



Name : Dr. S. Venkatalakshmi
Qualification : M.Sc., M.Phil., P.hD.,PGDBI
Designation : HOD& Associate Professor
Controller of Examination
Department Name : Zoology
Date of Birth : 03.10.1972
Date of Appointment : 23.10.1998
Office Address : Department of Zoology,
Govt. College for Women (Autonomous),
Kumbakonam – 612 001.
Mobile No : 9442647313
E-mail Id : dr.s.venkatalakshmi@gcw.ac.in
Specialization : Fish Immunology and Apiculture
Experience (UG/PG) : UG – 25 years, PG – 13 years

7. Academic Qualification:

Sl. No	Degree / Diploma	Year of Passing	Class / Grade	Major	University / College
1.	B.Sc.,	1994	I Class with special Distinction	Zoology (Spl)	Lady Doak College Madurai,
1.	M.Sc.,	1996	I Class Distinction Gold medal	Zoology	American College Madurai, Madurai Kamaraj University
2.	M.Phil.,	1997	I Class		American College

			Distinction Gold medal	Zoology/fish Immunology	Madurai, Madurai Kamaraj University
3.	Ph.D.,	2008	Commended	Zoology/Fish Immunology	Bharthidasan University
4.	PG Dip. Bio Informatics.	2005	I class	BioInformati cs	Bharathiar University

8. Refresher and orientation Courses attended

- Orientation Course** - Attended orientation course
At Academic Staff College
Bharathidasan University– Trichy,
- Refresher Course** -
 - In Zoology – grade A at Bharathidasan University, Trichy
 - In biological Sciences at Bharathiyar University, Coimbatore
 - Principles of Translation in Preparing Textbooks from English into Regional Languages at Tamil University, Thanjavur.

Research Projects

1. Minor Research Project:

- Sanctioned with a minor Research project entitled “Immunostimulatory effect of the microbial probiotics *Lactobacillus acidophilus* in *Oreochromis mossambicus*” Amount sanctioned : Rs. 90,000/- The grant was surrendered to UGC after partial utilization in order to avail FIP.

2. Major Research Project:

- Sanctioned with a Major Research Project entitled “Immunomodulatory Effect of Cow urine in *Labeo rohita*” Amount sanctioned Rs.11,74,800/-

No. F 42-561/2013(SR)

Research Guidance

Research Guidance	M.Sc	M.Phil	Ph.D
Guided	10	01	05
Guiding	01	01	05
Total	11	2	10

Research Scientific Collaborations:

S. No	Institution/Centres	Remarks
1.	Go-Vigyan Anusandhan Kendra, Nagpur	National
2.	Centre for Marine Science, Bharathidasan University, Thirichirapalli	National
3.	Rajiv Gandhi Centre for Biotechnology, Trivandrum	National
4.	Rajiv Gandhi Centre for Aquaculture, (MPEDA, Ministry of Commerce and Industry, Govt. Of India) Karaimesu, Sirkali Taluk Nagapatnam Dt - 609 109, Tamilnadu.	National
5.	Dr.Madasamy Karuthapandi, Freshwater Biology Regional Centre, Zoological Survey of India, Hyderabad 500048, India.	National

Paper Published:

1. Logambal S.M, **Venkatalakshmi S** and Dinaharan Michael R. Immunostimulatory effect of leaf extract of *Ocimum sanctum* Linn in *Oreochromis mossambicus* (peters), 2000., Hydrobiologia, 430, 113-120.
2. **Venkatalakshmi S** and Dinaharan Michael R. Immunostimulation by leaf extract of *Ocimum sanctum* Linn in *Oreochromis mossambicus* (peters), 2001. J.Aqua-Trop 16(1), 1-10.

