

## STAFF PROFILE

- 1) Name : Dr Pawlin Vasanthi Joseph
- 2) Designation : Associate Professor and Head and IQAC Co-ordinator
- 3) Department : Zoology
- 4) Qualification : M.Sc, M.Phil, M.Ed. Ph.D.
- 5) Experience : Teaching : 28 years                      Research : 7years
- 6) Area of Specialization (s): Environmental Biotechnology and Endocrinology
- 7) E-mail : [pawl\\_06@rediffmail.com](mailto:pawl_06@rediffmail.com); [pawlinvasanthi@gmail.com](mailto:pawlinvasanthi@gmail.com)
- 8) Academic Qualifications : M.Sc, M.Phil, M.Ed. Ph.D.
- 9) Additional Qualifications :

<b>Diploma/ Vocational/ Certification</b>	<b>Area of Specialization</b>	<b>Institution/ University/ Agency Name</b>	<b>Year</b>
SLET	Zoology	Madras University	1990

### 10) Grants Received

<b>Event Title</b>	<b>Agency</b>	<b>Amount</b>	<b>Date</b>
National Seminar on “Current advances in Applied Genetics and Bioethics”	DST-SERB SR/SS/95/09-10	<b>Rs 75,000/-</b>	18/09/2009
National Seminar on “Trends in Environmental Resources Management”	UGC F– SEM– 2135/13 -14	<b>Rs 1,15,000/-</b>	7/8/2014 to 8/8/2014
Innovative Programme in Vermitechnology	UGC	<b>Rs 23,000/-</b>	2012 August
Career Oriented Programme in Vermitechnology	UGC F .NO: 4- 157/2013/COC 2013 – Till Date	<b>Rs 10,00,000/-</b>	2013 to 2018 The Program continues in the dept till date
Science Academies Lecture Workshop on Integrated Research	Science Academy Education Program SEP/LW/August –	<b>Rs 1,26,555/-</b>	7 <sup>th</sup> August 2015

Approaches in Biology	1/2015-2016		
DBT Star College Scheme – Phase I	DBT, Government of India	<b>Rs 1,26,67,979/-</b>	2012 to till date
DBT Star College Scheme – Phase II	DBT, Government of India	<b>Rs 41,13,449/-</b>	2017 to till date
Popular Lecture series	DBT - CTEP, Government of India	<b>Rs 1,55,000/-</b>	February 2020
PARAMARSH Scheme-Mentoring of non-accredited institutions	UGC	<b>Rs 15,00,000/-</b>	September 2019
National Seminar on Quality sustenance and Enhancement: Prospects for attaining Global Standards	NAAC	<b>Rs 1,00,000/-</b>	January 2020

## 11) Projects

### Completed

<b>Project Title</b>	<b>Agency</b>	<b>Amount</b>	<b>Duration</b>
Innovative Programme in Vermitechnology	UGC	<b>Rs 23,000/-</b>	2012 August
Career Oriented Programme in Vermitechnology	UGC F .NO: 4- 157/2013/COC 2013 – Till Date	<b>Rs 10,00,000/-</b>	2013 to 2018 The Programme continues in the dept

### Ongoing

<b>Project Title</b>	<b>Agency</b>	<b>Amount</b>	<b>Duration</b>
DBT Star College Scheme – Phase I	DBT, Government of India	<b>Rs 1,26,67,979/-</b>	2012 to till date
DBT Star College Scheme – Phase II	DBT, Government of India	<b>Rs 41,13,449/-</b>	2017 to till date
PARAMARSH Scheme-Mentoring of non-accredited institutions	UGC	<b>Rs 15,00,000/-</b>	Sep 2019 to Sep 2020

