

# CURRICULUM VITÆ

1. Name : G. SHARMILA
2. Qualifications : M.Sc., M.Phil., UGC CSIR - NET
3. Age & Date of Birth : 39 yrs, 12th June 1979
4. Sex & Nationality : Female, Indian
5. Current Address  
Office Address : Department of Zoology & Wildlife Biology  
A.V.C. College (Autonomous),  
Mannampandal - 609 305, Mayiladuthurai  
Nagapattinam Dist.  
Tamil Nadu  
Mobile number – 9894326993  
E-mail ID – [viswanathansharmila@gmail.com](mailto:viswanathansharmila@gmail.com)
- Residential Address : No. 9, Om Kaliswarar Sannathi St.  
Kuttalam Po., Mayiladuthurai,  
Nagapattinam Dist. - 609 801  
Mobile number – 9894326993, 9894223101



## 6. Educational & Professional Qualifications:

Degree	Name of the Institution/Board/ University	Subjects	Year	Division/ Grade Merit etc.
High School	Kendriya Vidyalaya, Pallipuram, Kerala CBSE	Physics, Chemistry, Biology, Social science, Hindi & English	1994	First class with Distinction (75%)
Higher Secondary	Kendriya Vidyalaya, Pallipuram, Kerala CBSE	Physics, Chemistry, Biology, Hindi & English	1996	First class (73%)
Bachelor's Degree(s)	All Saints College, University of Kerala	Zoology	1999	Distinction (82%)
Master's Degree (s)	A.V.C. College (Autonomous) Bharathidasan University	Zoology	2001	Distinction (Gold medal) (87%)
Research Degree (s) M.Phil.,	A.V.C. College (Autonomous) Bharathidasan University	Zoology	2003	Distinction (84%)
Other (s)	Qualified UGC- CSIR JRF NET	Life Sciences	2005	-

7. Proficiency in Languages known : English, Hindi, Tamil, Malayalam

8. Present Position Assistant Professor & Co-ordinator  
Department of Zoology & Wildlife Biology,  
A. V. C. College (Autonomous), Mannampandal

9. Total Teaching Experience as on 31.12.2017:

S. No.	Designation	Name of the Institution	Period of Service		YY	MM	DD
			From	To			
1.	Assistant Professor	A.V.C. College	15.02.2007	Till date	10	10	13
2.	Lecturer	Vivekananda College	01.11.2004	30.04.2005		06	
3.	Resource Person	DDE, Annamalai University	April, 2002	April, 2003	01		

10. Area of Specialization : Fish toxicology & Ecotoxicology

**M. Phil. Dissertation**

- Toxicity and Biochemical variation induced by Monocrotophos in *Cyprinus carpio* during the exposure and recovery period. M.Phil thesis submitted to Bharathidasan University, Trichy.

**M. Sc. Dissertation**

- Acute toxicity of Copper on the Morphological and Behavioural Aspects in *Labeo rohita*.

11. Orientations/ Refresher courses attended :

S. No.	O/R	Title of the course	From	To	Name of the Institution and Place	Grade Obtained
1	O	Orientation course	20.05.2009	16.06.2009	UGC-Academic Staff College, Pondicherry University, Puducherry.	'A'
2	R	Environmental Science (multi-disciplinary)	06.09.2011	26.09.2011	UGC - Academic Staff College, Madras University, Chennai.	'A'
3.	R	Life Science (inter-disciplinary)	06.05.2015	26.05.2015	UGC-Human Resource Development Centre, Bharathiar University, Coimbatore.	'A'

## 12. Research Grants Obtained :

Agency	Name/Type	Year	Amount
UGC - SERO, Hyderabad as Principal Investigator	Minor Project	2016	Rs. 4,20,000