3. Dindaharan Michael R, Carton George Quinn and **Venkatalakshmi S.** Modulation of Humoral Immune response by ascorbic acid in *Oreochromis mossambicus* (peters) Indian Journal of Experimental Biology Vol 36, Oct 1998 P.P. 1038-1040.
4. **Venkatalakshmi S** and J. Ebanasar. Immuno enhancement of *Oreochromis mossambicus* (Peters) in relation to different doses of Lactobacillus sporogens given as a feed a additive, 2012 .Journal of Basic and Applied Biology, Vol 6, No 2 pp 53-59.
5. **Venkatalakshmi S**, Ebanasar J and Dinakaran Michkel R. A novel eco-safe method for Probiotic application in Aquaculture, 2012. Journal of Basic and Applied Biology, Vol 6, No 2, pp 60-68.
6. Padmapriya S.S and **S. Venkatalakshmi**, 2014. Biochemical Responses of the Fish *Cirrhinus mrigala* Exposed to Urine of Different Cow breeds, Research Journal of Science and Technology, 6(1):30-33.
7. Padmapriya S.S and **S. Venkatalakshmi**, 2014. Effect of varying cow urine samples on growth of fish *Cirrhinus mrigala* fingerlings (Hamilton), International Journal of Fisheries and Aquatic Studies. 2(2): 26-29.
8. Sattanathan G and **S. Venkatalakshmi**, 2015. The dose dependent effect of Different Concentration of Cow urine Distillate on Growth and Food utilization of *Labeo rohita* fingerlings, International Research Journal of Life Sciences, 2 (1), 70-76.
9. Sattanathan G and **S. Venkatalakshmi**, 2015. Efficacy of different breeds of cow urine distillate on growth and food utilization Of Indian Major Carp, *Labeo rohita* (Hamilton) Fingerlings. Species. 14 (46): 169-185.
10. **Venkatalakshmi S** and J. Ebanasar, 2015. Immunostimulatory effect of Lactobacillus sporogenes on the nonspecific defense mechanisms of *Oreochromis mossambicus* (Peters). International Journal of Fisheries and Aquatic Biology. 2 (4): 362-369.
11. Durga B, Mala G and **S. Venkatalakshmi**, 2015. Optimization Of Concentration of Bos indicus Cow Urine Distillate (CUD) In *Oreochromis Mossambicus* (Peter) for Immunostimulatory Activity.
12. Mala. G and **S. Venkatalakshmi**. 2015. Immunomodulatory Efficiency of Cow Urine Distillate (CUD) On Haematology of *Oreochromis Mossambicus* (Peters). Drug Discovery, 2015, 10(24), 67-75

13. Logambal S.M and **S. Venkatalakshmi**, 2015. Study on the relative efficacy of the Indigenous Plant Extracts as Larvicide against the Mosquito *Culex uinefasciatus*. Drug Discovery, 2015, 10(24), 84-92
14. Vasanthi P and **Venkatalakshmi S**. Comparative study on the effect of Indian and gross bred cow urine distillate on the growth & food utilization parameter of *Cirrhinus Mrigala*. Species, 2015, 13(41), 79-88
15. Mahadevi D and **Venkatalakshmi S**. Comparative study on the efficiency of vermicompost produced using cow dung of different cow breeds. Indian Journal of Science, 2015, 15(45), 34-41
16. Durga B and **S. Venkatalakshmi**, (2016). Supplementation of cow urine distilled (CUD) as Growth Promoter in Diet on Fingerlings of *Oreochromis mossambicus* (peters). BEST: International Journal of Humanities, Arts, Medicine and Sciences (BEST: IJHAMS), 4 (3): 121 – 132.
17. Priya G and **Venkatalakshmi S**, (2016). Growth Responses of *Labeo rohita* (Hamilton) Fingerlings Treated with Different Breeds of Fresh Cow Urine. International Journal of Recent Scientific Research 7 (11):14375-14378.
18. G. Sattanathan and **S. Venkatlakshmi**, (2016). Application of Cow Urine Distillate for Enhancement of Nutrient Value and Water Quality of Indian Major Carp, *Labeo rohita* (Hamilton) Fingerlings. LS - An International Journal of Life Sciences, 5 (1): 1 – 8.
19. G.Priya, M.Ranjitha and **S.Venkatalakshmi**, (2016). Effect of different concentrations of cow urine on growth response and survival rate of indian major carp, *labeo rohita* fingerlings (Hamilton, 1822). International journal of modern research and reviews. 4 (5): 1147 – 1150.
20. Sattanathan G and **Venkatalakshmi S**, (2016). Growth, food utilization responses and survival rate of indian major carp, *Labeo rohita* (Hamilton) fingerlings underexposure of cow urine distillate. Innovare journal of life science, 4 (3) : 9 – 13.
21. Logambal. S.M and **Venkatalakshmi S**. Efficacy of cow urine extract of *Ocimum sanctum* on growth and survival in *Oreochromis mossambicus*. International Journal of Recent Scientific Research. 2017, 7 (8): 18578-18588.

