

## STAFF PROFILE



**Name: Dr. P. PANDILAKSHMI**

- 1. Professional summary** : Assistant Professor of Zoology, Holy Cross College, Trichy – 2
- 2. Qualification:** : M.Sc., M.Phil., Ph. D.
- 3. Experience** : Teaching Experience: 18 years 6 months
- 4. Address for Correspondence** : 52A, East Panjappur, Manikandam (Post), Tiruchirappalli - 12
- 5. Mobile No.:** : 9942052401
- 6. Email** : [pandilakshmip1980@gmail.com](mailto:pandilakshmip1980@gmail.com)
- 7. Academic Qualifications:**

Degree	Subject (s)	Name of the College/University	Year of passing
Ph. D.	Zoology	Holy Cross College (Autonomous), Tiruchirappalli- 620002. (Bharathidasan University, Palkalaiperur, Trichy)	2017
M. Phil	Zoology	Bharathidasan University, Trichy	2008
P. G	Zoology	Holy Cross College (Autonomous), Tiruchirappalli- 620002	2002
U. G	Zoology	Holy Cross College (Autonomous), Tiruchirappalli- 620002	2000

**8. Fields of Specification under the**

**Subject / Discipline:**

Phytotherapy, Vermicomposting, Environmental studies and Microtechnique

**9. Subjects specialized in Teaching:**

UG - Invertebrates, Chordates, Genetics, Evolution, Developmental Biology, Biological techniques, Animal behavior, Economic Zoology, Aquaculture, Apiculture, Animal physiology etc.

PG – Human genetics, Developmental Biology, Molecular Biology, Microbiology, Animal physiology and Applied ecology

**10. Orientation / Refresher / Other Courses attended:**

<b>Name of the Course</b>	<b>College/University</b>	<b>Duration in Days</b>	<b>From – To (Mention Date here)</b>
National level FDP on “Building A Predictive Understanding Of Microbial Communities” (Virtual forum through “Zoom Application”)	PG and Research Department of Zoology, Nirmala College for Women (Autonomous) Redfields, Coimbatore – 18	2	23rd & 24 <sup>th</sup> May, 2020
Faculty Development Webinar Series on “Remote Classrooms – Digital Technology in Teaching Learning”	IQAC, Holy Cross College (Autonomous), Trichy - 02	1	30th May, 2020
One week online International Faculty Development Program (FDP) on “Artificial Intelligence and IoT- Heuristic Transdisciplinary perspectives	CICRSD, Holy Cross College (Autonomous), Trichy - 02	7	4th – 10th July 2020
UGC STRIDE COMPONENT 1- Capacity Building of Young Talent in Transdisciplinary Research for a Sustainable Development of Society FDP WEBINAR SERIES - III	Holy Cross College (Autonomous), Trichy - 02	6	13 <sup>th</sup> – 18 <sup>th</sup> July 2020

**11. Teaching Methodology**

<b>Teaching Aids prepared&amp; used</b>	<b>e-content prepared</b>
PPT, Chart presentation, Videos, Animations, Blocks, Specimen presentation etc.	PAGE – SLAB Gel Electrophoresis, Genetic Counseling, Composition of blood, Pests of paddy and Muscle contraction, Microtechnique and General characters of phylum mollusca and echinoderms

**12. Examination and evaluation duties in other colleges/ university**

Central evaluation - Bishop Heber College, Trichy

### 13. Question paper setting

A.D.M. College for Women, Nagapattinam  
St. Mary's College, Thoothukudi  
Vellalar College For Women, Erode  
Thiagarajar College, Madurai  
V.H.N.S.N College (Autonomous), Virudhunagar

