

Curriculum Vitae



Dr.G.CHELLADURAI, M.Sc., M.Sc., B.Ed.,Ph.D.,
State Ambassador of Microbiologist Society, Maharashtra,
Swachhta Saarthi Fellowship -2022, GOI, NewDelhi,
TN-EDI Innovative Voucher Programme Awardee, Govt of TamilNadu,
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Objective

To attain the height of excellence in the field of life science (**Life Science**) by doing dedicated work in a good institution

Educational Qualification

Degree	Institution/University	Year of pass	Class
Ph.D Zoology	Kamaraj College, Manonmaniam Sundaranar University	November 2016	Highly commended
M.Sc (Zoology)	Kamaraj College, Manonmaniam Sundaranar University	2010-2012	First with University 6th Rank
B.Sc (Zoology)	St.Xavier's College, Manonmaniam Sundaranar University	2007-2010	First
M.Sc (Psychology)	Tamil Nadu Open University, Chennai	2014-2016	First
B.Ed (Biological Science)	Annai College of Education (Tamil Nadu Teacher Education, Chennai)	2019-2021	First
Agro-Technology	Tamil Nadu Technical Training Centre, Mayiladuthurai.	2010	First
PG Diploma in Hospital Management	Madurai Kamaraj Distance Education ,Madurai	2011	First

Ph. D Thesis Title: Studies on the effect of *Calocybe indica* (Milky Mushroom) extract as growth promoters and immunomodulator in *Babylonia spirata* (Linnaeus, 1758) from Tuticorin coast, Gulf of Mannar

Research Experience

- Funding Agency : CMLRE (MoES/CMLRE10-MLR-TD/2012GIA(G)/03)
Position : **Junior Research Fellow**
Duration : 1-2-2013 to 31-3-2015
Title of the Project : Drug from Marine Mollusk from Gulf of Mannar

- Funding Agency : INCOIS (INCOIS:F&A:OSF/A2:XII:014. Dt. 06/06/2014)
Position : **Junior Research Fellow**
Duration : 1-4-2015 to 31-5-2016
Title of the Project : Monitoring and dissemination of data from the wave rider buoy

Teaching Experience

- College Name : Kamaraj College, Thoothukudi, TamilNadu
Position : **Assistant Professor of Zoology**
Duration : 20.06.2016 to 31.05.2017
- College Name : G.V.N College, Kovilpatti, TamilNadu
Position : **Head & Assistant Professor of Zoology**
Duration : 19-6-2017 to 24.4.2024

Project Guidance

M.Sc: 8 M.Phil: Nil Ph.D : 01

Research Advisor

S. UMAMAGESHWARI M (REF: MSU/RES/Admn/July 2020 Session), M A N O N M A N I A M S U N D A R A N A R U N I V E R S I T Y, Tirunelveli, Tamil Nadu

Extra Academic Activities

1. **Question Setter** : Alagappa University (Distance), Karaikudi (UG Zoology) 2017-2018
2. **Question Setter & Paper valuation:** Popes College (Autonomous), Tuticorin (UG & PG-Zoology) 2018- till date
3. **Paper Valuation:** Sri Kalieeshwari College (Autonomous), Sivakasi (Allied Zoology) 2017- till date
4. **Question Setter** : Sadakathullah Appa College (Autonomous), Tirunelveli (UG Zoology) 2019-till date
5. **Question Setter:** Sri Ramaswamy Naidu College (Autonomous), Sattur (UG Zoology) on 2019-till date
6. **Question Setter:** Jeyaraj Annapakkiyam Women College (Autonomous), Theni (UG Zoology) on 2021 to till date
7. **Chair Personal for** Question Setter in Zoology, G.V.N College (Autonomous), Kovilpatti on 18.1.2021
8. **Question Setter:** Holy cross College for Women College (Autonomous), Nagarcoil (UG / PG Zoology) on May 2021 to till date
9. **Question Setter** , Mother Terasa Women's University , Kodaikanal, PG Zoology on November 2022 to till date
10. **Question setter** , Ayya Nadar Janaki Ammal College, Sivakasi UG Zoology on April 2023 to till date

Field of Interest

- 1 Biochemistry
- 2 Coastal Aquaculture
- 3 Entomology
- 4 Environmental Safety Management

Additional Qualification

1. Diploma in Computer Application (DCA).
2. Diploma in Desktop Publishing (DTP).
3. Tally.
4. Certificate course in C Language.
5. Completed in Basic Offshore Safety, Induction & Emergency Training (**BOISET**)

Technical Skills Known

1. Extraction, Characterization and structural elucidation of Marine Bioactive compounds.
2. Microbial culture techniques.
3. Biochemical analysis.
4. Marine gastropod Identifications.
5. Nano particles synthesis and Characterization techniques.
6. Microalgae Culture and Water Quality analysis Techniques.
7. Basic Computer skills and Software (SPSS, Past)
8. Completed e- certificate course in **leadership & communication** in University of Delhi

Acted as Resource Person

1. Resource Person in **IIT Coaching Class** for Higher Secondary School Students conducted by Reach Academy, Tuticorin Tamil Nadu on 1st July 2015 to till date.
2. Key note speaker in Zonal Level seminar on **Agro based Food processing industry** organized by Khadi Commission (Govt of India) Madurai on 22rd and 24th December 2017
3. Resource Person in NEET-Biology at **May flower Academy**, Tuticorin, TamilNadu on 10-2-2018
4. Resource Person in NEET-Biology at **Eban Academy** , Tuticorin, TamilNadu on 15-12-2018
5. Resource Person in **NET 2021 Preparation** at St. Xavier's College of Education, Tamil Nadu on 13-05-2021
6. Resource person in **Carrier advance in Life Science** at Roever College, Perambalur, Tamil Nadu on 18.12.2021
7. Chair member for First international conference on Youth and Entrepreneurship Development (ICYED-2021) held at SDNB Vaishav college for women, Chennai on 15th & 16th November 2021.
8. Resource person in workshop on **Ornamental fish culture techniques** at GVN College (Autonomous), Tamilnadu on 30.3.2022
9. Resource person in online lecture on **Principle of IPR** organized by Council for Science and Development in association with BP Tech R&D Labs Tamilnadu on 15.5.2022.
10. Resource Person in online lecture on **IPR awareness to Young Innovators** organized by Dept of Food and Nutrition associate with IIC, PSG College of Arts and Sciences (Autonomous), Coimbatore on 19.8.2022
11. Resource person in Online Lecture on **IP & Younger mind** organized by Vasantdada Patil Arts, Commerce & Science College, Maharashtra on 12.9.2022
12. Resource person in Online Lecture on **Basic Principles of IPR** organized by Nagarjuna Government College (Autonomous) a on 29.8.2022
13. Resources Person in Online Lecture on IPR for Young Innovative Minds organized by IIC, MDT Hind College, Tirunelveli on 23.9.2022
14. **Chair Person** in International Conferences on International Conference on Recent Trends in Biological and Health Science (ICRTBHS-22) organized by Dept of Zoology, Sara Tucker College (Autonomous) on 22 August 2022.

15. Resource person on **Intellectual Property Right (IPR)** organized by EDI Cell, Govindammal Aditanar College for Women, Tiruchendur on 25.01.2023
16. Resource person on **Guest Lecture on Intellectual Property Rights (IPR) for Student innovators** organized by Dept of Zoology, Aditanar College of Arts and Science, Tiruchendur on 11.02.2023
17. Resource Person on **Intellectual Property Rights** for Faculty Entrepreneurship Development Programmed organized by Kalasalingam Deemed to be University on 24.7.2023
18. Resource Person on **Intellectual Property Rights(IPR) considerations for Student Innovators** organized by Dept of Microbiology , Rthinavel sundaramanian College of arts and Science, Coimbatore on 8.11.2023
19. Resource person on **Exploring the extent and significance of Zoology**, organized by Dept of Zoology, Bharti Vishwavidyala, Durg on 9.12.2023 (online mode).

Academic Achievements

1. Selected as State ambassador of Microbiology society, India from 1st August 2022 to till date
2. Selected as External Patent Expert of EMG Yadava Women's College from 23rd November 2022.
3. Served as an External in Doctoral Research Committee for Zoology Degree in Sikkim Skill University, Sikkim, India.