## 12) Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	1	5
M. Phil.	7	-

## 13) Research Publications

### International

1. PV Joseph and Balasubramanian S (2014) Preparation of Acute Gastroenteritis Distribution maps and estimation of population at risk in Coimbatore district of Tamil Nadu, India. *International Research Journal of Environment Sciences* 3(3): 43 – 48 ISSN 2319 – 1414 (IF – 0.4)
2. PV Joseph. Prashanthi Devi M, Balasubramanian S (2014) Estimation of Environmental and Geographical determinants of Acute Gastroenteritis using Geographically weighted Regression Analysis. *International Journal of Science and Research*. 3(10): 2339 – 2343.ISSN 2319 -7064. (IF 3.5)
3. PV Joseph (2014) Effect of tobacco leaf paste on the Histoarchitecture of the Reproductive system of the male Albino mice. *International Journal of Scientific Research* 3 (12): 402 – 405. ISSN 2277 – 8179.
4. PV Joseph, Rajathi A (2015) Effect of insulin on the blood and liver cholesterol of *Anabas scandens* (Bloch). *International Journal of Science and Research*. 4 91 0: 1798 – 1800. ISSN 2319 – 7064. ( IF 4.4, ICV-6.14)
5. PV Joseph, Prashanthi Devi. M, Balasubramanian S(2015). Probability Mapping to determine the spatial risk patterns of Acute Gastroenteritis in Coimbatore District, India, using GIS. *Indian Journal of Community Medicine*. 40(3): 188 – 192 [PubMed] Med Know Journals. ISSN 0970 – 0218
6. Nithya R and PV Joseph (Oct 2016) Study of Haematological changes and accumulation of Cadmium chloride in the Vital Organs of the Freshwater Fish *Labeo rohita*. *International Journal of Advanced Science and Research*. 1(10): 30 – 34. ISSN 2455 – 4224, IF 5.12

7. PV Joseph and Nithya R (2016) Organo Toxicity of Cadmium chloride on the freshwater fish *Labeo rohita*. *European Journal of Pharmaceutical and Medical Research*. 3(11): 435 – 439. ISSN 2394 – 3211. (SJIF – 3.16)
8. Amita Paul and PV Joseph (2017). Study of Biological Parameters of paper waste degraded through vermicomposting in an institutional set up. *European Journal of Pharmaceutical and Medical Research*, 4 (6): 593 – 602. IF 4.16
9. Amita Paul and PV Joseph (2017). Study of cellulose activity in *Eisenia foetida* used in the degradation of paper waste. *International Journal of Sciences and Applied Research*. 4 (5): 57 – 65.
10. Sherine Laura, Rashmi PT and PV Joseph (2017) Hepatotoxicity of the food additive Potassium bromate on the freshwater fish *Labeo rohita*. . *European Journal of Pharmaceutical and Medical Research*, 4 (4): 559 – 568.
11. Rashmi PT, Sherine Laura and PV Joseph (2017) Renal toxicity of the food additive Potassium bromate on the freshwater fish *Labeo rohita*. . *European Journal of Pharmaceutical and Medical Research*, 4 (5): 356 – 364. (ISSN2394 – 3211) IF 4.16
12. Nimmy M V and PV Joseph, (2018) Effect of Lead nitrate on the histopathology of the gill, Liver and Kidney of the Freshwater fish *Cirrhinus mirgala*. . *European Journal of Pharmaceutical and Medical Research*, 5 (2): 416 - 420. (ISSN2394 – 3211) IF 4.16.
13. Sumathi S and PV Joseph, (2018) Analysis of functional groups in the Vermicompost of fruit waste using *Eudrilus eugeniae*. *European Journal of Pharmaceutical and Medical Research*, 5 (2): 421 -427.
14. Nimmy M V and PV Joseph, (2018) Impact of Lead nitrate on the Haematological, Biochemical and immunological response of the Freshwater Fish *Cirrhinus mrigala*. *International Journal of Science and Research Methodology* 8 (3): 380 – 400. (ISSN 2454 – 2008). Indexed – UGC Approved Journal, Niscair, J-Gate International Scientific indexing, Academic Resource. IF 3.9
15. Amita Paul and PV Joseph, (2017) Nutrient analysis of paper waste degenerated through the process of Vermicomposting in an institutional set up. *Ecology, Environment and Conservation*, 23 (4): 2240 – 2246. ISSN 0971 765X Indexed in

Thomson Reuters USA, Scopus, Chemical Abstracts USA, Elsevier Compendium NAAS rating 4.89, H-index – 10.

