

RESUME

Dr. K. MANIMEGALAI M.Sc., M.Phil., Ph.D., DCA, DTP.

Assistant Professor, Department of Zoology,

Address: L-52, Anna Housing Unit, L-Type Street,

Udumalpet – 642 128.



Mobile: 9790244592

Email id: manigvg2023@gmail.com

dr.k.manimegalai@gvgvc.ac.in

CAREER OBJECTIVE:

To begin my lecturer career at a highly-reputed and eminent educational institute and to gain exceptional career move ahead through long efforts and performance regularity. I would like to utilize my lively and energetic attitude in teaching student with great enthusiasm.

EDUCATIONAL PROFILE:

S.No	Course and year of passing	Institution/University	Subject Offered	Division	Percentage of Marks
1.	Ph.D 2012 – 2015	Thiagarajar College, Madurai.	Zoology	-	Awarded 15 - 11 - 2017
2.	M.Phil 2010 – 2011	Thiagarajar College, Madurai.	Zoology	I Class with Distinction	84.00%
3.	M.Sc 2008 – 2010	Thiagarajar College, Madurai.	Zoology	I Class with Distinction	83.50%
4.	B.Sc 2005 – 2008	Fatima College, Madurai.	Zoology	I Class with Distinction	89.06%
5.	HSC 2005	Sourashtra Girls Hss, Madurai	Bio-Maths	-	75%
6.	SSLC 2003	Sourashtra Girls Hss, Madurai	State Board	-	84.6%

ACADEMIC RECORDS:

- Selected under **RGNF Rajiv Gandhi National Fellowship** for Ph.D Programme in the year 2011.
- Awarded the **Maveeran Sundaralingam Endowment Prize** for secured the highest marks in **B.Sc., Zoology**.
- Won **Centum** in **Mathematics** in **SSLC examination** held in 2003.
- I had Secured **Third Rank** for the summative examinations in **M.Sc., Zoology**
- Awarded the **Dr.Panjaly Ramaraj Endowment Prize** for secured the highest marks in **M.Phil., Zoology**.

CERTIFICATION:

- Certificate course in “Basics of Computing “(Windows ’98, MS-Word)
- Diploma in Computer Programming.
- Diploma in Desktop Publishing
- Successfully completed the Certificate Course in Bio-technology and Techniques in plant tissue culture.

PROJECTS:

Ph.D:

“Bacterial Biosurfactants from Marine Habitats: Production, Characterization and Biological Activities”

M.Phil:

“Isolation, Characterization and Degradation Potential of Endosulfan Hydrolysing Bacterial and Fungal strains from Soil”

M.Sc:

“Larvicidal Activity of the Leaf extracts of Ipomea cornea and Pongamia pinnata”

B.Sc:

“Indoor Study of Mosquitoes in Palanganatham Area”

CONFERENCES / SEMINARS:

INTERNATIONAL LEVEL:

- Presented a paper entitled “**Marine Fungi as a Source of Secondary Metabolites of Antibiotics**” held at **Jawaharlal Nehru University, New Delhi** on 19th and 20th Oct, 2013.
- Presented a paper entitled “**Larvicidal activity of the leaf extracts of Ipomea cornea and Pongamia pinnata**” held at **Nirmala College for Women, Coimbatore** on 7th and 8th Oct, 2010.
- Participated in the “**International Conference on Advanced materials**” (ICAM-2011), held at **PSG College of technology, Coimbatore** on 12th – 16th Dec, 2011.
- Presented a paper entitled “**Isolation and Characterization of Bacteria at different sea water samples**” held at **Hindusthan College of Arts and Science, Coimbatore** on 31st Jan 2013.

- Participated in the “**International Conference on Precision Nutrition and Health: Foresight Future of Disease Prediction and Prevention**” organized by the Research Centre of Home Science & PG dept. of Zoology, Fatima College, Madurai on 20th Dec 2022.