## 13. Responsibilities :

- Co-ordinator of Department of Zoology & Wildlife Biology From 1st June, 2017 onwards.
- Member in 'Cell for prevention of sexual harassment for working women' from June 2015 onwards.
- Co-ordinator of 'Cell for prevention of sexual harassment for working women' from June 2010 to June 2014.
- Member in 'Board of studies' from March 2012 onwards.
- Member of 'Sports council' from June 2010 onwards.
- Member in 'Attendance and CIA Question Paper verification committee' in the department from June 2012 - May 2013.
- Member in 'Anti-ragging committee' from June 2014 onwards

## 14. Research Publications :

- **Sharmila Gunasekaran** and Kavitha Arumugam Vellaichamy. 2019. *Haematological Status of Common Carp, Cyprinus carpio L. Exposed to Sublethal Dose of Organophosphorus Pesticide, Monocrotophos*. The Pharma Innovation Journal. Volume 8 (3), pp. 178-182. ISSN Online: 2277-7695, Print ISSN: 2349-8242,
- **Sharmila, G.** and A.V. Kavitha. 2018. *Behavioural anomalies in Cyprinus carpio L. induced by monocrotophos intoxication in sublethal doses*. Trends in Fisheries Research. Dama International Publication. Vol. 7, Issue - 3, pp: 40 - 44. (ISSN No. 2319-474X (p); 2319-4758 (e))
- **Sharmila, G.** and A.V. Kavitha. 2017. *Alterations in biochemical parameters of Cyprinus carpio (Linn. 1758) induced by chronic exposure to organophosphorus pesticide, monocrotophos*. International Journal of Applied Research. Vol. 3, Issue - 9, pp: 399 - 403. (ISSN No. 2394-7500 with impact factor (ISRA) - 5.2)
- Rubul Tanti and **Sharmila G**, 2017. *Emersion Tolerance With Responses To Physiological And Behavioral Implications of Three Commonly Available Air Breathing Fishes of Digboi Region, Assam*. International Journal of Recent Scientific Research. Vol. 8, Issue, 8, pp. 19344-19348, August, 2017. (ISSN No. 0976-3031 with impact factor of 5.72)
- **Sharmila, G.** and G. Subashini. 2016. *Prevalence of dental fluorosis in association with high levels of fluoride content in drinking water of Nagapattinam and Cuddalore districts of Tamil Nadu, India*. International Journal of Zoology and Applied Biosciences. Volume I, Issue 5, pp: 226-230. (ISSN No. 2455- 9571)
- **Sharmila, G.** and R. Mekala. 2013. *Respiratory and behavioural responses of freshwater fish, Catla catla to copper toxicity*. Mayur, Vol. IX., pp. no. 43-46.
- **Sharmila, G.** and C. Maruthanayagam. 2005. *Effect of Monocrotophos on Biochemical Markers DNA and RNA in Cyprinus carpio during exposure and recovery period*. Nature Environment and Pollution Technology. Vol. 4 No. 1: pp. no. 57- 59. (ISSN No. 0972- 6268 with impact factor - 1.5)

- **Sharmila, G.** and C. Maruthanayagam. 2004. *Lethal and Sublethal effects of Endosulfan on Cyprinus carpio*. Journal of Ecobiology. Palani Paramount Publications. 16 (5): pp. no. 365-368. (ISSN No. 0970-9037)
- **Sharmila, G.** and C. Maruthanayagam. 2004. *Biochemical variations induced by Monocrotophos in Cyprinus carpio during the exposure and recovery period*. Natural Environment and Pollution Technology. Technoscience Publications. Vol.3. No.1: pp. no. 1-9. (ISSN No. 0972- 6268 with impact factor - 1.5)