16. Sumathi S and PV Joseph (2018) Microbiological and Physico – Chemical analysis of vermicompost of fruit waste by *Eudrilus eugeniae*. Feb 2018, *International Journal of Science and Research Methodology*, 8 (4): 77 – 93..
17. Greshma. G, Selvalakshmi M and PV Joseph (2018) Ecofriendly Treatment of Biomedical waste using *Eudrilus eugeniae* . (Mar 2018, *European Journal of Pharmaceutical and Medical Research*, 5 (4): 479 -487.. (SJIF Imp Fact 4.89)
18. Greshma. G, Selvalakshmi M and PV Joseph. (2018) Ecofriendly Treatment of Biomedical waste using *Perionyx excavates*. (Mar 2018. *International Journal of Science and Research Methodology*, 9 (1): 260 – 279.
19. Dhanalakshmi E and PV Joseph (2019) Study of the enzyme and histopathological effects of Chromium III chloride in the freshwater fish *Cirrhinus mrigala*. *European Journal of Pharmaceutical and Medical Research* (2019), 6(1): 485 – 492. (IF 4.89)
20. Rosmin MT, Meera Gopi and PV Joseph (2019) Ameliorative impact of Cinnamon (*Cinnamomum verum* I J. Presl) on the blood glucose, Lipid profile and Marker enzymes in *Cirrhinus mrigala*. *European Journal of Pharmaceutical and Medical Research*, 6(1): 307 – 313. ISSN 2394 - 3211(IF 4.89)
21. Meera Gopi, Rosmin MT and PV Joseph (2019) Potential Effects of fenugreek (*Trigonella foenum-graecum* L.) on the blood glucose, Lipid profile and Marker enzymes in *Cirrhinus mrigala*. *World Journal of Pharmaceutical and Medical Research.*, 5 (4): 131 – 137. ISSN 2455 – 3301. IF 4.63
22. Deepthi Kurian and PV Joseph (2019) Vermicomposting of remediated *Eichhornia crassipes* as an alternative management of biodegradable waste and water pollution. *American International Journal of Research in Formal, Applied and Natural Sciences.* 25 (1) – 59 -62. ISSN – 2328 – 3777.
23. Deepthi Kurian and PV Joseph (2019) A Comparative analysis on the gut microflora of Earthworm *Eudrilus eugeniae* and *Glossocolex paulistus*- *Journal of Emerging Technologies and Innovative Research* – 2019, 6(6)-533-536. ISSN - 2349 – 5162. IF 5.8

24. Abisha T. J., Sruthy S., P V Joseph (2020) Therapeutic effects of honey produced by *Apis cerana indica*, reared in the college campus, Coimbatore, Tamilnadu, *European Journal of Pharmaceutical and Medical Research* (2020),7(5), 437-445
25. SK Swetha and P V Joseph, Antimicrobial and Haemolytic activity of the mucus of fresh water fishes *Anguilla bengalensis* and *Pangasius sutchi*, *Journal of Advanced Scientific Research*, 11(4): 146-149, 2020
26. SK Swetha and P V Joseph, Immunomodulatory activity and FT-IR studies on the Mucus of freshwater fishes *Anguilla bengalensis* and *Pangasianodon hypophthalmus* (*Pangasius sutchi*), *NOVYI MIR Research Journal*, 6(3):101-114, 2021
27. Anjali P, Jeevakarunya V and PawlinVasanthi Joseph, Repellant and toxicological impact of aqueous extracts of leaves of plants *Strychnosnux-vomica* and *Justicia adhatoda* against *Sitophilus oryzae*, *International Journal of Multidisciplinary Educational Research*, 10(4(5)):38-45, 2021
28. Jeevakarunya V, Anjali P and PawlinVasanthi Joseph, Repellant and Toxicological impact of aqueous extracts of leaves of *Aeglemarmelos* and *Solanum torvum* plants against *Tribolium castaneum*, *International Journal for Research in Applied Scienceand Engineering Technology*, 9(4):837-845, 2021

## **National**

1. PV Joseph (2011) Effect of tobacco leaf paste on the chemical pathology of the serum, Liver, Testes and Seminal Vesicles of male albino mice.1 (3 ) : 29 – 37 *Vijaya Prabha. Journal of Sciences* ISSN 2231 – 3214.
2. PV Joseph, Brindha B, Varna Joshua, Prashanthi Devi M, Balasubramanian S (2014) Analysis of spatio- temporal disease pattern using Spatial Autocorrelation methods: case of Acute Gastroenteritis in Coimbatore District, Tamil Nadu, India. *Indian Journal of Public Health Research and Development*. 5(3): 307-312. (IF 1.8)
3. PV Joseph, Balasubramanian S, (2014), Descriptive Statistics of Water Quality Variables in Coimbatore District of Tamil Nadu. *Scientia* 10 (1): 101 – 113. ISSN 0976 – 8289.