### 14. Research Experience

UG and PG projects -15 Years

### 15. Research activities – Papers Published:

Academic Year	Nature of the Journal	Details
2013	Indian Journal of Natural Sciences	<b>Pandi Lakshmi P</b> , C.D.Lethi and P. Kokilavani (2013). Identification of Calcium Oxalate Crystal Deposition at Different Periods, Major Crystal Adherence Sites and its Injuries in Ethylene Glycol Administered Male Albino Rat Kidneys
2014	International Journal of Current Microbiology and Applied Sciences	<b>Pandilakshmi,P</b> and Lethi, C. D. (2014). Effect of Scoparia dulcis (Linn.) and Aerva lanata (Linn.) whole plant and fruit part extracts on urine volume of ethylene glycol induced urolithiasis in male albino rats
2015	International Journal of Science and Research	<b>P. Pandi Lakshmi</b> , Dr. C. D. Lethi and Dr. P. Kokilavani. (2015). Effect of Scoparia dulcis (Linn.) and Aerva lanata (Linn.) Whole Plant and Fruit Part Extracts on Ethylene Glycol Induced Urolithiasis in Male Albino Rats
2015	International Journal of Scientific Research	Dr.P.Kokilavani, Dr.S.Achiraman and <b>P. Pandilakshmi</b> (2015), Optimistic Influence of Commelinabenghalensis L. and Cissus quadrangularis L. in Alleviating Protection Against Quinalphos Induced Nephrotic Damages.
2022	Journal of Veterinary and Animal Sciences	Sujatha Ilangovan, Jesintha, BhorginLourdu Mary and <b>Pandilakshmi</b> (2022), Value addition to livestock excreta and fish waste through vermicomposting.

### 16. Book Chapters

Number of Chapters	Title of the Book	Name of the Publisher	Year and ISBN NO.
11	A text of practical Zoology for undergraduates  Author Staff of the Department of Zoology, Holy Cross College,	Academy of Science and Society	2021  978-81-953014-2-3

	Trichy		
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**17. Research activities – Papers Presented:**

Academic Year	Name of the Conference	National / International	Details
2014	International conference on “Recent trends in Biomedical Sciences and 32nd Annual meeting of the Society for Reproductive Biology and Comparative Endocrinology,,PG and Research Department of Zoology and Biotechnology, Holy Cross College, Trichy	<b>International</b>	J.Monicka Seles and <b>P.Pandilakshmi</b> (2014), A study on diabetes related aspects in Trichy and Dindigul Districts
2017	National Conference on Enhancing Entrepreneurship and Innovation in Biotechnology for Sustainable Development, Tamilnadu Scientific Research Organization, Pudukkottai	<b>National</b>	V. Aadhini, A. Arifa Begam, S. Devika, J. Joanna Monica and Dr. P. <b>Pandilakshmi</b> (2017), A study on PhysioChemical Properties and Bacteriological Analysis of Uyyakondan River, Tiruchirappalli District
2023	International conference On Sustainable Environment and Economy, Department of Environmental Sciences, Bishop Heber College, Trichy	<b>International</b>	M. Fahmeedha Subrin and <b>Dr. P. Pandilakshmi</b> (2023), Activity of Natural Bactericide against <i>Xanthomonas oryzae</i>

**18. Conferences /seminars/ symposia/workshops - Attended:**

Academic Year	Name of the Conferences /seminars/ symposia/workshops	National / International	Online/ offline	Details
2013-2014	International conferences in Recent Trends in Biomedical Sciences	International	offline	Organized by Holy Cross College (Autonomous) ,Trichy 7 <sup>th</sup> -9 <sup>th</sup> January2014
2014-2015	A National level Certificate program on good laboratory practices and Intellectual property rights in Biosciences	National	offline	Organized by Holy Cross College (Autonomous), Trichy 23and 24 February2015

	State level workshop on Basicsof Bioinformatics and CADD	State level	offline	Organized by Holy Cross College (Autonomous), Trichy-12-14August 2014
2015-2016	National conference on Natural Sciences	National	offline	Organized by Holy Cross College (Autonomous), Trichy 19.1.2016
	Workshop on Bioprospecting and Bioresources	National	offline	Organized by School of biological Sciences St. Joseph's College, Trichy 10th12 <sup>th</sup> Feb2016
2016-2017	Workshop on Taxidermi	National	offline	Organized by National College, Trichy 3 <sup>rd</sup> -5 <sup>th</sup> January2017
2017-2018	National Conference on Enhancing Entrepreneurship & Innovationin Biotechnology for Sustainable Development	National	offline	Organized by The H.H Rajah's College, Pudukkottai.
	Hands on Training on QIAGEN – Real time PCR	National	offline	Organized by Holy Cross College (Autonomous), Trichy 25 <sup>th</sup> November2017
	Workshop on a holistic approach to cardiovascular diseases	National	offline	Organized by Holy Cross College (Autonomous), Trichy 13 <sup>th</sup> December2017
	International conference on Innovations and Challenges in Biomedical Sciences Research	International	offline	Organized by Holy Cross College (Autonomous), Trichy 14 <sup>th</sup> December2017
	State level seminar on Goodness of God and Nature	State level	offline	Organized by Holy Cross College (Autonomous), Trichy, 6 <sup>th</sup> January2018
2020-2021	Everything Started with Nothing-Make a Start	State level	. Online	Organized by Holy Cross College (Autonomous), Tiruchirappalli-620002 <b>13<sup>th</sup> May,2020</b>