MoU Signed

1. Bionemetic (Dr.Meenaga) & Kamaraj College (Dr.G.Chelladurai) collaboration work for COVID -19 Mask preparation
2. Nature Science Foundation (Mrs. S. Rajalakshmi) & Kamaraj College (Dr.G.Chelladurai) collaboration work for conducting workshop and research projects
3. Shrimp CARE Solution , Nagapattinam (Director, SHRIMP CARE SOLUTIONS, Pondy cherry & GVN College (Dr.G.Chelladurai) collaboration work for conducting workshop and research projects
4. Pandarasamy Agrifarm , Kovilpatti & Dept of Zoology, GVN College collaboration for conducting students exchange programme and research activity

Awards/Honor Received

S.no	Name of the awards/project	Sponsored by	Year	Amount/Certificate
1	University Rank	Manonmaniam Sundaranar University	2012	Certificate
2	Young Researcher Awards	Department of Animal Science, Manonmaniam Sundaranar University, TamilNadu	2017	Certificate+ Shield
3	Young Scientist Award in Zoology	Pearl Foundation, Madurai	2017	Certificate+ Shield
4	Best Young Scientist Award	Novel Research Foundation	2019	Certificate+ Shield
5	Best Young Faculty Award	Bharath Shiksha Rathna Award	2021	Certificate+ Shield
6	Young Scientist Award	Society of Fisheries and Life Sciences, College of Fisheries, Mangaluru, Karnataka, India	2022	Certificate+ Shield
7	Best Oral Presentation award	National Conference on Post COVID -19 Complications- A Biotechnological Approach	2022	Certificate + Shield
8	Best Author Award	Book Saga Publication, Maharashtra	2022	Certificate + Shield

9	Young Scientist	International Conference on Eco-Restoration for Natural Resources Management -2023	2023	Certificate + Shield
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Grants Received from State /Central Government/NGOs

S.no	Name of the Grant/project	Sponsored by	Year	Amount/Certificate
1	Ph.D Scholarship	Tamil Nadu Education Trust (Govt of TamilNadu)	2012 to 2015	28,000/-
2	Travel Grant	Tamil Nadu State council for Science and Technology (TNSCST)	2016	8,300/-
3	National Workshop	TNSCST, Chennai & NCSTC, New Delhi	2018	15,000/-
4	E-Course on Seafood Safety & Quality Control	Peninsular fisheries Pvt Ltd. TamilNadu	2020	7500/-
5	Development of Drugs from operculum of Gastropod against "Rheumatoid arthritis"	Bishop Heber College (Autonomous) F.No:MRP/1012/2020	2021	50,000/-
6	National Workshop on Biomedical Waste Management during COVID-19	TNSCST, Chennai & NCSTC, New Delhi	2021	15,000/-
7.	Research Project on Development of novel biomask using plant molecules against COVID-19	TNSCST, Chennai, TNSCST/STP/Covid-19/2020-21/29.3.2021	2021-2022	1,75,000/-
8	Webinar on Intellectual property rights	IFERP & UI, Chennai, Tamil Nadu	2021	3000/-
9	Webinar on Capacity Building & Personality Development Porgram	National Commission for Women (F.No.05-1/4/2021/CBC (NCW)	2021	15000/-
10	e-quiz and online competitions	Pinnacle –EDUCARE, Maharashtra, India	2022	3250/-
11	Awareness Programme on Entrepreneurship	Entrepreneurship Development Institute and innovation cell , Govt of TamilNadu	2022	5000/-

12	Awareness program on Microbes	Microbiologists Society, India, Maharashtra,	2022	5000/-
13	E Course on Zoonotic ailments	Microbiologists Society, India, Maharashtra,	2022	9000/-
14	Seed grant	GVN College Management Scheme –August 2022 (GVNC-R/MRP/2022-23/10)	2022	15000/-
15	Swachhta Saarthi Fellowship-2022	Office of Principal Scientific Adviser to the Government of India (Waste from Wealth), New Delhi	2023	2000/-Monthly
16	Popularities of Science Activity – SCI-TECH Award	TNSCST, Chennai & NCSTC, New Delhi	2023	15000/-
17	Novel Development of scrubber and skin gel from by catch waste sea sponge, Tuticorin coast	Entrepreneurship Development Cell, Government of TamilNadu (Roc.No.II-01/44/2022/EDII/2022)	2023	2,41,000/-

Guest Editor in Journals / Books /Magazine

SNo	Name of the Journal	ISSN No	Year	Title of the issue
1.	European Journal of Innovative Business Management	2056-9904	2020	Impact of COVID-19 on Blue Economy

Webinar/e-Workshop/e- Quiz 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	December 2021	Capacity building and Personality development

		(Govt of India)		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 RGNIIPM 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 -I	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
22	Zoology Association meeting -II	GVN Management fund	March -2023	Aquaculture feed for a sustainable future
23	Virtual Lecture Series # 5		August 2023	Integrated Pest Management (IPM); Packages For Stored Grain Pest Control
24	Virtual Lecture Series # 5		17 December 2023	Significance of Sericulture for Aspiring Student Entrepreneurs

Patent /Copy rights Published

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 (Process)				
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	Requesting for Granting
4	A Kind of mushroom fortified cake preparation method thereof	202241003519	2021	RQ Filed
5	A Nutritional rich mushroom chocolate	202241010371	2022	RQ Filed
6	A Nutritional rich spirulina jelly	202241025287	2022	RQ Filed
7.	Artificial Intelligence-Based approach to study the various drug molecules derived from marine organisms and their uses	202241023365	2022	RQ Filed
8	Machine learning-based approach to analyses the impact of drugs from marine organisms in the treatment of osteoporosis	202241024295	2022	RQ Filed
9	Development of antiviral drug-using saikosaponins (plant molecule) for treatment of COVID-19	202241028448	2022	RQ Filed
10	Machine learning based approach to study the importance of carotenoids in enhancing the reproduction capacity of aquatic animals	202241033889	2022	RQ Filed
11	Artificial intelligence based framework for human resource development by employing chatbots	202211033881	2022	RQ Filed
12	A method of preparation of an edible product mushroom marshmellow	202241039161	2022	RQ Filed
13	A Novel Supply Chain-Based Framework For The Health Care Industry	202241038499	2022	RQ Filed
14	Enhancement of Nutritional Value of Fried Fish Using An Artificial Intelligence Approach	202241041651	2022	RQ Filed
15	Fish Growth Trajectory Tracking Using Machine Learning In Precision	202241041650	2022	RQ Filed

	Aquaculture			
16	Candy Made from the Peel Of <i>Punica Granatum</i> L. (LYTHRACEAE)	202241054378	2022	RQ Filed
17	Plant Derived Composition For Controlling Invasive Species In Natural Ecosystem	202321035717	2023	RQ filed
18	Design and Development of Robotic Device with assistive and Resistive Training for Post stroke hand rehabilitation patients	202341029598	2023	RQ filed
19	Development of Bio-Face Mask Fabric Material Using <i>Bryophyllum Sensitivum</i> Plant Extract Against SARS Virus	202341041780	2023	Request for granting
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 Aquaculture Sector	388130-001	2023	Registered
7	“Feeding Device For Deep Sea Aquaculture”.	388133-001	2023	Registered
8	“Insect Trapping Device”.	388134-001	2023	Registered
9	Earthworm Breeding Apparatus	394385-001	2023	Filed
10	Apparatus For Aeroponically Growing And Developing Plants	394504-001	2023	Filed