#### 14) Other Publications (Proceedings)

1. PV Joseph and Balasubramanian S (2014) Summary Statistics and Preparation of a database of Environmental variables and Acute Gastroenteritis incidences in Coimbatore district. UGC National Seminar on “Trends in Environmental Resource Management” ISBN 978 -93, 5174-565 – 5.
2. PV Joseph (2015) Endangered Vultures: The Indian Scenario. UGC National Seminar on “Environmental Awareness and Modern Literature”. ISBN 978 – 93 – 81006 -96 – 2.
3. PV Joseph and Nithya R (2016) Toxicity of Cadmium chloride and its effect on the respiratory rate of *Labeo rohita*. Nirmala Annual Research Congress – 2016,
4. PV Joseph (2016) Vaccination in post independence India. ICHR National Seminar on Environmental History.
5. Amita Paul and PV Joseph, NPK Ratio of Paper waste degradation through Vermicomposting in an Institutional set up – Proceedings of the National Seminar on Eco Waste Management and Nanobiology. – ISSN 978 – 93 -86176 -36 – 3.
6. PV Joseph and Deepthi Kurian, Phytoremediation of dye industrial effluent by water Hyacinth (*Eichornia crassipes*) (2017), Nirmala Annual Research Congress – ISBN: 978 – 93 – 5279 – 759 -2.
- 8 PV Joseph *et al.*, (2017) Study of the Ukkadam lake, Coimbatore, Jul to Sep: Physico - Chemical and Plankton analysis — NARC – ISBN: 978 – 93 – 5279 – 759 -2.
- 9 Dhanalakshmi E and PV Joseph (2018) Study of Biochemical Parameters of the Freshwater fish *Cirrhinus mrigala* treated with Chromium III chloride. – National Seminar on Advances in Biological Sciences Research, pp 107 – 115, ISBN – 978 -935 321 – 2568.
- 10 PV Joseph *et al.*, (2018) Study of the ant diversity in the college Campus. Nirmala Annual Research Congress, 2018, pp 272 -280 – ISBN 978 -935 321 8591
- 11 Pouline B and PV Joseph (2019) The Effect of dietary supplementation of Herbal plants on growth of *Oreochromis mossambicus*”, National conference on Exploring Bionanoscience in Pharma, Agri, Food Science and Industrial microbiology – Proceedings.
- 12 PV Joseph *et al.*, (2019) Assessment of Haemoglobin status in a small section of students, Coimbatore. NARC – 2019, ISBN No. 978 – 93 – 5391 – 196 – 6; Pg no

– 279 – 284.

- 13 Pouline B and PV Joseph (2019) Dietary Supplementation of *Andeographis paniculata* and *Gymnema sylvestre* on the growth of *Oreochromis mossambicus* NARC- 2019, , pp no 285 – 290, ISBN No: 978 – 93 – 5391 -196 -6.
- 14 PV Joseph *et al.*, (2020) Innovative Pedagogy : The cross Over Learning,pp no: 11 – 17, Proceedings of the NAAC Sponsored National Seminar on Quality Sustenance and enhancement: Prospects for attaining Global Standards” Jan 2020, ISBN NO: 978 – 93 – 5391 – 892 – 7.

### 15) Book Publications

1. PV Joseph. Stabilization of Market Vegetable waste through the process of vermicomposting by *Eisenia foetida* (2017) **Springer international** ISBN 978 – 3 319 – 118439 – 6.
2. PV Joseph. Chapter - Efficacy of different substrates on Vermicompost production – a Biochemical analysis. (2019) –Doc – <http://dx.doi.org/5772/intediopen.86187>. **Indexed in Web of Science.** – Book Citation index.
3. Nirmala Annual Research Congress, Compendium of the IQAC for presentation of Research articles from 2016 to 2019 (4 Books)
4. Laboratory Manual for under graduate students in Zoology (DBT funding)

### 16) Consultancy

Nature of Consultancy	Client	Amount	Completion Status
Vermitechnology	Public, Farmers, Self help groups, Colleges and Schools	2015-16 – Rs 9464/- 2016-17 – Rs 10256/- 2017-18 – Rs 7150/- 2018-19 – Rs 3610 2019-20 – Rs 13000/- 2020-21 – Rs 8630/-	In progress

### 17) Presentations in Conference

International - 2

National - 14

### 18) Participation in Conference- International – 02

National - 09

19) **Participation in Seminar - 19**

20) **Participation in Workshop - 27**

21) **Participation in Orientation Programme/ Induction Programme/ Short term Courses**