	Webinar on Positive Living (During Lock – Down and After)	National	Online	Organized by Department of Chemistry, Dr.MGR Educational and Research Institute, Adayalampattu Phase IICampus, Chennai <b>15th May, 2020</b>
	Webinar on “Role of Youth in National Development Post Covid-19”	National	Online	Organized by Ram Lal Anand College, University Of Delhi <b>16<sup>th</sup> May, 2020</b>
	Webinar on “Nanobio Incubation Facilities And DST Funding Opportunities”	National	Online	Organized by Department of Biochemistry, Rathnavel Subramaniam College of Arts and Science, Sulur, Coimbatore <b>16<sup>th</sup> May, 2020</b>
	Webinar on “The challenges of remote learning through online classrooms and resource hubs”	International	Online	Organized by Director Schools and Skills British Council <b>20<sup>th</sup> May 2020</b>
	National Webinar on “Biodiversity Conservation with Special Emphasis on Snakes”	National	Online	Organized by Department of Zoology, Nallamuthu Gounder Mahalingam College, Pollachi, Tamilnadu <b>21<sup>st</sup> May, 2020</b>
	International Webinar on “Fragile X Syndrome- Myths and Facts on EC matrix of the Brain”	International	Online	Organized by Dwaraka Doss Goverdhan Doss Vaishnav College (Autonomous), Arumbakkam <b>23<sup>rd</sup> May, 2020</b>
	"International Webinar on "Business Skills Development in Life Science""	International	Online	Organized by Department of Animal Health and Management, Alagappa University, Karaikudi <b>27<sup>th</sup> May, 2020</b>
	"One Day Webinar on “Wildlife Conservation: Issues And Challenges In India”	International	Online	Organized by Bharathiyar Arts and Science College for Women, Salem <b>28<sup>th</sup> May, 2020</b>
2021 – 2022	BIRAC’s Role in Creating the startup Innovation Ecosystem	State level	Online	Organized by CIIC, Holy Cross College (Autonomous), Tiruchirappalli-620002 <b>29<sup>th</sup> May 2020</b>
	One day workshop for college teachers on Generation and characterization of Chicken Egg yolk	National	offline	SASTRA Deemed to be University, Thanjavur <b>15<sup>th</sup> March 2022</b>

	antibodies (IgY) from white Leghorn chickens			
2022 - 2023	Conference on Psychological Changes In Disaster Management	National	offline	Indian Red Cross Society, Youth Red Cross Zone, Bharathidasan University, Trichy <b>11<sup>th</sup> October 2022</b>
2024 - 2025	Intercollegiate competition and celebration on “World Nature Conservation and International Tiger Day”	26.07.2024	offline	Organized by PG and Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti -0621007, Trichy.
	One day National Conference on “Recent Trends in Experimental Biology”	27.09.2024	offline	Organized by Department of Biochemistry, St. Joseph’s College (Autonomous), Trichy