Research Paper Published

1. R.ArthiManju, J.Felicitta, M.Sakthivel, S.Valliammal, G.Chelladurai. (2011). Effect of water Probiotics on growth performance of *Channapunctatus*.1(1):25-28
2. G.Chelladurai, J.Mohanraj, S.SubbuLakshmi (2013).Comparative efficacy of clove and 2-phenoxy ethanol on serum biochemical changes and histological studies in *Channapunctatus*, *Jr. of Drug Delivery & Therapeutics*; 3(3):61-63.**IF.0.44, UGC Ref**
3. T. Veni, G.Chelladurai, J.Mohanraj ,I.Vijayakumar, M.Petchimuthu (2012). Dietary administration Of *Lactobacillus acidophilus* as probiotics on health, survival and gut microbial load in cat fish (*Mystusmontanus*), *International Journal of Research in Fisheries and Aquaculture*.2(4):48-54.
- 2 J.Felicitta, R.ArthiManju, J. Ronald, T.Sakthika, R.Nagarajan,G.Chelladurai(2012). Effect of different concentrations of some phyto additives (*Allium sativum*and*Allium cepa*) on growth, survival and hematological parameters in Tilapia(*Oreochromismossambicus*) juveniles, *The – Bamidgeh*. 64.2013.822.**IF :0.9**
- 3 G.Chelladurai, J.Mohanraj, M.Sasirekhamani (2013).Distribution of marine Gastropod in TuticorinCoast,Gulf of Mannar, India.*International Journal of Pharmaceutical & Biological Archives*. 4(2): 371 – 374.
- 4 G.Chelladurai, T.Veni, J.Mohanraj (2013).The Investigation of *Lactobacillus acidophilus* as Probiotics on growth Performance and Gut micro flora of cat fish (*Mystusmontanus*). *International Journal of Research in Fisheries and Aquaculture*.2(4):41-43.
- 5 PasiyappazhamRamasamy, DeepaPadmakumari Krishnan Thampi, GurusamyChelladurai, Natarajan Gautham,SasirekhamaniMohanraj, JeyarajMohanraj (2013). Screening of

- antibacterial drugs from marine gastropod *Chicoreus ramosus* (Linnaeus, 1758), *Journal of Coastal Life Medicine*. 1(3):234-238.
- 6 S.Ramesh, **G.Chelladurai**, M.A.Hannifa (2013). Isolation of enzyme Producing bacteria from gut of *Channa striatus* fed on different herbs and Probiotics diet. *International journal of pharmacy and pharmaceutical sciences*, 5 (4):195-198. **IF.1.59, UGC Ref**
 - 7 **G.Chelladurai**, J.Felicitta, N.Nagarajan (2013). Protective effect of probiotic diets on haematobiochemical and histopathology changes of *Mystus montanus* (Jerdon 1849) against *Aeromonas hydrophila*, *Journal of Coastal life Medicine*, 1(4):259-264. .
 - 8 I.Vijayakumar, **G.Chelladurai**, S.Syed Hussain Peeran, J.Mohanraj (2013). Medicinal plants as Immunostimulants for health Management in Indian cat fish (*Mystus montanus*) Fingerlings. *Journal of coastal life medicine*. 2(6):478-482
 - 9 **G.Chelladurai**, T.Veni, J.Mohanraj, N.Nagarajan (2014). Effect of Herbal Extracts Supplemented diets on Non Specific Immunity and Resistance to *Aeromonas hydrophila* in Indian cat fish (*Mystus montanus*), *Journal of Z. Bioscience Research*. 1:9-13.
 - 10 T.P.S.Raja Nandini, J.Felicitta, **G.Chelladurai** (2014). Effect of Replacement of fish meal by shrimp waste meal on growth, total carotenoid and proximate composition of Koi carp. *International journal of arts and science research*. 1 (1):23-28.
 - 11 **G.Chelladurai**, J.Mohan raj, M.Sasirekhamani (2014). *In vitro* Cultivation Technology and nutritional status of Milky mushroom (*Calocybe indica*), *African journal of Biotechnology*. 13(38):3901-3906. **IF.0.51. (UGC Ref)**
 - 12 S.Subbulakshmi, **G.Chelladurai**, R.Suresh (2014). *In vitro* studies of Selected Medicinal Plants against Isolated Bacterial Diabetic Foot Ulcer and Urinary Tract infected pathogens, *Journal of P. Disease*. DOI 10.1007/s12639-014-0555 **Springer., UGC Ref**
 - 13 J.Mohanraj, **G.Chelladurai**, Deepa P.K ,P. Ramasamy, M.Sasirekha Mani (2014). Antibacterial activity of Marine gastropod *Hemifusus pugilinus* (Born, 1778) against human pathogenic bacteria, *International Journal of Marine Science*, 4 (57): 1-4
 - 14 M.Karthigarani, **G.Chelladurai**, G.Jayanthi (2014) Isolation and Identification of Bacteria from Marine Market Fish (*Scomberomorus guttatus*) Bloch and Schneider, 1801 from Madurai district, Tamil Nadu, India. *Journal of Parasite Disease*. DOI 10.1007/s12639-014-0634-0, **Springer, UGC Ref**
 - 15 S.Subbulakshmi, **G.Chelladurai**, M.Karthigamani (2014). Antimicrobial activity of Propolis extract against selective pathogens, *International journal of microbiological research*, 5 (3): 198-201, 2014.
 - 16 C.Raju, P.Mariyappan, G.Sridharan, **G.Chelladurai** (2014). Physico-Chemical Parameters and Ichthyofauna Diversity of Arasalar Estuary in Southeast coast of India, *Applied Water science*. DOI 10.1007/s13201-014-0260-0, **Springer, UGC Ref**
 - 17 **Gurusamy Chelladurai**, Srinivasan Balakrishnan, Ganapathy Rameshkumar, Kannan Banumath (2015). New occurrence of parasitic isopod Argathonasp. (Stebbing, 1905) from *Epinephelus undulosus* in the Tuticorin coast, Gulf of Mannar region. *Journal of Parasitic disease*, DOI 10.1007/s12639-015-0691-z. **Springer, UGC Ref**
 - 18 **G.Chelladurai**, S.Balakrishnan, G.Jayanthi, K.K Ajeesh Kumar and J. Mohan raj (2015). Report on occurrence of abnormal four armed red-knobbed starfish *Protoreaster linckii* (Blain Ville, 1830) (Echinodermata: Asteroidea) along Tuticorin coast, Gulf of Mannar (Southeast coast of India). *Marine Biodiversity Records*, page 1 of 4, doi:10.1017/S1755267215000470; Vol. 8; e64; 2015
 - 19 **Gurusamy Chelladurai**, Mani Karthiga rani, Iruthaiyam Vijayakumar (2015). Inhibitory activity against shrimp pathogens of bacterial Isolates from shrimp food, shrimp gut, seawater and seaweed, *International Journal of Marine Science*, 2015, Vol.5, No.37, doi: 10.5376/ijms.2015.05.0037
 - 20 Jayaraj Mohanraj, **Gurusamy Chelladurai**, Srinivasan Balakrishnan , Iruthaiyam Vijaya Kuamr (2015) Gulf of Mannar Island coral reef associated gastropods assemblages: Distribution and diversity pattern, *Journal of Coastal Life Medicine* 2015; 3(9): 691-695.
 - 21 **G.Chelladurai**, S.Subbulakshmi, M.Karthika rani, C.Raju (2014). Comparative study on enhancement of growth parameter in green gram (*Vigna radiata*) by phosphatesolubilizing wild and mutant strain of *Bacillus spp* and *Aspergillus spp*, *International Journal of Agricultural Sciences* 6 (2) : 189-197, July-December 2015