22. Logambal. S.M and **Venkatalakshmi S.** Synergistic effect of cow urine and *Ocimum sanctum* leaves on the haematology of *Oreochromis mossambicus*. International Journal of Advance research and technology. 2017, 7 (3): 1018 - 1025.
23. Praveena V and **Venkatalakshmi S.** First record of isolation of hemolymph and identification of hemocytes in a cyclopoid copepod. Research and Review Journal of Life Sciences. 2019, 9 (3): 1-4.
24. Varadhan Praveena, Ravichandiran Vinitha, & **Sournamanickam Venkatalakshmi.** Haematological variables of *Oreochromis mossambicus* against *Aeromonas hydrophila* infection by using dissimilar types of gaumutra distillate. Indian Journal of Geo Marine Sciences. 2019, 48 (12): 1849 – 1854. 0975-1033 (Online); 0379-5136 (Print)
25. Praveena Varadhan, Subhhasri Varadharajan, Priya Muthukirushnan, **Venkatalakshmi Sournamanikam.** Efficacy of cow urine distillate to enhance the freshwater copepod population density. International journal of Scientific & technology research. 2020, 9 (3): 1738 – 1742. ISSN 2277-8616
26. Praveena V, **Venkatalakshmi S,** Naiyf S, Alharbib and Govindarajan M. Identification of a novel antibacterial protein from hemolymph of freshwater zooplankton *Mesocyclops leuckarti*. Saudi Journal of Biological Sciences. 2020, 8 (4): 1 – 8. doi: [10.1016/j.sjbs.2020.05.011](https://doi.org/10.1016/j.sjbs.2020.05.011)
27. Pavithra P, Subhashini K, Semmalar R, Padmapriya SS, and **Venkatalakshmi S,** Hematological studies of the freshwater Zooplankton *Macrocylops edax* Journal of Emerging Technologies and Innovative Research, 2022, 9 (6) a77 –a82 ISSN-2349-5162
28. Semmalar R and **Venkatalakshmi S,** Antibacterial Efficacy of Cow Urine Distillate Supplemented Cultures of *Sinodiaptomus sarsi* Hemolymph against Infectious Bacterial Pathogens, Research Journal of Agricultural Sciences, 2023, Volume 14; Issue 05; pp 1642–1646.

Over all h-index - 5

Over all citations - 355

Index – 15

Faculty Development Programme:

1. Faculty development programme of UGC Sponsored National Workshop on Recent Trends in Bio-Virtual Labs at Department of Zoology, Government College for Women (Autonomous), Kumbakonam, on 24.01.2018
2. One-day Faculty Development Programme on Prospects of Outcome Based Curriculum on 31.07.2019
3. Quality Assurance & Sustenance in Higher Education Institutions, UGC-Human Resource Development Centre, Internal Quality Assurance Cell, Bharathidasan University, Trichy on 21.02.2020 & 22.02.2020
4. Online Workshop on Basics of Virtual Pedagogy held on 18.06.2020
5. Faculty Development Programme on Virtual Classroom made easy held on 09.08.2020
6. Creating Interactive E-Assessment Tools conducted by Universal Teachers Academy on 14.06.2021 – 18.06.2021
7. E-content Development (Tools,Tips, and Techniques) held on 02.07.2021
8. One day Faculty Development Programme on NAAC SSR Preparation In A Nutshell held on 04.11.2022

Workshops, Seminars, Training programs and symposiums attended

1. State Level Seminar on Challenges and Applications in Bioinformatics at Bharathidasan University – Trichy from 31-03-2003- 01-04-2003.
2. International Scientists Meet on Marvels of Life Science at Ponniah Ramajayam College – Thanjavur from 06.01.2003 – 07.01.2003.
3. International Scientists Meet on Marvels of Life Science at PonniahRamajayam College – Thanjavur from 08.01.2003 – 09.01.2003.
4. Workshop on environmental studies at BARD organized by council for College and curriculam development from 5.1.2004 to 10.1.04
5. National symposium on “Bio Informatics” at PonniahRamajayam College, Tanjore, during 1st and 2nd March 2005.
6. One Day Regional Workshop on Research Methodology at Holy Cross College, Trichy on 01.02.2006

