

RESUME



1. Name : **Ms. P.Premalatha**
2. Father's Name : **Mr. R. Palanivel**
3. Date of Birth : **10/07/1988**
4. Sex : **Female**
5. Nationality and Religion : **Indian, Hindu**
6. Address for Communication : **D/O R. Palanivel,
2/102, Indira Nagar,
P.M. Palayam (Post), Rasipuram (Tk)
Namakkal District - 637 404.**
7. Languages Known : **Tamil, English**
- Email : Premalatha@nmc.ac.in
premamphilzoo@gmail.com
- Mobile No. : **9003929698**

8. Educational Qualifications:

Qualification	Year	University / Board	Percentage
Ph.D., Zoology	2015 - 2022	Nehru Memorial College (Autonomous), Puthanampatti, (Bharathidasan University), Tiruchirappalli.	Awarded
M. Phil., Zoology(PT)	2012 - 2015	Nehru Memorial College (Autonomous), Puthanampatti, (Bharathidasan University), Tiruchirappalli.	82 (Distinction)
M.Sc., Zoology	2010- 2012	Nehru Memorial College (Autonomous), Puthanampatti. (Bharathidasan University), Tiruchirappalli.	84 (Distinction)
B.Ed	2008-2009	Kasthooribha Gandhi College, Masakalipatty, Athanur	74 (First Class)
B.Sc., Zoology	2005 - 2008	Nehru Memorial College (Autonomous), Puthanampatti. (Bharathidasan University), Tiruchirappalli.	72 (First Class)
HSC	2005	State Board- Government Higher Secondary School, R. PuthuPalayam	60 (First Class)
SSLC	2003	State Board- Government High School, Pattanam.	70 (First Class)

9. Dissertation Submitted

M.Sc., Dissertation:

Studies on the impact of *Bougainvillea glabra* Doped Mgs Nanoparticle on Different Bacterial Strain.

M.Phil., Dissertation:

Low Cost Production of Spirulina (*Spirulina platensis*) through Treatment of Wastewater and Utilized the wastewater For Irrigation and Flushing Toilets.

Ph.D Thesis:

Population, Diversity, DNA Sequencing and Phylogenetic Analysis of Freshwater Mussels (Bivalvia: Unionidae) in Different Habitats.

10. Experience:

Sl.No	Name of the Institution	From	To	No. of Years
1.	Sri Ragavendra Matriculation Higher Secondary School, Veeraganur.	2013 (10.06.2013)	2015	2
2.	Sri Vidya Mandir Arts and Science College, Katteri, Uthangarai.	13.07.2022	Till date	-

11. Fellowship Awarded

1. JRF- SRF- UGC Rajiv Gandhi National Fellowship.

Best oral Presentation Award

- ✓ won 3rd prize for best paper presentation in “National Conference on “Computational analysis of molecular data in synergy with biological applications (CAMB - 2017)” entitled on “Molecular Docking on Catechin With oncogene Protein (5P21)” held on 3rd February 2017 at Bishop Heber College (Autonomous), Trichy.

12. List of Publication

1. **Premalatha, P.**, Saravanan Kaliyaperumal, Karuppannan Periyasamy and Santhi, M.P. 2018. Phylogenetic Analysis of Freshwater Mussel (Bivalvia: Unionoida). *International Journal of Scientific & Engineering Research.*, 9 (6): 78-81.
2. **Premalatha, P.**, Saravanan K and Karuppannan P. 2020. Freshwater Mussels (Bivalvia: Unionoida) as A Biological and Water Quality Indicator: A Review. *Eco. Env.* & *Cons.*, 26(2): 809-812. (Scopus/ web of Science)
3. **Premalatha, P.**, Saravanan, K and Karuppannan, P. 2021. Population and Diversity of Planktons in A Freshwater Pond, Ananthamangalam, Nagappattinam District,