- 22 S. Balakrishnan, **G. Chelladurai**J. Mohanraj, J. Poongodi (2015). Seasonal variations in Physico-Chemical characteristics of Tuticorin coastal waters, southeast coast of India, *Journal of Applied water science*, DOI 10.1007/s13201-015-0363-2(**Springer**), **UGC Ref**
- 23 **Gurusamy Chelladurai**, Jayaraj Mohanraj, Govinda Rajalu Jayanthi (2016) First occurrence of *Argathonamacronema* (Bleeker, 1857) (Isopoda: Cirolanidae) on coral reef fishes along the Tuticorin coastal water, Gulf of Mannar, *Journal of Parasitic Diseases*, DOI 10.1007/s12639-015-0691-z(**Springer**), **UGC Ref**
- 24 G. Jayanthi, M. Anand, **G. Chelladurai**, A. K. Kumaraguru (2016) First record of Gnathia sp. An ectoparasitic isopod isolated from the coral reef fish, *Heniochus acuminatus* collected from the Gulf of Mannar region, southeast coast of India, *Jor of Parasitic Diseases*, DOI 10.1007/s12639-016-0774-5 (**Springer**), **UGC Ref**
- 25 Jayanthi Govindarajalu, Anand Muthusamy, **Chelladurai Gurusamy**, Karthigarani Mani, Kumaraguru Arumugam (2016) Comparative studies on biochemical analysis of some economically important marine gastropods along Gulf of Mannar region, southeast coast of India, *Journal of Coastal Life Medicin* 4(6): 444-447.
- 26 **G. Chelladurai**, J. Mohanraj (2014). Anti-biogram of Coral reef associated Molluscs from Gulf of Mannar, India, *Indian journal of Geo-Marine science*. 44(7):1120-1124 **IF.0.41 (UGC Ref)**
- 27 **G. Chelladurai**, J. Mohanraj, M. Sasirekhamani (2014). Comparative Study on Growth, Feed Consumption and Survival of Spiral Babylon, *Babylonia spirata* Linnaeus, 1758 (Mollusca: Gastropoda) Fed with Formulated Diets, *Indian journal of Geo-Marine science*. 44(7):1112-1119 **IF0.41 (UGF Ref)**
- 28 B. Suresh, **G. Chelladurai** (2015) Worst offenders Added in Food items, Everyman's Science, Indian Science Congress Association, Kolkata. *Everyman Science*, April 16-May-16 (1):30-34
- 29 Jayanthi Govindarajalu, Muthusamy Anand, **Gurusamy Chelladurai**, Arumugam Kumaraguru (2016). Bioactive potential of some economically important marine gastropods along the Gulf of Mannar region, *Journal of Coastal Life Medicine*, 4(8): 608-611
- 30 **G. Chelladurai**, and A. Doss (2016). Peculiar Star fish *Protoreaster linckii* (Echinodermata: Astroidea) from Tuticorin Coastal water, Gulf of Mannar, *Fish & Ocean Opj* 1(2): OFOAJ.MS.ID.555555.
- 31 **G. Chelladurai** and J. Selvarani (2017) Dietary supplementation of seaweed as growth promoter of molly fish, *Journal of Medical and Health research* (01):0128-32
- 32 **G. Chelladurai** (2017) Influence of diet on growth and Biochemical parameters of *Babylonia spirata*, Gulf of Mannar, *Journal of Ecology, Geology and Landscale*, **IF 0.35**
- 33 **G. Chelladurai**, V. Uma (2017) Screening for bioactive potential of edible mushroom extracts against tooth decay bacteria, *World Journal of Pharmaceutical Research*, 6(8):2257-2264 (**UGC Ref**)
- 34 M. Karthigarani, **G. Chelladurai** and N. Buvaneshwari (2017) **Comparative Study of Nutritional Evaluation between Three Types of Edible Marine Fishes of Landing Site of Tuticorin Coast and Marine Market Fishes of Madurai District**, *Journal of Aquaculture & Marine Biology*, 6(2):1-4.
- 35 G. Arunkumar, **G. Chelladurai**, K. Bhanumathi (2018) Bioactive potential and Antioxidant status of laboratory grown *Calocybe indica* (Milky Mushroom), *IAJPS*, 05 (01), 174-178
- 36 **G. Chelladurai** (2017) **Morphological Identification of *Babylonia spirata* (Linnaeus, 1758) from Tuticorin Coast, Gulf of Mannar, significance of bioengineering and biosciences** 2(3)152-155.
- 37 S. Thulasiraja, J. Mohanraj and **G. Chelladurai** (2019) Evaluation of Bioactive Potential of *Pinctada fucata* (Akoya Pearl Oyster), *J. Biol. Chem. Research*. 36(1):1-7.
- 38 **G. Chelladurai** (2017) Molecular identification of *Babylonia spirata* Gastropoda: Babyloniidae) based on 18s rRNA gene *J. Indian Fish. Assoc.*, 44 (2): 01-06. (**IF :0.23 & UGC Ref**)
- 39 S. Subbu Lakshmi and **G. Chelladurai** (2019) Biochemical analysis of spent mushroom and vermicompost, *Indian journal of research*, 8(4):1-4. (**UGC Ref**)
- 40 **G. Chelladurai** (2019) Chick list of some marine mollusks and their medicinal properties form Gulf of Mannar, *IJATSR* 1(1):109-142.

- 41 Sudhanthiraraj Subbu Lakshmi and **Gurusamy Chelladurai** (2019) Nutritional Content of Spent Mushroom Compost (*Ganoderma lucidum*, *Pleurotus flabellatus*) and Vermicompost, J. Biol. Chem. Research.36(1):D11-20.(UGC Ref:62923)ISSN:2319- 3097
- 42 **G.Chelladurai** and Balu Alagar Venmathi Maran (2019) Dietary supplementation of mushroom extract enhances growth and antioxidant levels of *Babylonia spirata* (Mollusca:Gastropoda), *Aquaculture Reports*,15(2019):100218 **IF:2.06**
- 43 **G.Chelladurai** and G. Moorthy (2019) Biochemical Composition of Some Commercially Important Marine Gastropods from Tuticorin Coast, South East Coast of India, *EC Nutrition* 14.11 (2019): 26-42.
- 44 **G.Chelladurai** and V.Uma (2020) *Babylonia spirata* (Linnaeus, 1758) on biochemical and nutritional composition levels are altered by *Aeromonas hydrophila* infection, *Biochemistry and Biophysics*, 22 (2020) 100746, **IF.1.5 (Accepted)**
- 45 **G.Chelladurai** and V.Uma (2020) Antibacterial, Antioxidant Potential of Marine Gastropod (*Chicoreus ramosus*), from Gulf of Mannar, Tuticorin Coast, *Journal of Marine Science Research and Oceanography*,3(1):1-5.
- 46 Thimmarayan raja, Kannayiram Muthukumaravel, Natarajan Vasathi and **Gurusamy Chelladurai** (2021) Effect of phenol on the biochemical composition of indian major carp *Cirrhinus mrigala*, *Uttar pradesh Journal of Zoology*, 42(2): 18-27
- 47 Thimmarayan raja1, Kannayiram Muthukumaravel, Venkatachalam Kanagavalli, Mohamed Saiyad Musthafa and **Gurusamy Chelladurai** (2021) sublethal effects of arsenic on somebiochemical and histological alterations in the muscle tissue of the milk fish *chanos chanos*, *Uttar Pradesh Journal of Zoology*, 42(3): 1-7
- 48 **G.Chelladurai**, Tarun Kumar Yadav & RaviKant Pathak (2021) Chemical Composition and Nutritional value of Paddy straw mushroom (*Calocybe indica*), *Nature Environment and Pollution Technology*, 2(3):1157-1164
- 49 **G.Chelladurai, M.Nagamalar** (2021) Identification of natural chemical inhibitors against SARS-associated COVID-19, *Microbiology Research International*, Vol. 9(x), 12:1-3
- 50 N.Ananthi & **G.Chelladurai** (2021) Biomedical Waste Management: The World COVID-19 Scenario, *International Journal of Graduate Research and Review*, Vol 7(4): 1-6.
- 51 Abdul Wadood Chishti, **G.Chelladurai** et al., (2022) Phytochemical Reviews about *Oxystelma esculentum*, *Annals of Pharma Research*, 09(06);493-497
- 52 **G. Chelladurai** et al., (2022) Phytochemistry and pharmacology of the genus *Sesbania*, A traditional uses, *International Journal of Chemistry Studies*, 6(1):8-10
- 53 **G.Chelladurai** et al., (2022) Global Research Funding and Development, *IPS Interdiscip J Bio Sci*, 1(1): 11-18 (2022).
- 54 **G.Chelladurai** et al., (2022) Current trends and future prospect of medicinal plants derived nutraceuticals: A review, *Current Trends in Pharmacy and Pharmaceutical Chemistry*4(1):1-5
- 55 **G.Chelladurai and V.Bharathi** (2022) Medical value of some insect , *Green Reporter*3 (8)35-39.
- 56 Andrews sekar,Arjun Pandian , Ramakrishnan Veerabathiran, Ramasamy Mariappan, **Gurusamy Chelladurai** and Gaesan (2022) Antidiabetic effects of marine brown algae *Spatoglossum asperum* J. Ag. ethanolic extract on 3T3-L1 Pre-Adipocytes activity an in vitro approach, . *International Journal of Health Sciences*, 6(S4), 11828–11847. <https://doi.org/10.53730/ijhs.v6nS4.11408> (**SCOPUS**)
- 57 **G.Chelladurai**, Anil Kumar and K.Chitra devi (2022) Antibacterial attributes of various mushroom mycelium extracts against anti –infection safe *Aeromonas hydrophila*,, *Journal of Xi'an Shiyou University (SCOPUS)*- 18 (10):603-625
- 58 **G.Chelladurai** et al., (2022) Anti Diabetic potential of *Saptoglossum asperum* (Brown seaweed) ; Insilico model, *Uttar Pradesh Journal of Zoology*, 43(19):48-57 (**Web of Science**)
- 59 **G. Chelladurai**, B. Esakkiammal, B. Deepa and S. Kalaimani (2023) Coral Reef Associated Fish Fauna From Tuticorin Landing Centre, Gulf Of Mannar, *J. Exp. Zool. India*, 26 (1): 913-917 (**Web of Science**)
- 60 Radhamahendran, J. Nelson Samuel Jebastin, DM. Chetan And G. Chelladurai (2023) Habitat use and species richness of marine molluscs along the Tuticorin Coast, Gulf of Mannar, India, *J. Exp. Zool. India*, 43(24): 632-640. (**Web of Science**)