#### 19. Resource Person:

Academic Year	Name of the Programme	Date	Details
2015 - 2016	CSIR NET Coaching classes for Life Sciences -	15.08.2015-13.12.2015	DBT- STAR and DST-FIST
2015 - 2016	Workshop on Immunohistochemistry and Computational tools in Biology	03.02.2016 and 04.02.2016	Organized by Dept. of Zoology, Holy Cross College, Trichy
2016 - 2017	National conference on Better Environment and Better future,	02.08.2016	Organized by Dept. of Zoology, Holy Cross College, Trichy
2022 - 2022	Certificate course on Microtechnique		Organized by Dept. of Zoology, Holy Cross College, Trichy 12 <sup>th</sup> December -16 December 2022
2022 - 2023	Millets: A Nutritious way of Life	21.02.2023	Organized by Dept. of Economics, Holy Cross College, Trichy
2023 - 2024	Hands on training Workshop - Microtechnique	15th December 2023	PG and Research Department of Zoology, Holy Cross College, Tiruchirappalli - 02
2024 - 2025	Intercollegiate competition and celebration on “World Nature	26.07.2024	Organized PG and Research Department of Zoology, Nehru

	Conservation and International Tiger Day”		Memorial College (Autonomous), Puthanampatti -0 621007, Trichy.
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## 20. Recognition/Awards received

Academic Year	Name of the award
2016 - 2017	Best Young Investigator Award, Bose Science Society
2017 – till date	Fellow of Bose Science Society
2021 – till date	Reviewer of ARCC Journals
2021 - 2022	Reviewer Excellence Award, Agricultural reviews, ARCC Journals, <b>Index Copernicus</b>
2021 - 2022	Reviewer Excellence Award, Agricultural Science Digest, ARCC Journals - <b>Elsevier (Scopus and Embase) Indexed</b>
2023 - 2024	Reviewer Excellence Award, Indian Journal of Animal Research, ARCC Journals – <b>Scopus Indexed</b>

## 21. Outreach Activities

Academic Year	Details
2010 – 2024	As Department representative of RESCAPES – guided students to execute Rainwater harvesting, Vermicomposting, Azolla cultivation, awareness on drug addiction, tree plantation etc. in the adopted villages (Gopurapatti, Kuruvampatti)

## 22. Extension Activities

Academic Year	Details
2021 – 2024	As Coordinator of Youth Red Cross club, Holy Cross College, Trichy
2024 – till date	As core member of Infrastructure, Holy Cross College, Trichy

## 23. Significant contributions

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<b>Academic Year</b>	<b>Details</b>
2017 - 2022	Member of Institutional Animal Ethical Committee (IAEC), Holy Cross College (Autonomous), Trichy
2016 – 2017 & 2018 – 2024	Department representative of Alumnae association, Holy Cross College (Autonomous), Trichy
2017 - 2018	Staff in-charge for Zoology Department Association meeting, Holy Cross College (Autonomous), Trichy
2018 - 2019	Department representative of PTA association, Holy Cross College (Autonomous), Trichy
2024 - 2025	Department representative of Infrastructure, Holy Cross College (Autonomous), Trichy Department representative of Internal Exam committee, Holy Cross College (Autonomous), Trichy

#### 24. Accompanied students outside the college for programmes

<b>Academic Year</b>	<b>Details</b>
2013 - 2014	Accompanied students for cultural competition held in Kalai Cauvery, Trichy
2016 - 2017	Accompanied students for study visits to Bharathidasan University, Trichy and Bose Science Society, Pudukkottai
2018 -2019	Accompanied students for “Phrastafest” – 2019, Department of Botany, St. Joseph College (Autonomous), Trichy
2024 - 2025	Accompanied students for an Intercollegiate competition and celebration on “World Nature Conservation and International Tiger Day” on 26 <sup>th</sup> July 2024, organized by PG and Research Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti -0 621007, Trichy. Accompanied students for a one-day National Conference on “Recent Trends in Experimental Biology” on 27 September 2024, organized by Department of Biochemistry, St. Joseph’s College (Autonomous), Trichy

#### 25. Any other contribution to the student community

<b>Academic Year</b>	<b>Details</b>
2010 - 2015	Handled Remedial classes for Slow learners
2009 – till Date	Mentor for students

#### 26. Involvement in the College Students related activities

<b>Academic Year</b>	<b>Activities</b>	<b>Description</b>
2013 - 2014	Sports	Department representative, Holy Cross College (Autonomous), Trichy
2020 – 2021 2023 - 2024	Fine arts	Department representative, Holy Cross College (Autonomous), Trichy
2024 - 2025	SWAYAM – online course	Department representative, Holy Cross College (Autonomous), Trichy
	HRD	Department representative, Holy Cross College (Autonomous), Trichy