- Tamilnadu, India. *Indian Journal of Natural Sciences.*, 12(67): 33656-33664. (Web of Science)
4. **Premalatha, P.**, Saravanan, K., Sivabakiyam, P and Karuppannan, P. 2022. Population, Diversity and Phylogenetic Analysis of Freshwater Mussels (Bivalvia: Unionidae) In Cauvery River, Srirangam, Tiruchirappalli, Tamil Nadu. *Indian Journal of Natural Sciences.* 13(72): 43404-43415. (Web of Science).
 5. **Premalatha, P.**, Saravanan, K., Karuppannan, P and Sivabakiyam, P. 2022. Low Cost Production Of Spirulina (*Spirulina Platensis*) Through Treatment of Wastewater. *Uttar Pradesh Journal of Zoology.* 43(23): 66-78. (Web of Science).
 6. **Premalatha,P.**, Saravanan, K and Karuppannan,P. 2024 . Assessment of Physico-Chemical Parameters in Household Wastewater after the Cultivation of Cyanobacteria (*Spirulina platensis*). *Journal of Water Chemistry and Technology*, 46(3): 309–317. (scopus).
 7. Saravanan, K., Karuppannan, P., Revathi, G., Elavarasi, S., **Premalatha, P.**, Egbuna, C and Chikwendu, C.J. 2022. Larvicidal and Pupicidal Activity of Unripened Fruit of *Coccinia grandis* (L) against Filarial Vector *Culex quinquefasciatus*. *IPS J Drug Discov Res Rev.*, 1(1): 1-3.
 8. Sreeshivani, M., Gayathri, R.P., Raja, S., **Premalatha, P.**, Saravanan, K., Vasanthakumar, D., Satheeshkumar, G., Nithya, P., Jayaprakash, S and Karuppannan, P. 2024. Larvicidal and pupicidal properties of *Coccinia grandis* gourd fruits against malaria transmitting vector *Anopheles stephensi* and dengue transmitting vector *Aedes aegypti*. *International Journal of Mosquito Research.* 11(1): 168-174.
 9. Raja, S., Kavya, T., Gayathri, R.P., **Premalatha, P.**, Vasanthakumar, D., Satheeshkumar,S., Jayaprakash, S and Karuppannan, P.2024. Assessment of larvicidal and pupicidal activity of *Manihot esculenta* (Cassava) on dengue transmitting vector *Aedes aegypti*. *IJMR.*, 11(2): 72-80. (scopus).

13. Book Chapters Published

1. Sarvanan, K., B. Umarani., V. Balan., **P. Premalatha** and Bir Bahadur. Functional lead Phytochemicals from the Rutaceae and Zingiberaceae plants for Development of Anticancer Drugs. **Drug Development for Cancer and Diabetes A path to 2030**. ISBN No.978-1-77188-860-8. Pp-177-189.
2. Karuppannan, P, Saravanan, K and **Premalatha, P.** 2020. Antidiabetic Activity of *Ventilago maderaspatana* leaf Extracts on STZ Induced Diabetic Rats. **Drug**

Development for Cancer and Diabetes A path to 2030. ISBN No.978-1-77188-860-8. Apple Academic Press, pp- 283-292.

3. Saravanan. K., Karuppannan, P., Umarani, B., **Premalatha, P** and Chukwuebuka Egbuna. 2020. Antiviral phytocompounds for drug development: A data Mining Studies. **Phytochemicals as Lead Compounds for New Drug Discovery.** ISBN NO: 9780128178904. Elsevier Publication. Pp-239-244.
4. Saravanan, K, Karuppannan, P, Umarani, B and **Premalatha, P.** 2020. Antiviral phytocompounds for drug development: A data mining studies. **Phytochemicals as Lead Compounds for New Drug Discovery- Vol – 1.** Elsevier, USA.