- 61 G.Chelladurai, J.Nelson Samuel Jebastin, Anthathi Sreenivasulu, Jai Shanker Pillai HP, Shobha MS (2023) Plant based Chemical Inhibitors against SARS-Associated Coronavirus, Biological Forum – An International Journal, 15(6): 126-128 (**UGC CARE-1**)
- 62 **Chelladuai, G**; Pauraj, P; Iyyappan, P; Chandramohan, M (2023) Identification and Response of the Effect of Environmental Changes and Ecosystem Services on Biodiversity, **Web of science**
- 63 G. S. Anantha Selvi, **G. Chelladurai**, V. Pattu Kumarand M. Navin Chandran (2023) Bacterial Flacherie in Bombyx mori (L): Isolation and Identification of Pathogenic Organism, Uttar Pradesh Journal of Zoology, 44(14);52-61
- 64 Muhammad Akram , Amna Siddique , Nimra Shahid, Asli Ozturk Kiraz , A.Anotony Selvi, **Gurusamy Chelladurai** (2023) Herbal treatment of hypertension: Literature review, <https://doi.org/10.18231/j.ctppc.2023.019>, / Current Trends in Pharmacy and Pharmaceutical Chemistry, 5(3):83–87.
- 65 V. Bharathi , R Saravanan , G. Chelladurai , P. Srinivasan (2024) Nutritional composition, antioxidant properties, and molecular docking strategy of muricidae operculum (*Chicoreus ramosus*), <https://doi.org/10.1016/j.ipha.2023.11.006>.

Book chapter publication

S.No	Authors Name	Title of the Paper	Title of the Book & Year	Year	Remarks
National Publication					
1	Dr.G.Chelladurai	Environmental problems in India	Environmental Crisis and Sustainable Development: An Educational Perspective ISBN:9789-81-929575-7-9	2015	Published
2	Dr. G.Chelladurai	Medicinal plants as boon for human welfare	Recent Progress in Phytochemistry and Pharmacognosy ISBN : 978-93-5268-311-6	2018	Published
3	Dr. G.Chelladurai	Medicinal Plants and Human Health	Recent Trends in Phytochemistry, Pharmacognosy and Pharmaco biotechnology of Medicinal Plants ISBN:978-93-5300-430-9	2018	Published
4	Dr.G.Chelladurai & Dr.V.Uma	Climate Change impact on Environment	Effect of Climate change on Marine Life ISBN:978-93-5288-008-9	2018	Published
5	Dr.V.Uma & Dr.G.Chelladurai	Climate Change impact on Environment	Effects of climate changes on the biodiversity- problems: futures ISBN:978-93-5288-008-9	2018	Published
6	Dr.G.Chelladurai & Prof.J.Thomas	Precaution of Coronavirus	Researchers view on COVID-19 ISBN: 978-81-942871-5-5	2020	Published
7	Dr.G.Chelladurai	National Educational Policy 2020 in India	New Education Policy –an Overview	2020	Published
8	Dr.G.Chelladuai	Impact on Social Media in Health System	Impact of Social Media ISBN:978-93-5291-361-9	2020	Published

9	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	Published
10	Dr.G.Chelladurai, Dr. Raju & Narayana Moorthi	Impact of Coronavirus on Indian Business	e-Commerce Operation and Supply chain Management ISBN :978-93-90996-35-3	2021	Published
11	Dr.G.Chelladurai	Tribal education system India	Tribal education system in India	2021	Accepted
12	Dr.M.Nagamalar, Dr.G.Chelladurai	Government initiatives for Women Empowerment	Women in Indian Politics ISBN : 978-93-91002-70-1	2021	Published
13	G.Chelladurai, Dr. R.Paulmoni, Dr. R. Shekhar	Proceedings of International Conference on Youth and Entrepreneurship Development	Entrepreneurship opportunities in life sciences ISBN : 978-93-5593-659-2	2022	Published
14	Dr.M.Nagamalar and Dr.G.Chelladurai	Impact of COVID19 in Indian democracy	Indian democracy ISBN:978-93-90692-23-1	2022	Published
15	Dr.G.Chelladurai	Sustainable Agriculture Development In India – Pandemic Survival	Sustainable Agriculture Development In India – Pandemic Survival ISBN: 978-93-5620-251-1	2022	Published
16	Dr.G.Chelladurai	The Introduction of Psychology	A New Era of Educational Psychology ISBN: 978-93-94424-60-9	2023	Published
17	Dr.G.Chelladurai	"Unravelling Reproductive Success with Carotenoid-powered through Machine Learning"	"Advances in Academic Research and Development (Volume - 11)" ISBN: 978-93-5834-807-1.	2024	Published
International Publications					
1	Gurusamy Chelladurai et al.,	"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	Published
2	Gurusamy Chelladurai et al.,	"Water Resources for Sustainable Mariculture"	"Current Research in Fisheries and Aquatic Science (Volume - 1), Weser Publication (Germany) ISBN: 978-3-96492-340-0	2022	Published
3	Gurusamy Chelladurai et al.,	Education and E- Learning	Current Trends in Multidisciplinary Research (Volume – 10)" Rubicon	2022	Published

			Publications (England). (ISBN: 978-1-91348-226-8)		
4	Gurusamy Chelladurai et al.,	Environmental Education	Recent Advancement in Multidisciplinary and Current Sciences (Volume – 1) Rubicon Publications (England).	2022	Published
5	Dr.G.Chelladurai	Water resources for sustainable Mari culture	Current Research in Fisheries and Aquatic Science ISBN: 978-3-96492-340-0	2022	Published

Publication (Edited Books)

S.No	Name of the Editors	Title of the Book	ISBN	Year
1	Dr.G.Chelladurai	Aquaculture Development trends in India	978-93-5267-526-5	2016
2	Mr.S.Suresh, Dr.G.Chelladurai	AngagaVelanmai	978-93-5268-616-2	2017
3	Dr.G.Chelladurai	Handbook of Medical Laboratory Technology	978-93-5288-163-4	2019
4	Dr. V.Uma & Dr.G.Chelladurai	Handbook of Research Methodology	978-93-5346-879-8	2019
5.	Dr.Chelladurai	Marine Nutraceuticals ; challenges and opportunities	Research Culture Society and Publication 978-93-5279-062-3	2021
6.	Dr.G.Chelladurai, Dr.B.Makesh Kuamr & Dr.D.Inbakandan	Ecosystem concept for Sustainable Mariculture Production in India	Bentham Publication, UAE	Processing
7	Dr.Prisila Suresh, Dr.G.Chelladurai & Dr.S.Bhuvaneswari	Impact of COVID-19 on human Health and Nature	Krishna Publication, Gujarat, Inida 978-93-90627-21-9	Published
8	Dr.G.Chelladurai, Dr.B.MakeshKumar Dr.T.Raja & Dr.J.Leo	Psychosocial health during COVID-19: A Scientific and Psychological analysis	CRC , Tailor & Francis Group, USA	Processing
9	Dr.G.Chelladuai, Dr. Muhammad Akram Dr. N. Chandra Lekha,	Water economy; Novel challenges and Prospects for revival and resilience	Cambridge Scholar Publication, UAE	Processing
10	Dr.DineshSheshrao Kharate Dr. K. Shoba Dr. Mangesh Sheshrao	Textbook of Essential Bioinformatics	Saliha Publications, Tamil Nadu, India ISBN: 978-81-948131-3-2	Published

