

RESUME

Dr. M. Pushpalatha, M. Sc., M. Phil., Ph. D
No. 92, Singapore Nagar,
Udumalaipet - 642126

drmpl2014@gmail.com

9962557178

Career Objective

Seeking a responsible job in the field of my academic and research proficiency, where I can effectively utilize my educational and professional experience, and to establish the best way in every possible manner to the growth of my society and at most satisfaction of my higher authority.

Educational Qualification:

S.No	Class/ Degree passed	Subject	Name of the Board/ College/University	Percentage of mark & class	Register Number	Year Of Passing
1.	SSLC	General	Little Flower Convent, Ranipet	81.4 First class	440994	1998
2.	Higher Secondary	Mathematics & Biology	Little Flower Convent, Ranipet	61.3 First class	774975	2000
3.	B.Sc.	Zoology	Aringanar Anna Women's Govt Arts and Science college Walajapet, University of Madras	61 First Class	2k05184	2003
4.	M.Sc.	Zoology	Pachaiyappa's college, University of Madras	58.45 Second class	2241277	2006
5.	M.Phil.	Zoology	Pachaiyappa's college, University of Madras	65.3 First class	K800244	2008
6.	Ph.D	Zoology	Madras Christian College, University of Madras	NA	NA	2017

M.Phil., Dissertation: Study of histomorphology of Corpuscles of Stannius in different aquatic medium (Fresh water, Marine water & Brackish water) of Euryhaline bagrid *Mystus gulio* (Hamilton)

Ph.D., Thesis: Bioaccumulation of toxic heavy metals in the soft tissues of a few finfish species of Pulicat Lake, Tamil Nadu, India.

Teaching Experience: Working as Assistant Professor of Zoology in Pachaiyappa's College for Men, Kanchipuram from July 2015 till 30.11.2023.

Project Guidance for M.Sc.,

- ❖ Assessment of antioxidant, antimicrobial and anticancer activities of *Boerhaavia diffusa* leaf oil extract.
- ❖ Check list of migratory birds in Vedanthangal wetland bird sanctuary Chengalpattu Dt., Tamil Nadu.
- ❖ Antimicrobial activity of *Boerhaavia diffusa* leaf mediated zirconium nanoparticles.
- ❖ Synthesis, characterization of copper nanoparticles of *Haloduke pinifolia* and its cytotoxic activity
- ❖ Assessment of anticancer activities in green synthesized zirconium nanoparticles in *Haloduke pinifolia*.
- ❖ *In vitro* anthelmintic activity from synthesized zinc oxide nanoparticle of *sesuvium portulacastrum*.
- ❖ Insecticidal activity in extracts of *Entromorpha comperssa* against rice Weevill *Sitophilus oryzae* L.,
- ❖ Phytochemicals characterization in aqueous extract of *Gracilaria edulis* and *Gracilaria Verrucosa* and its antihelminthic activity
- ❖ GC-MS profile of red seaweed *G. verrucosa* and *in vitro* analysis for anthelmintic and its antibacterial activity.
- ❖ Screening crude extract of brown algae *Gracilaria edulis* with different solvent for its antibacterial and ichthyotoxic activity.
- ❖ Growth promoting effects of vermicompost and cow dung on *Amaranthus caudatus*.

- ❖ Antibacterial activity from haemolymph of freshwater crab of *Bartitelphusa cunicularis*.
- ❖ Screening of antibacterial activity of fresh water gastropods *Pila virens* (Lamarck, 1822).
- ❖ Phytochemical screening and antioxidant, antibacterial activities of *Ocimum basilicum* whole plant extracts.
- ❖ Impact of hydraulic detention on water quality in sevilimedu and aarpakkam lake, Kanchipuram, Dt., Tamil Nadu, India
- ❖ Studies on the distribution and abundance of plankton of Kalpakkam region, Southeast coast of India
- ❖ Assessment of physic-chemical parameters of Palar and Vegavathi river in Kanchipuram, Dt., Tamil Nadu, India
- ❖ Physico- chemical characteristics of Uthiramerur and Vaiyavoor Lake in Kanchipuram Dt., Tamil Nadu, India

Symposia & Workshop Attended:

- Participated Zoo Club Volunteer Program held at Arignar Anna Zoological Park, Vandaloor, Chennai - 600 048, during 2005-2006.
- Seminar on Recent trends in biological science held on 23rd September, 2009 Organized by the P.G & Research department of zoology, Pachaiyappa's college, Chennai-30.
- Workshop on Microscopy and photomicrography, Organized by P.G department of Microbiology D.G .Vaishnav College, Chennai-600 106, held on 27th September 2011.

- National Seminar on “Conservation of Biodiversity” Organized by Department of Zoology, Quaid- E- Millath Government College for Women (Autonomous) Anna salai, Chennai – 600 002 on 7th February 2012.
- National conference on Zoology for the future Education and Research, Organized by Department of Zoology, Queen Mary’s College (Autonomous) Chennai – 600 004 and Zoological Survey of India held on 23rd and 24th January 2014.
- National Level Research Scholars Workshop on e-resources and Data Analysis held on 9th to 14th February 2015 organized by P.G & Research department of Advanced zoology and Biotechnology, Loyola college, Chennai - 600 034.