#### 16. Publication of papers in Proceedings of Seminars/Conferences etc.:

- **Sharmila, G.** and A.V. Kavitha. 2017. '*Haematobiochemical alterations induced by chronic exposure to Monocrotophos in Cyprinus carpio*' in the proceedings of National Level Conference on fisheries organized by PG Department of Zoology, Govt. Arts College for Women (Autonomous), Kumbakonam
- **Sharmila, G.** and A.V. Kavitha. 2017. '*Behavioural alterations in Cyprinus carpio L. induced by chronic exposure to organophosphorus pesticide, Monocrotophos*' in the proceedings of National Level Seminar on Advanced Zoology and Research organized by PG Department of Zoology, Adhiyaman Arts and Science College for Women, Uthangarai on 22<sup>nd</sup> September, 2017. (ISBN No. 978-93-5288-149-9)
- **Sharmila, G.** and R. Mekala. 2015. '*Assessment of copper toxicity on opercular activity of Catla catla and role of Eichhornia crassipes in its control*' in the proceedings of UGC sponsored Two days State level Conference on '*Recent Trends in Bio Science - RTIBS 2015*' at Department of Zoology, Poompuhar College (Autonomous), Melaiyur, Tamil Nadu on 08<sup>th</sup> and 09<sup>th</sup> January, 2015, pp. no. 215-216.
- **Sharmila, G.** and C. Maruthanayagam. 2012. '*Potency of Lantana camara in the control of filarial vector, Culex quinquefasciatus*' in the proceedings of International Conference on '*Science and Technology for Clean and Green Environment*' at Annamalai University on 27<sup>th</sup> and 28<sup>th</sup> July, 2012, pp. no. 123-125. (ISBN No. 978-93-80174-05-1)
- **Sharmila, G.** and C. Maruthanayagam. 2012. '*Effect of Monocrotophos on the biochemical constituents and nucleic acid content in Cyprinus carpio during the exposure and recovery period*' in the proceedings of National Conference on '*Aquatic Animal Health and Management*' at Centre of Advanced Study in Marine Biology, Annamalai University on 14<sup>th</sup> and 15<sup>th</sup> September, 2012, pp. no. 356-357.
- **Sharmila, G.** and C. Maruthanayagam. 2003. '*Effect of Monocrotophos on Biochemical Markers DNA and RNA in Cyprinus carpio during exposure and recovery period*' in the proceedings of UGC sponsored National Seminar on '*Recent trends on the study of Aquatic and Terrestrial Bio-resources*' organized by the Department of Zoology, Annamalai University, Annamalai Nagar on 27<sup>th</sup> -28<sup>th</sup> Feb., 2003, pp. no. 312-314.

#### 17. Books / Books Chapters Published :

- Sankari, A., **Sharmila, G.**, Duraimurugan, V. and S. Jayakumar. 2015. A Manual of Practical for Allied Zoology, Department of Zoology, A.V.C. College (Autonomous), Mannampandal.

- **Sharmila, G.,** Sankari, A. and S. Asokan. 2014. A Manual of Practical on Cell Biology and Genetics (*Private Circulation*). Department of Zoology, A.V.C. College (Autonomous), Mannampandal.
- **Sharmila, G.** and A. Sankari. 2012. Brochure titled '*Towards a solution...*' for the Cell for Prevention of Sexual Harassment for working women, A.V.C. College (Autonomous), Mannampandal.
- **Sharmila, G.** and C. Maruthanayagam. 2005. *Toxicity of Copper on the Morphological and Behavioural aspects in Labeo rohita*. In (Ed.Arvind Kumar) Ecology and Ethology of Aquatic Biota, Daya publishing house, New Delhi.

#### 18. Articles in Popular Magazine :

- **Sharmila, G.** 2017. 'From Sharmila's Desk - "Why Men Don't Listen & Women Can't Read Maps'. PEKAK, A.V.C. College (Autonomous), Mannampandal.
- **Sharmila, G.** 2015. 'A letter written in 2070'. PEKAK, A.V.C. College (Autonomous), Mannampandal.
- **Sharmila, G.** 2014. 'The Woman' PEKAK, A.V.C. College (Autonomous), Mannampandal.
- **Sharmila, G.** 2011. 'Humiliated Womanhood – Towards a Solution'. PEKAK, A.V.C. College (Autonomous), Mannampandal.
- **Sharmila, G.** 2008. 'Be a Leader' PEKAK, A.V.C.College (Autonomous), Mannampandal.
- **Sharmila, G.** and C. Maruthanayagam. 2004. '*Pesticides – A Boon or curse to Human*'. AgroBios Newsletter. Vol. 2(8): 30-31.