NATIONAL LEVEL:

- Presented a paper entitled “**Exploration of a Biosurfactant from Marine Bacterial Organisms**” held at **SRM University**, Chennai on 18th Dec 2012.
- Presented a paper entitled “**Potential Biological activities of Marine actinomycetes isolated from Bay of Bengal**” held at Nehru Memorial College, Trichy on 8th and 9th August 2013.
- Presented a paper entitled “**Bacterial Exopolysaccharides from Marine Habitats: Characterization and Biological Activities**” held at Dr.N.G.P. Arts and Science College, Coimbatore on 26th and 27th Sep 2013.
- Presented a paper entitled “**Isolation, Characterization and Antagonistic activity of Marine Bacteria from Cochin Backwaters of Arabian Sea**” held at Bharathidasan University, Trichy on 5th and 6th Sep 2013 and won **Second Prize**.

STATE LEVEL:

- Presented a paper entitled “**DNA Barcoding in Microbial Diversity**” in the State level student seminar organized by the Department of Zoology, Thiagarajar College, Madurai on 6th Oct, 2010.
- Actively attended the one day workshop on “**Research Philosophies and Methods**” held at Thiagarajar College, Madurai on 12th Jan, 2012.
- Actively participated in Ten days special camping programme on the Theme “**Healthy Youth for Healthy India**” from 26th Dec 2006 to 4th Jan 2007, in Anaiyur – Madurai.
- Actively participated and act as a **Chaired in paper presentation in State level Intercollegiate Students seminar** on “**Microbiome**” by the dept.of Zoology, Thiagarajar College, Madurai on 5th Oct 2017.

WEBINARS / WORKSHOPS / FACULTY DEVELOPMENT PROGRAMME (FDP):

1. Participated in the short Term **Faculty Development Programme** on “**Cancer Biology and Drug Delivery**” organized by the P.G. and Research Department of Zoology, Jamal Mohamed College, Trichy on 20th, 21st & 22nd January 2022.
2. Participated in the Webinar on “**Awareness on Safety Measures of Laboratory**” organized by PG & Research Department of Zoology, Vivekananda College, Tiruvedakam West, Madurai, on 29.1.2022.
3. Attended One – day symposium titled” **Current trends in Bioscience** “organized by Centre for DNA Fingerprinting and Diagnostics, Hyderabad on 27th Jan, 2022.
4. Participated **One-Day National Web Talk** on “**Values & Skills for a Good Life**” held on 4th Feb,2022 organized under the aegis of IQAC, St.Xavier’s College of Management & Technology, Patna.

5. Participated **One Day National Level Webinar on “Recent Advances in Toxicogenomics of Herbal Medicines in India”** on 4th Feb 2022, organized by Rajarshi Shahu College of Pharmacy, At.Malvihir, Buldana.
6. Participated One Day Webinar on “**Protein Analysis**” organized by Learntoupgrade recognized by DBT India & NSDC on 19th Feb, 2022.
7. Participated One Day webinar on “**RT – PCR Techniques**” organized by Learntoupgrade recognized by DBT India & NSDC on 26th Feb, 2022.
8. Attended the **International Course online on “Research Ethics in Higher Education”** organized by IQAC, Rani Anna Govt.college for women, Trinulveli & Globethics.net India on 14th – 17th Feb, 2022.
9. Participated in Online Webinar on the Theme: “**Integrated Approach in S&T for Sustainable Future**” held on the Occasion of the National Science Day on 28th Feb, 2022 organized by JNU ENVIS RP.
10. Participated in the “**International Workshop on Microalgal Technology**” organized by Marian Star Center, Department of Botany, St.Mary’s College (Autonomous), Thoothukudi, sponsored by the Dept. of Biotechnology, NewDelhi from 16th to 18th Feb, 2022.
11. Participated in Online Faculty Development Program on “**Emerging Technologies and Teaching pedagogies in Forensic Science**” organized by 360⁰ Forensic Association , Dept.of Forensic Science, Faculty of Science, SGT University, Gurugram from 21st to 25th Feb, 2022.
12. Participated in the **One Day Webinar on “RNA library preparation for sequencing respiratory viruses”** organized by Learntoupgrade recognized by DBT India & NSDC on 5th March 2022.
13. Attended the **International webinar on “Breast cancer & Cervix cancer”** organized by Bhaskaracharya college of Applied sciences, New Delhi on March 8th 2022.
14. Participated in **One week National Level Webinar on” NET, SET, GATE, DBT, ICMR, ASRBand other competitive examinations in Life Sciences”** organized by department of Zoology, Balwant College, Vita, Dist. Sangli (M.S.) India from Monday 18th April to Saturday 23rd April 2022.
15. Participated in Virtual Faculty Development Programme on “ **Recent Trends in Entomology**” (RTE 2022) organized by PG & Research Department of Zoology, V.O.Chidambaram College, Thoothukudi from 28 March to 02 April 2022.
16. Participated in the Webinar on “**Stem Cell Biology**” organized by PG Department of Zoology, Fatima College (Autonomous), Madurai on May 9, 2022.
17. Participated in “**International Webinar on Climate change and Future Challenges**” organized by Marian star Centre, Department of Botany, St. Mary’s College (Autonomous) , Thoothukudi, sponsored by Department of Biotechnology, New Delhi from 3rd – 4th March 2022.
18. Participated in **National Webinar on “Essentials of Bioentrepreneurship and supporting Ecosystem”** jointly organized by the Career Counselling Cell and Department of Biomedical Science, Bhaskaracharya College of Applied Sciences under the aegis of IQAC and DBT Star College Scheme on March 9, 2022.