14. Sequence Publications

S. No	Organism	Accession Number
1	<i>Lamelliden smarginalis</i>	MW931864
2	<i>Parreysia favidens</i>	MW931865
3	<i>Parreysia corrugata</i>	MW931868
4	<i>Lamellidens brandti</i>	MW931869
5	<i>Radiatulac aerulea</i>	MW931870

15. Papers presented in Seminars and Symposium:

1. **Premalatha, P** and Saravanan, K. 2016. Low cost production of Spirulina (*Spirulina platensis*) through treatment of black wastewater. International Conference on Translational Medicine and Imaging held on 4th March to 5th March 2016 at Rajiv Gandhi Centre for Biotechnology and Mar Ephraem College of Engineering and Technology, Tiruvananthapuram.
2. **Premalatha, P** and Saravanan, K. 2016. Low cost production of Spirulina (*Spirulina plantensis*) through treatment of Grey wastewater in an “International conference on Conservation of Natural Resources” and Inauguration of 100th chapter of OISCA- International, South India at Trichy” on 17th September 2016 at Nehru Memorial College (Autonomous), Puthanampatti.
3. **Premalatha, P** and Saravanan, K. 2017. won 3rd prize for best oral presentation topic “Molecular Docking on Catechin With oncogene Protein (5P21)” in “National Conference on “Computational analysis of molecular data in synergy with biological applications (CAMB - 2017)” on 3rd February 2017 at Bishop Heber College (Autonomous), Trichy.

4. **Premalatha, P** and Saravanan, K. A Study on Zero- Cost- Effective Method of Wastewater Management and The Resultant Production of High Quality Spirulina Bio- Mass. International Conference on “Current Challenges in Conservation of Biodiversity (In4CB-2017)” held on 16th to 18th February 2017 at A.V.C College, Mannampandal, Mayiladuthurai.
5. **Premalatha, P** and Saravanan, K. Molecular Docking of Quercetin from *Helianthus annuus* with Human Estrogen Receptor (PDB ID: 2IOK). International Conference on Translational Medicine and Imaging (ICTMI-2017)” held on 29 and 30th August 2017 at VIT University, Vellore.
6. **Premalatha, P** and Saravanan, K. ., Karuppannan, P and santhi, M.P.2018. Phylogenetic Analysis of Freshwater Mussel (*Bivalvia: Unionoida*). International Conference Molecular Advances in Biomedical Research, Nehru Memorial College, Puthanampatti held on 9th to 10th February 2018.

16. Workshops /Attended:

1. Attended Two-Days Workshop on “Career Guidance and Counselling” on 23.10.2010 to 24.10.2010 held at Nehru memorial College, Puthanampatti.
2. Attended a National Workshop on “Handling of Reconstructed 3D Tissue Models” held on 19th and 20th November 2015 at Bharathidasan University Tiruchirappalli.
3. Attended a “11th National Workshop on DNA Barcoding Hands on Practice for Beginners” on 30th March to 31st April 2016 at Government Arts College Udthagamandalam.
4. Attended a National Workshop cum Hands on Training on “DNA Barcoding- Molecular Analysis and Bioinformatics Approaches” held on 7th to 10th September 2016 at Islamiah College (Autonomous), Vaniyambadi.
5. Attended a 3 Days Workshop on “Bioinformatics and Basics Leading To Structure Based Drug Design” held on 5th to 7th January 2017 at Islamiah College (Autonomous), Vaniyambadi.
6. Attended a National Workshop on “Wastewater Treatment and Rain Water Harvesting” held on 22nd to 24th August 2017 at Nehru Memorial College (Autonomous) Puthanampatti.
7. Attended a National Level Skill Enhancement Workshop on “DNA to Phylogeny” held on Karunya Institute of Technology and Sciences, Coimbatore on 8th to 10th January 2018.