	Kharate Dr. G. Chelladurai Dr. I. NiyasAhamed			
11	Dr. Muhammad Akram and Dr.G.Chelladurai et al.,	Covid-19 Global Pandemic: Effects of SARS-CoV-2 on Different Organs of Human Body	Academic Publications, New Delhi (978-93-93336-04-0)	Published
12	Dr. G. Chelladurai et al.,	Ethenopharmacological Properties of Muricidae Gastropods	Academic Publications, New Delhi (978-93-93336-03-3)	Published
13	Dr.G.Chelladurai et al.,	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)	Published
14	Dr.G.Chelladurai	Industrial Zoology	Krishna publication , Gujarat (978-93-90627-13-4)	Published
15	Dr.G.Chelladurai	Reckoning of Physicochemical Constraints of FreshWaters at Theni District,Tamil Nadu, India	Academic Publications, New Delhi (978-93-93336-06-4)	Published
16	Dr.G.Chelladurai et al.,	Immunology and Microbiology	SCI-TECH Publication (India)PVT.LTD, Chennai	Under printing Process
17	Dr.G.Chelladurai et al.,	Biological Chemistry	EMERALD Publishing PVT.LTD, Chennai	Under printing Process
18	Dr.G.Chelladurai et al.,	Forensic Zoology	SCI-Tech Publication (India) PVT.LTD	Under Printing Process
19	Dr.G.Chelladurai et al.,	Allied Zoology (Invertebrata, Vertebrata, Cell Biology, Genetics and Ecology	Sanklap Publication PVT.LTD	Under Printing Process
20	Dr.G.Chelladurai	Cell Biology Genetics,Animal Physiology and Ecology	INSTA Tech Publication	Under Printing Process

Consultancy

S.No	Name of the institution	Designation	Nature of the job	Duration
1	Skills Art and Beyond Social Welfare Society, India	Consultant as Zoologist	Part Time	2019-2021

Popular Tamil article Published

1. M.Karthigarani and **G.Chelladurai** (2015) **Diversity of Marine Gastropods at Tuticorin Coast**, in proceeding of the seminar on Importance of Taxonomy in Conservation of faunal diversity in Tamil, organized by ENVIS centre on faunal diversity, Zoological survey of India, Kolkata.
2. **G.Chelladurai** (2015), **Over view of Star fish**, Puthiyaaruvial news, <http://www.newscience.in/katturaikal/article-139>.
3. **G.Chelladurai** and M.Karthigarani (2015) **Importance of Mushroom**, Puthiyaaruvial news. <http://www.newscience.in/katturaikal/article-140>.
4. M.Karthigarani and **G.Chelladurai**(2015)**Nanotechnology**,Puthiyaaruvialnews,<http://www.newscience.in/katturaikal/article-170>
5. **G.Chelladurai** and B.Suresh (2016) **Medicinal values of Marine gastropods**, Ariga aruvial,30:1,6-8.
6. M.Karthigarani, B.Suresh, **G.Chelladurai** (2015) **Colouration of food and its Causes**, Mulumaiaruviyal **9(2):7040-7042**.
7. J.Mohanraj and **G.Chelladurai** (2016) **Wave rider buoy at Tuticorin Coast**, Ariga aruvial.
8. B.Suresh and **G.Chelladurai** (2016) **Antioxident**, Mulumaiaruviyal 9(9):7513-7523.
9. B. Suresh, A. Mathanagopal and **G.Chelladurai** (2017) Aruviyalvalarchiealpengal, Ariga Aruviyal,31(5):29-30.

Popular English Article published

1. **G.Chelladurai** (2016) Interesting facts about Insects, Fun Quiz. Science reporter,5:60-61
2. **G. Chelladurai** (2016) Abnormal development of Star fish, News Item, Science reporter 10:11

Gene Sequences Deposited in the World Gene bank

1. 18SrRNA of *Babylonia spirata* has been partially sequenced and submitted in NCBI Gene Bank (Accession no:KP759769) **Chelladurai, G.** Karthika rani, K. and Mohanraj, J.
2. 18SrRNA of *Babylonia zeylanica* has been partially sequenced and submitted in NCBI Gene Bank (Accession no: KP763638) Karthigarani, M. **Chelladurai, G.**
3. COI sequence of *Artemiasalina* has been partially sequenced and submitted in NCBI Gene Bank (Accession no:KR027918) **Chelladurai, G.** and Mohan raj, J.
4. 16S rRNA of *Hildegardiapopulifolia* has been partially sequenced and submitted in NCBI Gene Bank (Accession no:KX099894) M,J.G., A,D., V,N. and **G,C.**
5. 16S rRNA of *Grewiaemarginata* has been partially sequenced and submitted in NCBI Gene Bank (Accession no:KX099891) M,J.G., A,D., V,N. and **G,C.**
6. 16S rRNA of *Tuliparitiaceum* has been partially sequenced and submitted in NCBI Gene Bank (Accession no:KX099892) M,J.G., A,D., V,N. and **G,C.**
7. 16S rRNA of *Abutilon indicum* has been partially sequenced and submitted in NCBI Gene Bank (Accession no:KX099893) M,J.G., A,D., V,N. and **G,C.**
8. 16S rRNA of *Thespesiapopulnea* has been partially sequenced and submitted in NCBI Gene Bank (Accession no:KX099894) M,J.G., A,D., V,N. and **G,C.**
9. COI sequence of *Chaetodonotofasciatus* (Eight band butterfly fish) has been partially sequenced and submitted in NCBI Gene Bank (Accession no: KX618188) Jayanthi,G., Anand,M., Arun,M., Shrinivaasu,S., VishwasRao,M, **Chelladurai,G.**, SheebaNancy,K. and Kumaraguru,A.K

- COI sequence of *Heniochus acuminatus* (Pennant coral fish) has been partially sequenced and submitted in NCBI Gene Bank (Accession no: KX618189) Jayanthi,G., Anand,M., Arun,M., Shrinivaasu,S., VishwasRao,M, **Chelladurai,G.**, SheebaNancy,K. and Kumaraguru,A.K