7. National conference on Recent trends in Biosciences at Annai College, Kumabkonam, on 8. 2 .2007- 9.2.2007.
8. Three Day workshop on “Curriculum Development and Evaluation “at Govt. College For Women, Kumbakonam. During 6 -8 september 2007.
9. Two days National Symposium on new concept in Biotechnology – Organized at Dept of Biotechnology Kalasalingam University, Krishnan koil on feb 11&12, 2008.
10. “Train The Trainer” Program held at Infosys Technologies, Chenai on 25th Jan to Feb 1st 2010.
11. Global Skills Enhancement Program conducted by Infosys BPO Ltd., at Infosys, Chennai from 25th Jan to 1st Feb, 2010.
12. National seminar on emerging trends and challenges in aquatic Biotechnology. Kadirmohideen College ,Adirampattinam on 12th& 13th February 2011.
13. INCOBS 2nd International conference on Bioinformatics and systems Biology at Annamalai university on Feb 16th and 17th 2011.
14. Two days Nationalworkshop on Statistical Analysis Biological and Biomedical Data, held in Rajah’s Serfoggii Govt. College (Autonomous), Thanjavure,- 24th , 25th Jan 2012.
15. State level seminar on Impact of pollution on Biodiversity at Government Arts College (Autonomous), Kumbakonam, on 16th April 2012.
16. Two days National conference in Advances in Modern Biology and Environment held at H.H. Rajah’s Govt. College (Autonomous), Pudukkottai – 07th , 08th Feb 2013.
17. National level seminar on Emerging trends in Biological Research at Lady DoakCollege, Madurai on 11th and 12th December 2013.
18. District level Entrepreneurial seminar for Introduction & Explanation of various schemes like UYEXCP, PMEGA and NEEDS presided by District Collector on 31.01.2014.
19. New Education Policy – 2016 : Suggestions and General Discussion. Tamil nadu Government College Teachers’ Association, Periyar EVR Govt. College, Trichy.
20. The Fund Tracker Workshop, State Project Directorate, Rashtriya Uchchatar Shiksha Abhiyan, DOTE Campus, Chennai on 22.09.2017
21. Workshop on Recent trends in Biovirtual Labs on 24.01.2018

22. Expenditure Management and Fundutilisation through PFMS eat Module, Rashtriya Uchachatar Shiksha Abhiyan (RUSA) State Project Directorate, DOTE Campus, Chennai on 28.08.2018 & 29.08.2018
23. Evaluation Reforms in Higher Education. University Grants Commission, South Eastern Regional Office, Hyderabad on 18.07.2019 & 19.07.2019
24. Faculty Development Programme on Research Motivation organized by Internal Quality Assurance cell on 03.04.2023

Oral, Poster & Paper presented

1. Modulation of Humoral Immune response by Ascorbic acid in *Oreochromismossambicus*(peters) – Presented at FIFF. 2002.
2. Immune suppression by the Textile dye, Direct blue 2B in *Oreochromismossambicus* (peters) – Presented at FIFF.2000.
3. Immunostimulatory effect of *Ocimum sanctum* (Linn) in *Oreochromismossambicus*(peters) presented at Center For Fresh Water Aquaculture (CIFA). 2002
4. A novel eco-friendly method for probiotic application using immobilized *Lactobacillus sporogenes* at National symposium on concepts in Recent Trends in Biotechnology at Kalasalingam University , Krishnankoil. 2011
5. Sakacin – a probable competitive inhibitor for enteric pathogens – presented at PonniahRamajayam College , Tanjore – Best Oral Presentation Award.2006
6. Temporal changes in alkaline phosphatase and lipid peroxidase activities in the vermicastes of *Eudriluseuginae*– presented at National symposium on Recent trends in Biosciences in Annai College, Kumbakonam. 2010
7. Eighth symposium on diseases in Asian during 21-25 Nov,2011 Organized by College of Fisheries, Mangalore & Fish Health section of Asian fisheries society.