19. Participated in the 5 day Faculty development Programme on “**Biotechnological Innovations In Health Care**” organized by Marian STAR Centre, P.G. and Research Department of Zoology, St.Mary’s College (Autonomous) Thoothukudi sponsored by the department of Biotechnology, Ministry of Science and Technology, New Delhi from 14th to 18th March 2022.
20. Participated in the International Webinar on “**Recent Trends in Biological Research**” organized by Department of Zoology, M.S.S Wakf Board College, Madurai, on 29.9.2022.
21. _Actively attended **Five-days research workshop** on “**Writing a Review Paper for SCOPUS andSCI Journals**” through online mode on 14/08/2023 to 18/08/2023 organized by Nuhianwali Education Society.
22. Successfully attended **International seminar** on “**Career opportunities in life sciences: employability and entrepreneurship competencies**” on 23rd August, 2023 organized by Department of Zoology, Nirmala college for women (autonomous).
23. Participated in **Two days National Level Faculty Development Program** on “**Management andLeadership skills for Teachers in HEI**” organized by IOT Academy on 21st & 22nd Sep 2023.
24. Participated in “**Advancement of Point of care testing devices in medical Practice and Patient Care**” organized by dept.of Pharmacology, R.C.Patel Institute of Pharmaceutical Education & Research on 30th Sep. 2023.
25. Successfully completed **Three days Faculty Development Program** on “**Research Publication and Ethics in Higher Education**” organised by Udaan Educational Services on 03rd to 05th October 2023.
26. **Four - 4 Weeks International Online Faculty Development Programme** on “**MEDICALLY IMPORTANT BACTERIA (Phase I)**” organized by the Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India in association with Biotechnology Society of Nepal (BSN) and Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janeiro State University (UEZO), Rio de Janeiro, Brazil from 09th October 2023 – 08th November 2023.
27. Participated in **7 days National FDP** on “**Personality Development for Teachers**” organised by IOT Academy on 5th – 13th Oct 2023.
28. Participated in A multidisciplinary Online one-day **National Workshop** on “**Skills for Research Paper Writing and Publication**” organized by under the LINKAGE of Library and Information Center in Arts, Commerce and Science College, Kille-Dharur, Dist. Beed and Arts, Science and Commerce College, Ambad, Dist. Jalna held on 25th October 2023.
29. Attended **69th Wildlife Week Celebration** at Central Academy for Stare Forest Service, Coimbatore on 6.10.2023.
30. Participated in **National Webinar** on “**Interdisciplinary Approaches in Biology**” organized by PG & Research centre of Zoology, Jayaraj Annapackiam College, Periyakulam, Christ college,Irinjalakuda, Kerala, on 6th Dec 2023.
31. Participated in one hour “**Webinar on Coding for Educators**” conducted by upEducators on 10.10.2023.
32. Participated an **International Online Certificate course** on “**Professional skills**” organised

by Microbiologists society, on 6th - 15th Dec 2023.