National Conference/Symposia Proceedings

- G.Chelladurai**, T.Veni and I,Vijaykumar, The Effect of Two Anaesthetics On Blood Biochemical profiles and histological changes in *Channapunctatus*.In proceedings of National Conference On frontier Areas In Applied Zoology, AyyaNadarJanakiAmmal College, Sivakasi,2012.
- G.Chelladurai**, J.Mohanraj, J.Felicitta, I.Vijayakumar, Mechanism of slow release of carbohydrate and treatment for diabetes, In proceedings of National conference on “Lifestyle Modification towards Management of Diabetes ”Tuticorin,2012,p12.
- I.Vijayakumar, M.Selvendran, **G.Chelladurai**, J.Mohanraj. Studies on bioactive compounds from marine phytoplankton .In proceedings of National Conference On “Frontier Areas in Applied Zoology”, Sivakasi, 2012.
- G.Chelladurai**, J.Mohanraj, M.Sasirakhamani, I,Vijaykumar. Distribution of Marine gastropods in Tuticorin coast. In Proceeding of Biodiversity Biodiversity and Bioresources; A Fragile at St.Xavierscollege, Palayamkottai, 25-26, Feb, 2013.
- G.Chelladurai**, J.Mohanraj,I.Vijayakumar. Biodiveristy of Marine gastropod fauna in Tuticorin coast. In proceeding of Biodiversity For you at Pops College, Tuticorin- 25Feb, 2013.
- G.Chelladurai**, J.Mohanraj (2014) Effect of foormuated diet on growth immunomoduation in marine molluscs(*Babylonia spirata*), Tuticorin Coast, on 20th Feb 2014 at Department of Zoology , SasakathullahAppa College, Tirunelveli, TamilNadu.
- T.Veni, **G. Chelladurai**, I. Vijayakumar, Role of physical activity for primary prevention of diabetes mellitus, National Conference on “Lifestyle Modification towards Management of Diabetes” on 4 Feb 2012 at Holy Cross Home Science College, Tuticorin.
- G.Chelladurai**,S.Balakrishnan,M.Sasirekhamani, J.Mohanraj. Coral reef associated gastropod diversity from Gulf of Mannar Islands of Tuticorin coast. In proceeding of World Ocean Science Congress, Kochi, India 05-08, Feb, 2015.
- I.Vijayakumar, S. Syed Hussainpeeran, **G. Chelladurai**. Biodiversity and distribution of Orthopteroid insects in Alagar Hills Eastern Ghats, Madurai, Tamil Nadu. In proceeding of National Conference on Impact of Climate Change on Environment and Biodiversity (NCCEB - 2015) on 26& 27 March 2015.
- G.Chelladurai** and J.Mohanraj (2015) Biodiversity of Star fish along the Tuticorin coast, Gulf of Mannar, In Proceeding of Biodiversity and Conservation;Present status and Future Perspectives on 12th& 13th February 2015 held at St.Xaviers College, Palayamkottai, TamilNadu
- G.Chelladurai** and J. Mohanraj. Isolation and characterization of Bioactive compounds form Milky mushroom (*Calocybeindica*).In proceeding of National conference on Advanced materials and their application (NCAMA) on 21 & 22 January 2016 at VOC College, Tuticorin,Tamilnadu.
- G.Chelladurai**,J.Mohanraj and A.Doss (2016) Diversity and Distribution of Asteroids from Tuticorin coast, Southeast coast of India. In proceeding of National Seminar on Marine Bioresources: Prosspects and Threats on 11th& 12th February,2016 at St.Marys College (Autonomous), Tuticorin,Tamilnadu.
- A.Doss and **Chelladurai** (2016) Marine Resources-A potential source for human welfare,In proceeding of National Seminar on Marine Bioresources: Prospects and Threats on 11th& 12th February,2016 at St.Marys College (Autonomous), Tuticorin, Tamilnadu.
- G.Chelladurai**, Selvarani(2016) Medicinal plants as boon for microbial infection, in proceeding of UGC Sponsored National Seminar on Emerging Infectious Diseases and Curative Measures (EMIDCM,16) on 22 & 23 December 2016 at Dept of Microbiology, Kamaraj College, Tuticorin, TamilNadu
- G.Chelladurai** (2016) Bioactive compounds from Marine molluscs, in proceeding of DBT sponsored National Conference on ‘Changing Disease Profile;Challenges facing Basic and

Translational Research in India on 5th&6th October 2016 at Department of Biochemistry, Dr.NGP Arts and Science College,Coimabtoore, TamilNadu

16. **G.Chelladurai** (2020) Some Plant Molecules Against The Coronavirus in proceeding of National Conference on Online Conference STUDY ON COVID-19” in India from 01-05-2020 to 15-05-2020 at SERBD & ERF, Uttapradesh.

Paper/ Poster Presented at the National, International Seminar and Symposium

College Level Competition

Participated in the BIOQUEST-2010 Intercollegiate competition and presented a poster entitled Swine Flu held on 28&29.01.2010 in the Dept. of Bio science, Noorul Islam Arts & Science College, Kumaracoil and won second prize in poster presentation.

National Conference/ Seminar

1. **G.Chelladurai**, J.Mohanraj, J.Felicitta and I.Vijayakumar “Mechanism of slow release of carbohydrate and treatment for diabetes”. In proceedings of National conference on “Lifestyle Modification towards Management of Diabetes ”Tuticorin, 2012, p12.
2. **G.Chelladurai**, J.Mohan raj and I.Vijayakumar “Biodiveristy of Marine gastropod in Tuticorin coast” .In proceeding of Biodiversity for you” at Pops College, Tuticorin-25Feb-2013.
3. I.Vijayakumar, M.Selvendran, **G.Chelladurai** and J.Mohanraj “Studies on bioactive compounds from marine phytoplankton” .In proceedings of National Conference On “Frontier Areas in Applied Zoology”, Sivakasi, 15-17 March-2012.
4. **G.Chelladurai**, J.Mohanraj”Comparative Study on Growth, Feed Consumption and Survival of Spiral Babylon *Babylonia spirata* Linnaeus, 1758 (Mollusca: Gastropoda) Fed with Formulated Diets”. In proceeding of National seminar on Emerging trends in Aquaculture at SadkathullahAppa College (Autonomous), Tirunelveli, 29 Feb-2014.
5. **G.Chelladurai**, J.Mohan raj. “Cultivation Technology for Lingzhi mushroom using seafood processing and Agro-industrial wastes”. In proceeding of National Conference on Frontier vistas in Modern Biotechnology at American College (Autonomous), Madurai,12 December-2014.
6. **G.Chelladurai**, S.Balakrishnan, M.Sasirkhamani, J.Mohanraj, coralreef associated marine gastropods from Tuticorin coast, Gulf of Mannar. In proceeding of National conference on Biodiversity and conservation: Present status and future perspectives at St. Xavier’s college (Autonomous),Palayamkottai, 12-13th February-2015.
7. **G.Chelladurai** (2018) Mushroom extracts as immunomodulation for health Management of Spiral babylonia, Mollusca: Gastropoda, In Proceeding of National Seminar on Probiotics and Nutraceutical for health Management of Animal and Human at Dept of Animal Science, MS university on 18thseptember 2017.
8. **G.Chelladurai** (2022) “Coral Reef Associated Fish Fauna From Tuticorin Centres, Gulf Of Mannar, In Proceeding of Two days National Global Marine Diversity- Status, Threats and Conservation-(NCGMB, 2022)” organized by the Department of Zoology, VVVanniaperumal College for Women under DBT Star College Scheme from 09.03.2022 to 10.03.2022.
9. **G.Chelladurai** (2022) Development of COVID-19 drug from Amentoflavon of Biophytum sp. In Proceeding of Two days National level Conference on Post COVID-19 Complication: A Biotechnological approach, organized by Dept of Biotechnology , Jamaal Mohamed College (Autonomous) from 7.9.2022 and 8.9.2022.

Faculty Development Programme

1. **G.Chelladurai** (2022) Online Five Days International Faculty Development Programme on" Management of Emotions for Success in Career and Life" held on 29.03.2022 organized by the School of Humanities & IQAC, Guru Nanak College, Guru Nanak Salai, Velachery, Chennai, TamilNadu

2. **G.Chelladurai** (2022) Online Five Days Faculty Development Programme on Biotechnological Innovations in Health Care held from 14th March to 18th March 2022 organized by Marian Star Centre , Dept of Zoology, St.Marys College (Autonomous), Thoothukudi, Tamilnadu
3. **G.Chelladurai** (2022) Online Five Days Faculty Development Programme on Biotechnology today and tomorrow ; innovations and implications held from 1st September to 5th September 2022 organized by Marian Star Centre , Dept of Zoology, St.Marys College (Autonomous), Thoothukudi, Tamilnadu
4. **G.Chelladurai** (2023) Online Five days faculty development Programme on Positive Aspect of Teaching Practices held from 20.2.2023 to 24.02.2023 organized by IQAC and Department of Commerce, Theivanai Ammal College for Women (A), Villupuram.
5. **G.Chelladurai** (2023) One week online Faculty Development Programme on Life Science organized by cluster department of Life Sciences , Ayya Nadar Janaki Ammal College, Sivakasi from 21.02.2024 to 27.02.2024 under UGC –Autonomy Grant.

International Conference / Seminar

1. **G.Chelladurai** (2017) Human and Molluscs in proceeding of **International NUS-VIT Symposium Theranostics in Health Disease** at VIT University, Vellore, 20 July 2017.
2. **G.Chelladurai** (2018) **International Conference An approach to Applied life Sciences** organized y Department of Microbiology, St. Marys College, Thoothukudi, TamilNadu
3. **G.Chelladurai** (2019) Antibacterial activity of certain mushroom extract against *Aeromonas hydrophila* in proceeding **International Conference of Innovative Research and Biological Sciences** at PMT College, Tirunelveli, TamilNadu on 9th January 2019
4. **G.Chelladurai** (2020) **International e-Conference on “Strategies & Challenges in Higher Education during COVID-19 Lockdown Period in India with reference to the World”** organized by Government Vidarbha Institute of Science & Humanities, Amravati, India on 15th - 17th May, 2020.
5. **G.Chelladurai** (2021) **3rd online International Conference on Fisheries and Aquaculture**, organized by Coalesce Research Group, National Taiwan Ocean University, Taiwan on 15th - 16th 2021
6. **G.Chelladurai** (2022) “Bio-prospecting potential of novel compounds from operculum extract of *Babylonia spirata* (Molluscs; Gastropoda) against bone cancer; the first Invitro and Insilico approach” In Proceeding of **International Conference on “Applied Biology for Sustainable Development”**, Organized by the PG Department of Zoology and Research Centre, Sri Parasakthi College for Women, Courtallam on 21.03.2022 & 22.03.2022
7. **G.Chelladurai** (2022) “Marine pharmacological properties of sea sponge (*auletta elongate*) from thoothukudi coast, Gulf of Mannar” In proceeding of **International Conference on Recent invention in Biological Research (ICRIBR-2022)** organized by Department of Botany , PSGR Krishnamal, Tamilnadu on 17 & 18th March 2022.