Details Of Workshop / Conference/ Seminar Organised:

1. State level seminar on **Emerging Trends in Mathematical Biochemistry** on 10.03.2008 at Government College for Women (Autonomous), Kumbakonam, organized by Dept of Zoology, Chemistry and Mathematics.
2. Work shop on **Interview skills** (16-10-2008 & 17-10-2008) held at Government College for Women (Autonomous) Kumbakonam.
3. Work shop on **Career guidance** (26-01-2009 to 28-01-2009) held at Government College for Women (Autonomous), Kumbakonam.
4. Two day workshop on **Employability skills** (01-04-10 – 04-04-10) the workshop sponsored by UGC, organized by the career & counseling cell, Government College for Women (Autonomous), Kumbakonam.
5. One week training on **Biofertilizer production** 05.04.10 to 10.04.10.
6. Three day training programme on **organic farming & Live stock management** 02.04.12 to 04.04.12
7. Two days interdisciplinary workshop on **mathematical Modelling in Biology using SPSS** at GCWK (A), Kumbakonam, on 18th and 19th October 2013.
8. Three days training programme in **BEE KEEPING** training course at Government College for Women (Autonomous), Kumbakonam, on 27.02.2014 to 01.03.2014 sponsored by UGC-Autogrant.
9. Heal your **Living the Corporeal** way as faculty Development Programme on 16.03.2014 held at Government College for Women (Autonomous), Kumbakonam.
10. Three days training programme in **BEE KEEPING** training course at Government College for Women (Autonomous), Kumbakonam, on 07.08.2014 to 09.08.2014 sponsored by UGC-Autogrant.
11. Two days State Level workshop on **Fish Immunotechniques** held at Government College for Women (Autonomous), Kumbakonam on 19th and 20th 2014 Sponsored by UGC Auto grant.
12. One day invited lecture on **Cow based Economy** held at Government College for Women (Autonomous), Kumbakonam on 11th October 2014 sponsored by UGC Auto grant.

13. One day Seminar on **Biochemistry** held at Government College for Women (Autonomous), Kumbakonam on 24th Feb 2015, sponsored by UGC Auto grant.
14. Two day National Conference on **Cow based sustainable rural income and Employment Generation** held at Government College for Women (Autonomous), Kumbakonam on 12th and 13th March 2015 sponsored by UGC Auto grant.
15. Faculty Development Programme on one day **Seminar on creative teaching** techniques 22.08.2015 held at Government College for Women (Autonomous), Kumbakonam.
16. One day training programme on **Mushroom culture** on 12.09.2015 held at Government College for Women (Autonomous), Kumbakonam, sponsored by UGC-Autogrant.
17. Three days training programme in **BEE KEEPING** training course at Government College for Women (Autonomous), Kumbakonam, on 07.10.2015 to 09.10.2015 sponsored by UGC-Autogrant.
18. One day State level seminar on **Live Zoology** at Department of Zoology, Government College for Women (Autonomous), Kumbakonam, on 10.02.2016.
19. Two days state level workshop in **Microtechniques** at Department of Zoology, Government College for Women (Autonomous), Kumbakonam, on 08.03.2017 to 09.03.2017.
20. Workshop on **Apiculture** at Department of Zoology, Government College for Women (Autonomous), Kumbakonam, on 14.03.2017 to 15.03.2017.
21. Faculty development programme of UGC Sponsored National Workshop on **Recent Trends in Bio-Virtual Labs** at Department of Zoology, Government College for Women (Autonomous), Kumbakonam, on 24.01.2018.
22. National Workshop on **Computational biology and its application** at Department of Zoology, Government College for Women (Autonomous), Kumbakonam, on 08.02.2018 to 09.02.2018.
23. National Conference on **Indian Fisheries: Prospects and Challenges** at Department of Zoology, Government College for Women (Autonomous), Kumbakonam, on 15.02.2018 to 16.02.2018.