1. UGC sponsored Orientation Course for Faculty, Academic Staff College, Bharathiar University, Coimbatore, 03.10.2001 to 26.11.2001
2. UGC sponsored Refresher course in Biotechnology (Interdisciplinary), Academic Staff College, Bharathiar University, Coimbatore, 02.01.2004 to 29.01.2004
3. UGC sponsored Refresher course in Microbial Biotechnology (Interdisciplinary), Academic Staff College, Bharathiar University, Coimbatore, 08.03.2005 to 28.03.2005
4. UGC sponsored Refresher course in Biological Sciences (Interdisciplinary), Academic Staff College, Bharathiar University, Coimbatore, 10.11.2006 to 30.11.2006
5. GIS techniques for Environmental Governance, DRDO- Centre for Life Sciences, Bharathiar university. AICTE funded, April 21<sup>st</sup> to May 4<sup>th</sup>.

22) **Participation in Faculty Development Programme - 15**

23) **Conference/ Seminar/ Workshop Organized**

- Workshops: 27
- Symposia: 03
- International symposia: 02
- Lecture workshop: 02
- Science Academies: 02
- Seminars: 08
- Training Programs: 08
- Popular lecture series 01

24) **Invited Speaker/ Session Chair – Conference/ Seminar/ Workshop**

1. Chief Guest for the Teacher's Day celebration, 14.11.2014, Carmel Garden Matriculation and Higher Secondary School, Coimbatore
2. Invited Speaker, Annual Congress and Medicare Expo on Primary Healthcare, International conference, Dubai, UAE, 25<sup>th</sup> to 27<sup>th</sup> April, 2016, organized by Omics Group Conference, USA
3. Guest lecture on "Artificial Red Blood cell", 27.09.2016, Avinashilingam Institute for Home Science and Higher Education for women, Coimbatore
4. Resource Person for the Orientation Programme on "Preparing the Institution for the National Accreditation and Assessment", 26.11.2018, St. Joseph's College for Women, Tirupur.
5. Resource Person, Webinar on "Revised Guidelines of NAAC for affiliated colleges", TSA College of Arts, science and Tamil, Perur, Coimbatore on 10.10.2020
6. Resource person for webinar on "Insights into the Star College Scheme" at Sri

Ramakrishna college, Coimbatore, 20.03.2021

7. Resource person for webinar on “Scope of Medical Laboratory Technology” at Michael Job college, Coimbatore, 28.10.2021

## 25) Member in Board of Study

1. Subject Expert and University Nominee for the BOS, UG and PG Board, PSGR Krishnammal College, Coimbatore from 2015 to till date
2. Member – BOS in M.Phil Zoology, Bharathiar University (2018)
3. Subject Expert for Academic audit in Avinashilingam University, UG, PG and M.Phil (2016)
4. Subject Expert – External Audit of Syllabus – Holy Cross College, Tiruchirapalli (2019)
5. Subject Expert – External Audit of Syllabus – Sri Saradha College, Salem (2018)
6. Member, BOS in UG Zoology, Bharathiar University (2020- 22)
7. Chairman for Central valuation and Result Passing Board, UG Board of Zoology, Bharathiar University, 2016 to till date

## 26) Editorial/ Review Board Member

1. Reviewer – Merit Research Journal of Agricultural Science and Soil Science – ISSN: 2350 – 2274, Egypt.
2. Borneo Science Journal, Universiti Malaysia Sabah, Malaysia
3. External Member, IQAC Advisory meeting, GVG Vishalakshi college of arts and science for women, Udumalpet, 19.09.2020
4. Member of Selection committee panel for the post of Assistant Professor in Zoology – PSGR Krishnammal college, 2008 and 2016.
5. Coordinator’s meet , DBT Star college scheme, Ramnarain Ruia college, Mumbai, National, 5<sup>th</sup> to 7<sup>th</sup> Aug, 2013
6. External Expert, IQAC Advisory meeting, 2015, Bishop Appasamy College of arts and Science, Coimbatore
7. External Member, Mentors meeting, DBT Star college scheme, Sri GVG Vishalakshi college of arts and science for women, Udumalpet

## 27) Membership in Professional Bodies

Name of Professional Body	Nature of Membership	Duration
Indian Science Congress	Life Member	Life membership

- 28) **Any other:** Visited countries like Dubai, Sharjah and Oman for paper presentation