#### 19. Conferences/Seminars/Guest Lectures attended :

- Participated and presented paper in UGC sponsored '*National Conference on Fisheries*' organized by P.G & Research Department of Chemistry and Zoology, Government College for Women (Autonomous), Kumbakonam.
- Participated and presented paper in the National Level Seminar on '*Advanced Zoology and Research*' organized by PG Department of Zoology, Adhiyaman Arts and Science College for Women, Uthangarai on 22<sup>nd</sup> September, 2017.
- Participated and presented paper and won third prize in the UGC sponsored National Conference on '*Healthcare and Biotechnology in India: Emerging trends and challenges (HBIETC-2017)*' organised by PG and Research Department of Zoology and Biotechnology, at A.V.V.M Sri Pushpam College (Autonomous), Poondi, Thanjavur, on 17th & 18th August, 2017.
- Participated and presented paper in the International conference on '*Current Challenges in conservation of Biodiversity*' (*In4CB - 2017*) held at A.V.C College (Autonomous) from 16th to 18th February, 2017

- Participated in the International Conference on '**Conservation of Natural Resources**' and inauguration of 100th Chapter of OISCA - International, South India, Trichy, held at PG and Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti on 17th September, 2016.
- Participated and presented paper in the Student's National conference on '**The Current Perspectives of Biosciences (SCCPBs - 2016)**' organized by Department of Zoology, A.V.C College (Autonomous) on 20th February, 2016.
- Participated and presented paper in the ICMR sponsored National Conference on '**Public Health & Hygiene**' **NCPPH - 2016** held at Periyar Government Arts College, Cuddalore on 04th & 05th February, 2016.
- Participated and presented paper in One day Seminar on '**Biochemistry**' organized by P.G & Research Department of Chemistry and Zoology, Government College for Women (Autonomous), Kumbakonam on 24th February 2015.
- Participated in one day National Seminar on '**The art of Scientific Writing**' organized by the Internal Quality Assurance Cell (IQAC), Dharmapuram Gnanambigai Govt. Arts College (W), Mayiladuthurai on 31<sup>st</sup> January, 2015.
- Participated and presented a paper in UGC sponsored Two days State level Conference on '**Recent Trends in Bio Science - RTIBS 2015**' at Department of Zoology, Poompuhar College (Autonomous), Melaiyur, Tamil Nadu on 08<sup>th</sup> and 09<sup>th</sup> January, 2015.
- Participated in the UGC assisted Guest Lecture on '**Judicial Activism towards Prevention of Ragging**' organized by A.V.C. College (Autonomous) on 1st October, 2014.
- Participated in UGC sponsored National Seminar on '**Biosciences and Conservation - NABCON 14**' organized by the Department of Zoology, A.V.C. College (Autonomous) on 10<sup>th</sup> - 11<sup>th</sup> March, 2014.
- Participated in UGC sponsored National Seminar on '**The Conservation of Natural Resources**' organized by the Department of Zoology, A.V.C. College (Autonomous) on 16<sup>th</sup> - 17<sup>th</sup> March, 2012.
- Participated in UGC sponsored National Seminar on '**Emerging Trends in Conservation Science**' organized by the Department of Zoology, A.V.C. College (Autonomous) on 22<sup>nd</sup> - 23<sup>rd</sup> March, 2011.
- Participated in UGC sponsored National level one day seminar on '**Recent trends in Biodiversity conservation**' organized by the Department of Zoology, A.V.C. College (Autonomous) on 7<sup>th</sup> March, 2009.
- Participated and Presented a paper in UGC sponsored National Seminar on '**Recent trends on the study of Aquatic and Terrestrial Bio-resources**' organized by the Department of Zoology, Annamalai University, Annamalai Nagar on 27<sup>th</sup> -28<sup>th</sup> Feb., 2003.

