

## RESUME

**Dr. K. MANIMEGALAI M.Sc., M.Phil., Ph.D., DCA, DTP.**  
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### 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.	<b>Ph.D</b> 2012 – 2015	Thiagarajar College, Madurai.	Zoology	-	Awarded 15 - 11 - 2017
2.	<b>M.Phil</b> 2010 – 2011	Thiagarajar College, Madurai.	Zoology	I Class with Distinction	84.00%
3.	<b>M.Sc</b> 2008 – 2010	Thiagarajar College, Madurai.	Zoology	I Class with Distinction	83.50%
4.	<b>B.Sc</b> 2005 – 2008	Fatima College, Madurai.	Zoology	I Class with Distinction	89.06%
5.	<b>HSC</b> 2005	Sourashtra Girls Hss, Madurai	Bio-Maths	-	75%
6.	<b>SSLC</b> 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 19<sup>th</sup> and 20<sup>th</sup> 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 7<sup>th</sup> and 8<sup>th</sup> Oct, 2010.
- Participated in the “**International Conference on Advanced materials**” (ICAM-2011), held at **PSG College of technology, Coimbatore** on 12<sup>th</sup> – 16<sup>th</sup> 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 31<sup>st</sup> 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 20<sup>th</sup> Dec 2022.

#### **NATIONAL LEVEL:**

- Presented a paper entitled “**Exploration of a Biosurfactant from Marine Bacterial Organisms**” held at **SRM University**, Chennai on 18<sup>th</sup> Dec 2012.
- Presented a paper entitled “**Potential Biological activities of Marine actinomycetes isolated from Bay of Bengal**” held at Nehru Memorial College, Trichy on 8<sup>th</sup> and 9<sup>th</sup> 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 26<sup>th</sup> and 27<sup>th</sup> 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 5<sup>th</sup> and 6<sup>th</sup> 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 6<sup>th</sup> Oct, 2010.
- Actively attended the one day workshop on “**Research Philosophies and Methods**” held at Thiagarajar College, Madurai on 12<sup>th</sup> Jan, 2012.
- Actively participated in Ten days special camping programme on the Theme “**Healthy Youth for Healthy India**” from 26<sup>th</sup> Dec 2006 to 4<sup>th</sup> 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 5<sup>th</sup> Oct 2017.

#### **WEBINARS / 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 20<sup>th</sup>, 21<sup>st</sup> & 22<sup>nd</sup> 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 27<sup>th</sup> Jan, 2022.
4. Participated One-Day National Web Talk on “**Values & Skills for a Good Life**” held on 4<sup>th</sup> 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 4<sup>th</sup> 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 19<sup>th</sup> Feb, 2022.
7. Participated One Day webinar on “**RT – PCR Techniques**” organized by Learntoupgrade recognized by DBT India & NSDC on 26<sup>th</sup> 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 14<sup>th</sup> – 17<sup>th</sup> 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 28<sup>th</sup> 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 16<sup>th</sup> to 18<sup>th</sup> Feb, 2022.
11. Participated in Online Faculty Development Program on “**Emerging Technologies and Teaching pedagogies in Forensic Science**” organized by 360<sup>0</sup> Forensic Association , Dept.of Forensic Science, Faculty of Science, SGT University, Gurugram from 21<sup>st</sup> to 25<sup>th</sup> 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 5<sup>th</sup> March 2022.
13. Attended the International webinar on “**Breast cancer & Cervix cancer**” organized by Bhaskaracharya college of Applied sciences, New Delhi on March 8<sup>th</sup> 2022.
14. Participated in One week National Level Webinar on” **NET, SET, GATE, DBT, ICMR, ASRB and other competitive examinations in Life Sciences**” organized by department of Zoology, Balwant College, Vita, Dist. Sangli (M.S.) India from Monday 18<sup>th</sup> April to Saturday 23<sup>rd</sup> 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 3<sup>rd</sup> – 4<sup>th</sup> 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 14<sup>th</sup> to 18<sup>th</sup> March 2022.
20. \_Actively attended five-days research workshop on “**Writing a Review Paper for SCOPUS and SCI Journals**” through online mode on 14/08/2023 to 18/08/2023 organized by Nuhianwali Education Society.
21. Successfully attended International seminar on “**Career opportunities in life sciences: employability and entrepreneurship competencies**” on 23<sup>rd</sup> august, 2023 organized by Department of Zoology, Nirmala college for women (autonomous).
22. Participated in Two days National Level Faculty Development Program on “**Management and Leadership skills for Teachers in HEI**” organized by IOT Academy on 21<sup>st</sup> & 22<sup>nd</sup> Sep 2023.
23. 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 30<sup>th</sup> Sep. 2023.
24. Successfully completed **Three days Faculty Development Program** on “**Research Publication and Ethics in Higher Education**” organised by Udaan Educational Services on 03<sup>rd</sup> to 05<sup>th</sup> October 2023.
25. **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 09<sup>th</sup> October 2023 – 08<sup>th</sup> November 2023.
26. Participated in **7 days National FDP** on “**Personality Development for Teachers**” organised by IOT Academy on 5<sup>th</sup> – 13<sup>th</sup> Oct 2023.
27. 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 25<sup>th</sup> October 2023.
28. 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 6<sup>th</sup> Dec 2023.
29. Participated An International Online Certificate course on “**Professional skills**” organised by Microbiologists society, on 6<sup>th</sup> - 15<sup>th</sup> Dec 2023.

**PROFESSIONAL EXPERIENCE:**

- Acted as Organizing Committee member in **State Level Intercollegiate Meet** on “**Recovering Key Species for Ecosystem Restoration**”, Fatima College, Madurai on 18<sup>th</sup> 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 20<sup>th</sup> 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.

#### **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.”**

#### **AWARD:**

- Received **“MOTHER TERASA PEACEFUL AWARD 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>B.Sc; M.Sc; M.Phil; Ph.D., [ZOOLOGY]</b>

**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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