PAPERS PUBLISHED

- Sathya Narayanan, P.C., Pusphalatha, M., Ramanathan,V., Raveen,R. Histomorphological studies on corpuscles of Stannius of bagrid cat fish *Mystus gulio*, In different period of time, in Pulicat lake estuary. National Symposium on Current trend in marine science and technology in the management held on 22nd to 24th January, 2008, at Madras Christian College, Chennai-59.
- Sathya Narayanan, P.C., Pusphalatha,M., Ramanathan,V., Raveen,R. The Histomorphological studies on interrenals and corpuscles of Stannius in relation to reproductive cycle of Bagrid cat fish *Mystus gulio*_(Hamilton). National seminar on recent advances in fish reproduction held on 28th and 29th October, 2009. Organized by department of zoology and Marine studies program, madras Christian college, Tambaram, Chennai-59.
- Sathya Narayanan,P.C., Pushpalatha,M., Ramanathan,V.,Raveen,R. 2010. Influence of ambient calcium level of Pulicat Lake on the corpuscles of Stannius of cat fish *Mystus gulio* (Hamilton). *The Ekologia*, (1-2) 9-14.

- P.C.Sathya Narayanan, R. Kalpana Devi, M. Pushpalatha, R. Raveen and S. Lingathurai. 2014. Bio-Efficacy of *Terminalia chebula* Retz. (Combretaceae) against *Culex quinquefasciatus* Say (Diptera: Culicidae) International Journal of Current Research in Biosciences and Plant Biology. (1-3) 41-49.
- Dhinamala K, 2 Shalini R, 3 Pushpalatha M, 4 Arivoli S, 5 Samuel T, *6 Raveen R. Bioaccumulation of nickel in gills and muscles of shellfish species from Pulicat Lake, Tamil Nadu, India. International Journal of Fisheries and Aquatic Research Volume 2; Issue 4; July 2017; Page No. 01-05.
- Dhinamala K, Pushpalatha M, Samuel T, Raveen R. 2015. Seasonal variation in the distribution of heavy metals in surface waters from Pulicat lake, Tamil Nadu, India. International Journal of Fisheries and Aquatic Studies 2015; 3(2): 260-263.
- Dhinamala K, Pushpalatha M, Samuel T, Raveen R. Seasonal variations of nutrients in Pulicat Lake, Tamil Nadu, India. International Journal of Fisheries and Aquatic Studies 2015; 3(2): 264-267.
- Dhinamala K, Shalini R, Deepa P, Pushpalatha M, Arivoli S, Samuel T and Raveen R. Bioaccumulation of lead in gills and muscles of shellfish species from Pulicat lake, Tamil Nadu, India. International Journal of Fisheries and Aquatic Studies 2017; 5(4): 463-469.
- Dhinamala K, Pushpalatha M, Meeran M, Arivoli S, Tennyson S, Raveen R. Bioaccumulation of cadmium in gills and muscles of shellfish from Pulicat lake, Tamil Nadu, India. Journal of Coastal Life Medicine 2017; 5(2): 47-50.
- Sarasa D, Sathya Narayanan P. C, Pushpalatha M, Jalajagandhi R, Vidhya M and Lingathurai S. 2019. Toxicity and synergistic study on *Azadriachta indica* A. juss. And *Meliaazed arach* L. on *Callosobruchus malculatus* farbicus. In Proceedings of International conference on Bio- Commerce.

- Sarasa D, Sathya Narayanan P. C, Pushpalatha M, Jalajagandhi R, Vidhya M and Lingathurai S. 2019. Biological activities on extracts from *Azadirachta indica* A. juss. And *Melia azadirachta* L. on *Spodoptera litura* Fab. (Lepidoptera: Noctuidae)
- Pushpalatha, M Ponvel, PCSathya Narayanan Phytochemical screening and antioxidant, antibacterial activities of *ocimum basilicum* L.. Journal of Cardiovascular Disease Research 12 (1), 269-281. (2021).
- Elumalai, M Hemavathi, GS Rekha, M Pushpalatha, R Leelavathy, Photochemical synthesizes of silver nanoparticles using *Oscillatoria sancta* micro algae against mosquito vectors *Aedes aegypti* and *Anopheles stephensi*... Sensing and Bio-Sensing Research 34, 100457 (2021).

Personal profile:

Age and Date of Birth : 40 years, 2nd Aug.1983.

Sex : Female

Marital status : Married

Husband Name : R. Dhanapal

Nationality & Religion : India & Hindu

REFERENCES

Dr. Poonguzali M.Sc., M.Phil., B. Ed., Ph.D.,

Associate Professor & Head, PG & Research Department of Zoology,
Arignar Anna Govt. Arts college for Women, Walajapet – 632 513.
Mob: 9443396078;

Dr. V. Bhavani Govindarajalu M.Sc., M.Phil., Ph.D.,

Associate Professor, Research Department of Zoology,
Queen Mary's college, Chennai - 600 030.
Mob: 9884272036

Declaration:

I hereby declare that the foregoing information is true to the best of my knowledge and belief. I have not held back any information that would materially change the text of the information documented here.

Place : Udumalaipet

Date :

(M. Pushpalatha)