24. Invited Lecture for awareness meeting “**Call back sparrow’s conservation**” at Department of Zoology, Government College for Women (Autonomous), Kumbakonam, on 15.07.2019.
25. National seminar on **Fisheries Management** at Department of Zoology, Government College for Women (Autonomous), Kumbakonam, on 25.07.2019 to 26. 07. 2019.
26. National level workshop on **Bird watching** at PG & Research Department of Zoology, Government College for Women (Autonomous), Kumbakonam on 11.01.2021 to 12.01.2021.
27. Regional level Hands on Training on Microbes isolation and characterization at Department of Zoology, Government College for Women (Autonomous), Kumbakonam, on 16.11.2021 to 17. 11. 2021.

Gene Bank Submissions

Accession No.

MN886516 – *Mesocyclops leuckarti*

MN886517 – *Sinodiaptomus Sarsi*

MN886518 – *Sinodiaptomus Sarsi*

Committee Responsibilities:

(@ Government College For Women (A), Kumbakonam)

- Part V Extention Activities Co-ordinator (2022 to till date)
- Controller of Examinations (2019 to 2022)
- IQAC Co-ordinator (2012 to 2019)
- NAAC Committee Member (2012 to till date)
- UGC Committee Member (2007 to till date)
- Students Welfare Co-ordinator (2012-2017)
- YDS Co-ordinator (2009 to 2020)
- Result Awarding Committee (2016 onwards)

- Autonomous Extension Review Co-ordinator
- PFMS Co-ordinator (2019-2020)
- Co-ordinator for PG online application for admission (2019-2020)
- In charge of classroom allotment
- In charge of General time table of the college
- Admission committee member from 2022 onwards
- Canteen committee member (2022 to 2023)
- Hostel committee member (2022 to till date)

Invited Talks:

1. Delivered the notes on “Immunology” for National Science Day on 07.12.2006 at Dharmapuram Gnambigai Govt Arts College for Women, Mayiladuthurai.
2. Delivered the Key notes address to the B.Ed students entitled “Social Responsibility of Teachers” in K.S.K College of Education on 20.08.2013 and inaugurated the subject association.
3. Invited talks on “MANATHOOIMAI” in NSS Camp at Govt. College for Women (A), Kumbakonam on 09.03.2018.
4. Invited talks on “CURRENT IMMUNOLOGICAL TOOLS FOR BIODIVERSITY AND STATUS OF ENVIRONMENT HEALTH” at CAS in Marine Biology, Annamalai University, Paragipettai on 23.08.2019.
5. Invited talks on “PROGRESS OF WOMEN – TODAY SCENARIO” on the occasion of Women’s day celebration at K.S.K College of Engineering, Kumbakonam on 11.03.2020.
6. Delivered a lecture on “COMPONENTS OF EXAMINATIONS” in the UGC-Autonomous grant sponsored Two Days Freshers Orientation Programme held on 13.08.2020 & 14.08.2020 at Govt. College for Women (A), Kumbakonam.

7. Delivered a lecture on “DIET FOR HEALTHY LIFE” in the Women Cell Programme at Government College for Women (A), Kumbakonam on 11.02.2021.

Recognitions:

- Chaired UGC-sponsored National Conference on Indian Fisheries : Prospects and Challenges (NCIFPC-2018) held on 15.02.2018 & 16.02.2018
- Invited as Examiner to attend the workshop for updating Question Bank conducted by Tamil Nadu Public Service Commission held on 19.09.2018 & 20.09.2018
- Appointed as Subject Expert for CAS evaluation of Zoology faculty Dr.V.Vanitha in the Department of Zoology, Government College for Women (Autonomous), Kumbakonam on 25.04.2022
- Attended Central Valuation / PG Examination in Government College for Women (Autonomous), Kumbakonam, on 22.11.2016 & 23.11.2016
- Appointed as a member in the Result Awarding Board in Lady Doak College, Madurai for a period of two years from January 2023 to May 2025
- Nominated as Representative to the Board of Studies in B.Sc Zoology, Nehru Memorial College (Autonomous), puthanampatti for a period of three years from 05.04.2021

Consolidated CV

Details	Number
Teaching experience	25 years
Research experience	13 years
Gene bank submissions	3
Research projects sanctioned	1 minor and 1 major
Invited as resource person	7

Conference/seminar/workshop organized	26
Conference/seminar/workshop attended	23
Research papers published	28
Research papers presented	7