG)	2019	2021	2
7	Question Setter	Holy cross College for Women College (Autonomous), Nagarcoil	Zoology (UG & PG)	2021	Till date	2
8	Question Setter	Mother Terasa Women's University, Kodaikanal,	Zoology (UG & PG)	2022	Till date	1
9	Question Setter & Paper Valuation	, Ayya Nadar Janaki Ammal College, Sivakasi	Zoology (UG)	2023	Till date	1

21. Administrative Experience (Club Convener/NSS/1QAC)

S.No	Position held	Name of the Institute	From	To	Year of Experiences
1	Website Updating – Convener	GVN College	2021	2022	I Year

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22. Patent /Copy rights Published (Last 5 Year)

S.No	Title of the Invention	Application /Diary Number	Year	Status
Indian Copyright				
1	Developed New Design from Insect body	8871/2021-CO/A	2021	Registered
2	A New Pattern made by fish scale	20574/2021-CO/A	2021	Registered
3	A novel design from the cycloid scale of boney fish	20413/2021-CO/A	2021	Filed
4	Development of novel designs from hexopoda colour patterns	21290/2022-CO/A	2022	Filed
5	Development of New Artwork From Marine Snail Shell (Living Fossil).	2810/2022-CO/A	2022	Filed
Indian Patent (Proces)				

1	A smart non-contact sanitizer dispenser hand glove	202141017899	2021	Published
2	Biogas production using kitchen wastes with rice straws and monitoring using AI	TEMP/E1/34975/2021-CHE	2021	Published
3	Isolation of bioactive molecules from the operculum of muricidae gastropod against bone cancer	202141043478	2021	RQ Filed
4	A Kind of mushroom fortified cake preparation method thereof	202241003519	2021	RQ Filed
5	Development of new artwork from marine snail shell (living fossil)	2810/2022-CO/A	2022	RQ Filed
6	A Nutritional rich mushroom chocolate	202241010371	2022	RQ Filed
7	A Nutritional rich spirulina jelly	202241025287	2022	RQ Filed
8.	Artificial Intelligence-Based approach to study the various drug molecules derived from marine organisms and their uses	202241023365	2022	RQ Filed
9	Machine learning-based approach to analyse the impact of drugs from marine organisms in the treatment of osteoporosis	202241024295	2022	RQ Filed
10	Development of antiviral drug-using saikosaponins (plant molecule) for treatment of COVID-19	202241028448	2022	RQ Filed
11	Machine learning based approach to study the importance of carotenoids in enhancing the reproduction capacity of aquatic animals	202241033889	2022	RQ Filed
12	Artificial intelligence based framework for human resource development by employing chatbots	202211033881	2022	RQ Filed
13	A method of preparation of an edible product mushroom marshmallow	202241039161	2022	RQ Filed
14	A Novel Supply Chain-Based Framework For The Health Care Industry	202241038499	2022	RQ Filed
15	Enhancement of Nutritional Value of Fried Fish Using An Artificial Intelligence Approach	202241041651	2022	RQ Filed
16	Fish Growth Trajectory Tracking Using Machine Learning In Precision Aquaculture	202241041650	2022	RQ Filed
17	Candy Made from the Peel Of <i>Punica Granatum</i> L. (LYTHRACEAE)	202241054378	2022	RQ Filed
18	Plant Derived Composition For Controlling Invasive Species In Natural Ecosystem	202321035717	2023	RQ filed
19	Design and Development of Robotic Device with assistive and Resistive Training for Post stroke hand rehabilitation patients	202341029598	2023	RQ filed

Indian Design Patent				
1	Solar Powered plant health monitoring device	368196-001	2022	Registered
2	Device for monitoring oxygen level and blood sugar in human body	369321-001	2022	Registered
3	Biological Purifier	370731-001	2022	Registered
4	Bioface mask using plant extract against SARS virus	371452-001	2022	Registered
5	Tracking Band for Domestic Animals	379342-001	2022	Filed
6	“Feeding Device For Deep Sea Aquaculture”.	388130-001	2023	Filed
7	“Insect Trapping Device”.	388134-001	2023	Filed

24. Any Others

Membership :

- 1 Indian Science Congress Association (**Membership No: A2276**)
- 2 Tamil Nadu Environmental Council.
- 3 Tamil Nadu Science Forum
- 4 International Association of Vegetation Science (IAVS) (**Membership No: 1297831**)
- 5 Ocean Futures Society
- 6 International society of Zoological sciences (ISZS) (**Membership no: 1373-1**)
- 7 International Society for Salt Lake Research (**Member No: 182019**)
- 8 Cape Research forum (**Member No: CRFAM2020-A138**)
- 9 Committee member - **Guinness world record** - ESN Publications.
- 10 Life member in International Association of Academic Plus Corporate for annual membership for AY-2022 (**EFRTJQC-CE000243**)
11. Life member in Society of fisheries , Karnataka (**DKM/S-47/SFSL/JFLS/620/2022-23**)

Journal Editor / Reviewers

1. Advisory Board Member in International Journal of Arts and Science Research.
2. Reviewer in Journal of Biochemistry Research
3. Reviewer in African journal of Microbiological Research
4. Reviewer in Journal of critical reviews
5. Oceanography & Fisheries Open access Journal
6. Editor in Indian Journal of Pharmacy and Pharmacology
7. Advisory board member in World Journal of Pharmacy and Pharmaceutical Sciences

8. Editorial Board Member in International Journal of Scientific Research in Biological Sciences
9. Advisory Board Member in World Journal of Pharmacy and Pharmaceutical Sciences
- 10 Editor in International Journal of Entomology Research

(Dr.G.CHELLADURAI)