## 20. Workshops attended :

- Participated in UGC sponsored National workshop on '*Computational Biology and its application*' organized by the Department of Zoology, Government College for Women (Autonomous), Kumbakonam on 8th and 9th February, 2018.
- Participated in UGC sponsored National workshop on '*Recent trends in Bio-virtual Labs*' organized by the Department of Zoology, Government College for Women (Autonomous), Kumbakonam on 24th January, 2018.
- Participated in Two days State level workshop on '*Microtechniques*' organized by the Department of Zoology, Government College for Women (Autonomous), Kumbakonam on 9th and 10th March, 2017.
- Participated in UGC Sponsored Six days Workshop on '*Research Methodology and SPSS*' organized by PG and Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli from 20th to 25th October, 2016.
- Participated in workshop on '*Digital alternatives to animal dissections and experiments*' organized by Mahatma Gandhi-Doerenkemp Centre (MGDC), Bharathidasan University, Trichy on August 17, 2013.
- UGC sponsored Workshop on '*Lab to Land Techniques*' organized by the Department of Zoology, A.V.C. College (Autonomous) on 10<sup>th</sup> - 13<sup>th</sup> Jan., 2012.
- UGC sponsored Workshop on '*Setting Question Bank for Part - A questions*' organized by the Internal Quality Assurance Cell and the Office of the Controller of Examinations, A.V.C. College (Autonomous) on 26<sup>th</sup> - 27<sup>th</sup> Dec., 2011.
- UGC sponsored Workshop on '*Computer Applications in Research*' organized by the Research and Development Cell, A.V.C. College (Autonomous) on 14<sup>th</sup> & 16th Feb., 2011.
- UGC sponsored Workshop on '*Museum Techniques*' organized by the Department of Zoology, A.V.C. College (Autonomous) on 11<sup>th</sup> -12<sup>th</sup> Oct., 2007.
- UGC sponsored Workshop on '*Wildlife Photography*' organized by the Department of Zoology, A.V.C.College (Autonomous) on 24<sup>th</sup> -25<sup>th</sup> Feb., 2001.

## 21. Training programmes attended :

- Attended two days hands on training programme on '*Application of Molecular markers in fisheries and aquaculture*' organised by Rajiv Gandhi Centre for Aquaculture (MPEDA, Ministry of Commerce & Industry, Govt. of India), Sirkali, Tamil Nadu on 29<sup>th</sup> and 30<sup>th</sup> November, 2017.

- Attended training programme on '*Instrumentation and analytical techniques*' organised by Salim Ali Centre for Ornithology and Natural History, Anaikatty, Coimbatore, Tamil Nadu from 13.03.2017 to 17.03.2017.
- Participated in the '*Capacity Building of Women Managers in Higher Education*' organized by the Department for Socially and Economically Disadvantaged Youth (DSEDY), RGNIYD, Sriperumbudur, from 7<sup>th</sup> - 12<sup>th</sup> October, 2014.
- Attended a 5 days short term training programme on '*Eco-friendly and sustainable Shrimp/Prawn farming/Diversified Aquaculture*' organized by the Marine Products Export Development Authority, Regional Centre (Aq.), Nagapattinam from 25th February to 1st March, 2014.
- Training programme on '*Introduction to ArcGIS Desktop*' and '*ENVI 4.8*' organized by Internal Quality Assurance Cell, A.V.C College (Autonomous) on 10<sup>th</sup> - 12<sup>th</sup> Sept. 2012.
- Training programme on '*Presentable powerful presentation*' organized by A.V.C.College (Autonomous) on 21<sup>st</sup> Jan., 2009.