Workshop / Summer School Attended

1. **National workshop on cobia culture** conducted on 01.03.2013 & 02.03.2013 held at Fisheries College and Research Institute, Tamilnadu Veterinary and Animal Sciences University, Tuticorin.
2. **National Workshop on Advanced Nano-Characterization Techniques as Complementary Tools for Bimolecular Application** on 22nd January & 7th February 2014, Sponsored by Department of Biotechnology, Government of India held at Noorul Islam University, Tamil Nadu.
3. **Summer School on Technological Advancements in the Seed Production of Marine finfish and Shellfish** on 20th August & 9th September 2014, Sponsored by Indian Council of Agriculture Research held at Central Marine Fisheries Research Institute, Mandapam Regional Centre, Tamilnadu.
4. **National workshop on Biodiversity and Conservation of Fishery Resources (BCFR)** sponsored by National fisheries Development Board on 10 & 11 November 2016 held at Tamil Nadu Fisheries University Training Centre, KaniyaKumari, TamilNadu.
5. **National level Lecturer Workshop on Current Scenario of Plant Science** on 28th & 29th December 2016 held at Research Department of Botany, VOC College, Tuticorin, TamilNadu

6. **National Workshop on Biodiversity and Conservation of Aquatic Resources (BioCAR'2016)** on 10-11th November 2016 held at Fisheries Training and Research Centre, TNOU, Parakkai, TamilNadu
7. **National Workshop on New Curriculum development for higher Secondary School Students** on 21-22 July 2017 held at Secondary council of Education and Research Training, Government of Tamil Nadu.
8. **National Level Lecture Workshop on Recent Advances in Biological Sciences (RABS-17)** on 26 & 27 September 2017 held at Department of Botany, G.V.N.College, Kovilpatti, Tuticorin (Dst)
9. **National level Lecturer workshop on Emerging trends in Life Sciences (ETLS'17)** on 13 to 14 December 2017 held at Department of Microbiology, Kamaraj College, Tuticorin
10. **State level Workshop on Application of Science and Technology in Rural Areas** sponsored by TNSCST held at Department of Botany, GVN College, Thoothukudi
11. **National Level Lecture Workshop on Application of Nanoparticles in Medicine (ANM-17)** on 21 & 22 August 2017 held at Department of Zoology, Kamaraj College, Thoothukudi
12. **State Level workshop on Bee Keeping** on 4th February 2019 held at Department of Botany, G.V.N.College, Kovilpatti, Tuticorin (Dst).
13. **National level DBT Sponsored One day Workshop on Foldscope Assembly and Usage** on 28 February 2019 held at Department of Zoology, Aditanar College, Tiruchendur, Thoothukudi.
14. International workshop on **“Silicon Crystal Growth for Photovoltaic Applications”** on 7th January 2022 organized by SSN Research Centre, SSN Institutions, Chennai and Nagoya University, Japan

Training Programme Attended

1. Students training Programme on **“Bio-inputs in Agriculture”** sponsored by TNSCST & DIT for College students on 10th October 2009 held at Crop Protection Research Centre, Dept. of Advanced Zoology and Biotechnology, St. Xavier's College (Autonomous), Palayamkottai.
2. **ASTRA Programme** Sponsored by TNSCST on 02 December 2012 held at PG Department of Zoology from Kamaraj College.
3. National Training Programme on **“Micro algal culture and Water Quality Management in Aquaculture system”** on 9th to 13th December 2013 Sponsored by ICAR held at Central Marine fisheries Research institute at Tuticorin.
4. National Training Programme on **Biodiversity of Marine Molluscs (BOMM-2014)** on 13th to 14th March 2014 sponsored by Ministry of Human Resource Development held at CAS in Marine Biology, Annamalai University, Parangipettai, Tamilnadu.
5. Short term course on **Research Methodology in Science** on 23rd to 28th June 2014 sponsored by University Grant Commission held at Academic Staff College, Madurai Kamaraj University, Madurai, Tamilnadu.
6. Short term course on **Practical aspect of Seafood Safety** on 14th to 24th July 2014 sponsored by Indian Council of Agricultural Research held at Central Institute of Fisheries Technology, Cochin, Kerala.
7. Short term course on **Aquatic Pollution and abatement on 6th to 15 November 2017** sponsored by Indian Council of Agricultural Research at college of fisheries, Mangaluru
8. Three days Study tour on **Bamboo value addition** on July 12-14th 2022 organized by IFGTB with sponsored by Indian council of forest research, New Delhi
9. Two days online workshop on Molecular Docking on February 2023 organized by Nirmala College for women (Autonomous), Coimbatore with academic collaboration activity under Xavier board of higher education.

Participated in Conference/Seminar/Symposium

1. State level seminar on **“Implication of climate change”** organized by the Department of Advanced zoology and biotechnology, St. Mary's College, Tuticorin on 23.07.2010.
2. International symposium on **“Insect Pest Management”** organized by the Entomology Research Unit, St. Xavier's College (Autonomous), Palayamkottai on 23rd to 25th Feb 2011.
3. **Third Biopesticide** International Conference (BIOCICON 2011) Organized by the Crop Protection Research Centre, Dept. of Advanced zoology and Biotechnology, St. Xavier's

College (Autonomous) sponsored by Tamil Nadu Agricultural University, Coimbatore on November 28-30, 2011.

4. National seminar on “**Climate Change Impacts on Environment**” held on 4th & 5th April, 2013, Sponsored by Ministry of Earth Sciences, New Delhi, organized by Dept. of Physics, Kamaraj College, Tuticorin.
5. State level seminar on “**Ensuring the Sustainability of Coastal Environment**” organized by the Department of Advanced Zoology and Biotechnology, St. Mary’s College, Tuticorin on 15&16.10.2010.
6. National level symposium on “**Computational Approaches in Microbial Biotechnology (CAMBT 14)**” organized by the Department of Biotechnology, Manonmaniam Sundaranar University on February 21, 2014.
7. National level Seminar on **Nuclear Power: A safe, Clean & Sustainable option (SSNP-2015)** Organized by the Department of Physics, Kamaraj College on September 10-11, 2015.
8. State Level Seminar on **Biodiversity of flora** organized by the Department of Plant Biology and Plant Biotechnology, GVN College, Kovilpatti, Tuticorin (Dst), Tamilnadu held on 1st February 2017.
9. National level seminar on **Seaweed Mariculture Prospective Biotechnology for Coastal Economy** held on 5th and 6th October 2017 sponsored by DST-SERB, New Delhi, organized by Department of Botany, Kamaraj College, Tuticorin.
10. National Level Conference on **Innovative Trends in Life science** held on 12 September 2018 sponsored by Kamaraj College, Thoothukudi organized by Department of Microbiology, Kamaraj College, Thoothukudi, TamilNadu.

Editor/ Reviewer/Advisory Board Member in Journals

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 (ISSN: 2455-4758,) **Web of Science**

Membership in Professional Societies/ Organization/ Institutions

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/SFLS/JFLS/620/2022-23**)
12. Member of International Society for Environmental Information Sciences (ISEIS)
13. Member of Hong Kong Chemical, Biological & Environmental Engineering Society (**HKCBEES**)
14. Associate Member of International Society for Development and Sustainability (**ISDS**)

Personal Details

Name : Dr. G.Chelladurai,
Father's Name : P.Guruswamy
Date of Birth : 22-05-1990
Religion : Hindu
Nationality : Indian
Marital status : Married

Signature