33. Participated in 2 days Faculty Development Programme on “**Evaluation Strategies & Classroom Management Skills**” organized by IQAC, Michael Job Memorial College of Education for Women, Coimbatore, on 5th & 6th Feb 2024.
34. Attended One Day Workshop on “**Techniques in Biomolecular Analysis**” at CBNR, Coimbatore on 23.2.2024.
35. Participated in 7 days Virtual FDP on “**Recent Scenario in Biological Science**” organized by PG & Research Dept. of Zoology, V.O.C., Chidambaram, Thoothukudi from 12.2.2024 – 18.2.2024.
36. Participated in **National Level Online** Conference on “**Environmental pollution and Land Restoration**” organized by Council for Science and Development and BPT Publications, Dharmapuri, Tamilnadu, on 10.6.2024.

PROFESSIONAL EXPERIENCE:

- Acted as Organizing Committee member in **State Level Intercollegiate Meet** on “**Recovering Key Species for Ecosystem Restoration**”, Fatima College, Madurai on 18th October 2022.
- Acted as Organizing Committee member in **International Conference** on “**Precision Nutrition and Health: Foresight Future of Disease Prediction and Prevention**”, Fatima College, Madurai on 20th December 2022.
- Co-opted member in Nation Services Scheme from 2023.
- Member of Research Cell from 2023.
- Acted as a Question paper setter for Bharathiyar University, Madura College, SVN College and Lady Doak College, Madurai.
- Attended One day BEE KEEPING Training at Dept. of Entomology TamilNadu Agricultural University (TNAU), Coimbatore on 7.9.2023.
- Acted as a **CHIEF EDITOR** in Book titled as “**RECENT DEVELOPMENTS IN LIFE SCIENCE**” published by **Innovation Online Training Academy IOT, ISBN Number: 978 – 93 – 93622 – 38 – 9.**

DETAILS OF PAPER PUBLICATIONS:

- **Marine Fungi as a Source of Secondary Metabolites of Antibiotics.** Manimegalai, K., Asha Devi, N.K. and Padmavathy, S. (2013). *International journal of Biotechnology and Bioengineering Research*, **4** (3): 275 – 282. ISSN 2231-1238.
- **Novelty and Characterization of Microtubule Associated Protein involved in Cellulose Biosynthesis.** Sasirekha, N., Mumtaz, M., Manimegalai, K., Sheela, P. and Karthigeyan, M. (2024). *Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences*, **10** (1): 90 – 110. ISSN 2454 - 6348.
- **Progress in Therapeutic Plant Antimicrobial Activity: A Recap of Obstacles and Prospects for the Future.** Dr.K.Manimegalai, Dr.E.Emimal Victoria, Dr.C.Rani Vijaya, Dr.S.Anjanapriya. (2024). *Zeichen Journal*, **10**(5): 26 – 50. ISSN 0932 – 4747.

DETAILS OF PATENT FILED:

- **PATENT** filed – Application Number 407184-001, 10.02.2024 - “**Animal Type Detection Device**”

AWARDS:

- “**MOTHER TERASA PEACEFUL AWARD 2024.**”
- **BEST ENVIRONMENT HERO AWARD 2024.**
- “**INTERNATIONAL EXCELLENCE AWARD**” – **Best Educationist of the Year 2024**

PERSONAL PROFILE:

Name	:	Dr. K.Manimegalai
Date of Birth	:	10-10-1987
Gender	:	Female
Nationality	:	Indian
Religion	:	Hindu
Marital Status	:	Married
Languages Known	:	Tamil, English
Qualification	:	B.Sc; M.Sc; M.Phil; Ph.D., [ZOOLOGY]

EXPERIENCE:

1. (2.7.2017 to 20.3.2020) Assistant Professor, Department of Optometry, **Anna School of Science and Management**, Pasumalai, Madurai – 4.
 2. (9.8.2021 to 10.02.2023) Assistant Professor, Department of Zoology, **Fatima College**, Madurai- 18.
 3. GL – **Guest Lecturer** in the Dept.of Zoology at **Raja Doraisingam Govt.Arts College**, Sivagangai from (10.02.2023 to 14.06.2023).
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