8. Attended Two -Day Workshop on “Identification of Marine and Freshwater Zooplankton” held on 21st and 22nd January 2019 at National College, Tiruchirappalli.
9. Attended Two Days International Workshop on “Biomedical Applications in Translational Research (BATR-2019)” held on 6th and 7th June 2019 at Alagappa University Karikudi.
10. Attended a One Day State Level Training Cum Workshop on “Morphological Characterization & Livefeed Importance of Zooplankton (SLTW-LFZP 2023)” held on Sri Vidya Mandir Arts and Sciences College, Uthangarai on 28th March 2023.
11. Attended a One Day Training programme on “Terrace Garden & Kitchen Garden” held on Sri Vidya Mandir Arts and Science College, Katteri on 5th October 2023.

17. Seminar /Conference/ Symposium Attended

1. Attended a State level Seminar on “Recent Trends in Biosciences” on 24.8.2011 held at Shrimathi Indira Gandhi College, Tiruchirappalli.
2. Attended a National Seminar on “Recent Trends in Biological Sciences (NSRTBS-13)” held on 7.3.2013 to 8.3.2013 at Nehru Memorial College (Autonomous), Puthanampatti.
3. Attended a National Symposium Cum Workshop on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design” held on 16 to 19th February 2016 at Alagappa University Karaikudi.
4. Attended a ICMR sponsored National Seminar on Emerging Trends in Control of Vectors and vector Borne Diseases” held on 29th to 30th September 2016 at Nehru Memorial College (Autonomous), Puthanampatti.
5. National level Seminar on “Environmental Issues and Solutions” at Morappur Kongu College of Arts and Science, Morappur on 23 January 2024.
6. Attended a 2nd National Level Seminar on “Stem cell Research: the Roadmap for next generation” held on Morappur Kongu College of Arts and Sciences, Morappur on 22nd January 2025.

18. International Conferences Attended

1. Attended International Conference on “Translational Medicine and Imaging (ICTMI-2016)” on 4 & 5th March 2016 at Rajiv Gandhi Centre for

biotechnology, Thiruvananthapuram and Mar Ephraem College of Engineering and technology, Marthandam.

2. Attended International Conference on “Conservation of Natural Resources and Inaguration of 100th Chapter of OISCA- International, South India at Trichy” on 17th September 2016 at Nehru Memorial College (Autonomous) Puthanampatti.
3. Attended a Pre-Conference workshop on “Introduction to Molecular Imaging- An Educational Session in Pre-Clinical Imaging Modalities” held on 28th August 2017 at VIT University, Vellore.
4. Attended India International Science Festival-2017. SYPOG –Young Scientists Conclave held on 13th and 14th October 2017 Anna University- IIT Madras.
5. Attended an International Conference “Innovations and challenges in Biomedical Sciences Research” held on 12th to 14th December 2017 at Holy Cross College (Autonomous), Tiruchirappalli.
6. Attended National Conference on “Technologies and Prospects of Fisheries and Aquaculture (NCTPFA-2018)” on Bharathidasan University Tiruchirappalli on 19th March 2018.
7. Attended a “International Conference on Innovative Approaches in Biomedical Sciences (ICIABS’ 19)” held on 25th January 2019 at Holy Cross College Tiruchirappalli.

19. Webinar

1. Webinar on “Covid -19: Disinfection and Post pandemic Human Health Challenges” held on 8.6.2020 organized by Nehru Memorial College (Autonomous), Puthanampatti.
2. Webinar on “Beyond Celebrations towards Secure Environments” held on 11.6.2020 organized by Nehru Memorial College (Autonomous), Puthanampatti.
3. Online Quiz on “Immune Boosters” held on 11.6.2020 to 15.6.2020 organized by The American College, Madurai.
4. National Webinar on “Covid-19 Pandemic and Immunity” held on 17.6.2020 organized by Seethalakshmi Ramaswami College, Tiruchirappalli.
5. National Webinar on “Nutraceuticals and Medicinal Herbs & Immunity” organized by St. Joseph’s College for Women (Autonomous), Visakhapatnam on 20.6.2020.
6. National level webinar on “COVID-19 Outbreak: Silver Linings in the Midst of Stormy Clouds” held on 22.6.2020 organized by ST. Xavier’s College (Autonomous), palayamkottai.