## 22. Invited Talk/Guest Lecture/ others (2006 onwards) :

- Gave a special coaching class for '*National Eligibility Test (NET)*' for the staff of A.V.C. College (Autonomous), Mannampandal on 13<sup>th</sup> December, 2018.
- Gave an invited talk on '*Know your problems and how to tackle it*' in Annai College of Arts and Science, Kumbakonam on 12<sup>th</sup> December, 2018.
- Acted as an evaluator in the Educational District level Science Project at Gurugnana Sambandar Matriculation Higher Secondary School on 10<sup>th</sup> October, 2018.
- Gave an invited talk on '*How to encounter sexual harassment : Law and Litigation*' in Kalaimahal College of Arts and Science, Sembanarkoil on 9<sup>th</sup> October, 2018.
- Acted as a moderator in the Debate competition for English Teachers organised in connection with Teachers Day Celebration at Dr. G.S.K. Matriculation and Higher Secondary School, Pazhaya Gudalur on 23<sup>rd</sup> August, 2017.
- Acted as an evaluator in the District level Academic committee for 24th National Children's Science Congress - 2016.
- Acted as chief guest and gave key note address on '*Toxicants in and around you*' in One day Seminar organized by the Department of Zoology, Adhiyaman College of Arts and Science, Uthangarai, Krishnagiri on 01.10.2015.
- Gave a special coaching class for '*National Eligibility Test (NET)*' for the PG students of Zoology, Poompuhar College (Autonomous), Melaiyur on 2<sup>nd</sup> April, 2012.



- Invited talk on '*Marine biodiversity- the unrecognized wealth*' in Marine Academy & Research Consortium (MARC), Centre of Advanced Study in Marine Biology, Faculty of Marine Sciences, Annamalai University on 14<sup>th</sup> October, 2011.

### 23. Programmes/ Extension Activities organised:

- Organized an invited talk on '**Health makes wealth**' by our alumnus Mrs. Deepa Shiram on Women's day, 8.3.14.
- Organized a debate as a part of Women's day celebrations on 4.3.14 in which Dr. M. Sivachandran, Rtd. Prof. of Tamil, Dharmapuram Adhinam Arts College, Dharmapuram acted as a moderator.
- Organized an awareness programme on '**Child against Sexual Abuse**' for school children in and around Mayiladuthurai on 07th and 08th Jan, 2014.
- Organising Secretary in the UGC sponsored Short term Course on '**Social Justice and Ensuring Equal Opportunity**' organized by the Equal Opportunity Centre and the Cell for Prevention of Sexual Harassment for Working Women from 5<sup>th</sup> – 9<sup>th</sup> March, 2012.
- Organising Secretary in the UGC sponsored Workshop on "**Women: towards empowerment**" organised by the Equal Opportunity Centre and the Cell for Prevention of Sexual Harassment for Working Women, A.V.C.College (Autonomous) on 23<sup>rd</sup> Jan., 2012.

### 24. Research Guidance (completed and registered):

- M.Phil. research work of **R. Mekala, Reg. No. M129701** on 'Study on the toxicity of copper on *Catla catla* and the effectiveness of *Eichhornia crassipes* in its control' on Feb, 2014.
- M.Phil. research work of **P. Suba, Reg. No. M139701** on 'Study on the density and diversity of avifauna in Kurichi and Sithamalli villages of Nagapattinam district' on Feb, 2015.
- M.Phil. research work of **K. Elanchezhian, Reg. No. M13P9404** on 'Abundance of Plankton population densities and diversity in relation to water quality parameters of selected aquaculture ponds in Ariyalur district, Tamil Nadu' on June, 2015.
- M.Phil. research work of **M. Kalaimani, Reg. No. M15P9405** on 'Behavioural and biochemical alterations induced by chronic exposure to organophosphorus pesticide, monocrotophos in *cyprinus carpio* (Linn. 1758)' on June, 2017.
- M.Phil. research work of **M. Sundararaju, Reg. No. M16P9405** on 'Impact of Phytosynthesised Gold nanoparticles (AuNPs) on haematological parameters and histology of selected tissues of freshwater fish, *Oreochromis mossambicus* (Peters, 1852)' on June, 2018.
- Ongoing M.Phil. Project : 1