7. International Webinar on “Life Sciences” organized by Government Arts College (Autonomous), Karur held on 22.6.2020 to 24.6.2020.
8. Community Awareness Program on “Women’s Health Issues” held on 23.6.2020 organized by Nehru memorial College (Autonomous), Puthanampatti and Karpom Karpipom (KK), Madurai.
9. Webinar On “Yoga:Your Beacon of Inner Peace” held on 24.6.2020 orgainzed by Sri Malolan College of Arts and Science, Madurantakam, Chengalpet.
10. Three Days National Level webinar on “Challenges and opportunities in Higher Education under the Present Scenario” held on 25.6.2020 to 27.6.2020 organized by G.Venkataswamy Naidu College, Kovilpatti.
11. International Webinar on “Recent Advances in Modern Medicine” held on 27.6.2020 organized by Seethalakshmi Ramaswami College, Tiruchirappalli.
12. Online Quiz Programme on “General Physiology” held on 29.6.2020 organized by Seethalakshmi Ramaswami College, Tiruchirappalli.
13. Online Quiz on “Open Education Resources” organized by Rabindranath Tagore University, Bhopal, MP, held on 23.6.2020 to 30.6.2020.
14. International E- Conference on “Recent Trends in Drug Discovery, Diagnostics and Therapeutics A special Emphasis on COVID-19” held on 2.7.2020 to 4.7.2020 organized by Vignan’s foundation for Science, Technology & Research in Associated with Kansas State University, LLB School, AP Akademi of Science and Al-Quds University.
15. National Level Webinar on “Introduction to Big Data and it’s Ecosystems” organized by Government Arts and Science College, Gudalur held on 5.7.2020.
16. Online Quiz for “Current Affairs -2020” organized by As-Salam College of Engineering and Technology, Thirumangalakudi held on 7.7.2020.
17. One day “Hands on Training on Microtechniques” organized by Jamal Mohamed College (Autonomous), Tiruchirappalli, held on 8.7.2020.
18. One day “Hands on Training on Electrophoresis” organized by Jamal Mohamed College (Autonomous), Tiruchirappalli, held on 9.7.2020.
19. Ten Days Faculty Development Program on “Hands on Writing and Publishing Research Paper for Reputed Journals” organized by Silicon City College of Management and Commerce, Bangaluru, held to 5.4.2021 to 14.4.2021.
20. National Level Webinar on “Miraculous Heral Plants against Microorganisms” organized by K.R. College of Arts and Science held on 12.8.2021.

20. Laboratory skills

- ✓ Quantitative and Qualitative biochemical analysis
- ✓ Centrifugation techniques
- ✓ Chromatography techniques
- ✓ Electrophoresis techniques
- ✓ Spectroscopic analysis
- ✓ Cell culture techniques
- ✓ Biochemical estimation techniques

21. Computer Skills

- ✓ Chew draw, Ms office, Statistical tools –SPSS.

22. Diploma Course

- ✓ Tally 7.2 at Nehru Memorial College Puthanampatti on November 2006 to January 2007.
- ✓ Biofertilizer and Vermiculture Nehru Memorial College Puthanampatti on April 2006 to April 2008 86.1% Distinction.
- ✓ Junior Grade Type writing English August 2017 First Class with Distinction.

23. Extracurricular Activities

- ✓ Basic scout Master's Training Course at Kasthooribha Gandhi College of Education, Athanur on 25.12.2008 to 3.1.2009.
- ✓ Participated in "Kabaddi: Kasthooribha Gandhi College of Education, Athanur. 2008-2009.

Declaration

I hereby declare that all the information furnished above is true to the best of my knowledge.

Place: P. M. Palayam

Signature

Date: 15.4.2025



P. PREMALATHA