

CURRICULUM VITAE

Dr. S. UMA RAJESWARI

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ACADEMIC TRACK RECORDS

Ph.D. Zoology	Scott Christian College (Autonomous) (Manonmaniam Sundaranar University)	Awarded (2017)	2010-2015
M. Phil Zoology	Scott Christian College (Autonomous) (Manonmaniam Sundaranar University)	75.20%*	2007-2009
M.Sc. Zoology	Scott Christian College (Autonomous) (Manonmaniam Sundaranar University)	65.19%*	2005-2007
B.Sc. Zoology	S.T.Hindu College (Manonmaniam Sundaranar University)	67%*	2000-2003
H.S.C.	S.M.S.M Hr. Sec. School, Suchindrum (State board)	61.33%*	2000
S.S.L.C.	Government High School, North Thamaraiikulam	69.2%*	1998

(State board)

*First class

AREA OF INTEREST

- Microbiology
- Sericulture
- Biochemistry
- Biotechnology
- Immunology
- Radiation Ecology

TECHNICAL SKILLS

1. Basic Microbiological Techniques (Isolation, Culture and Bioassay).
2. Development of Screening bioassays (Antimicrobial assays)
3. Basic Biochemical Techniques (TLC, Column Chromatography, SDS-PAGE).
4. Extraction of EPS.
5. Assessment of Radionuclides (^{210}Po , ^{210}Pb).
6. Statistical Analysis of Data.

OTHER EXPERIENCE

- Training Programme on “**Microbiological and Biochemical Techniques**” at Metro scans and Laboratory (A Unit of Travancore Health Care Pvt Ltd), Trivandrum during January 2010 to July 2010.
- **Orientation programme** attended at University of Madras during 08th November 2018 to 5th December 2018.

- **Inter disciplinary refresher Course** in Environmental studies attended at Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), New Delhi 15-7-2021 to 29-7-2021.
- Participating as an **Evaluator for science projects** on October 2018 held at District Science Centre.
- **NAAC** committee member in criteria II (Teaching Learning and Evaluation) at Pasumpon Muthuramalinga Thevar College.
- Member of **National institute for technical training and skill development.**

TEACHING EXPERIENCE

- Worked as an Assistant Professor at **Sri Ram Nallamani Yadava College of Arts and Science**, Department of Microbiology during 1st April 2015 to 31st December 2016.
- Working as an Assistant Professor at **Pasumpon Muthuramalinga Thevar College**, Department of Zoology from 28th August 2017 to till date.

RESEARCH EXPERIENCE

- Done project on “**Potential of bacterial biofilms in generating bioactive compounds**” at Department of Zoology, Scott Christian College (Autonomous), Nagercoil during January 2010 to March 2015.
- Done a project work on “**Activity concentration and internal alpha dose of the radionuclide ²¹⁰po to selected intertidal molluscs of Kudankulam coast**” at Department of Zoology, Scott Christian College, Nagercoil during June 2008 to July 2009.
- Done the project work on “**Evaluation of steaming time on stability and nutrient loss in formulated fish feed**” at Department of Zoology, Scott Christian College (Autonomous), Nagercoil during June 2006 to April 2007.

PhD SCHOLARS UNDER THE GUIDENCE

- Two research candidates **R. Siva Sakthi and M. Uma Maheshwari** under the guidance of PhD .

PEER REVIEWED and UGC APPROVED JOURNAL PAPERS PUBLISHED

Uma Rajeswari. S. and Selvaraj, D. 2013. Total bacterial count in fresh water biofilm using different panels. *Journal of Basic and Applied Biology*, **7**(1): 197-199.

Ferozkhan, M., **Uma Rajeswari, S.** and Godwin wesley, S.2011.Biomonitoring ²¹⁰po and ²¹⁰pb in marine brachyuran crabs collected along the coast of Kudankulam, Gulf of mannar (GOM), India. *J.Environ.monit.*, **13**: 553-562.

Uma Rajeswari, S and D. Selva Raj, 2017.Water quality analysis of two

different aquatic media. *International Journal of Fauna and Biological Studies*, 4 (4): 162 – 165.

Uma Rajeswari, S. and D. Selva Raj. 2017. Biochemical analysis of Biofilm EPS formed in different coupons immersed in two different aquatic media. *International Journal of Multidisciplinary Research and Development*, 4 (7): 248 – 252.

Uma Rajeswari.S and Selvaraj.D .2021. Identification of bioactive mixtures from Biofilm EPS separates utilizing various coupons in two aquatic media. *Journal of plant science and research*. 8(1). 1-6.

Uma Maheshwari.M. and **Uma Rajeswari.S.**2021.A review on some heavy metals toxicity on Haematological parameters in fresh water fishes. *Uttar Pradesh journal of zoology*,42(10):54-65.

Sivasakthi,R. and **Uma Rajeswari.S.**2021.Use of fish epidermal mucus as an antimicrobial Agent-A review. *Uttar Pradesh journal of zoology*.42(21):1-13.

Uma Rajeswari.S.2021.Studies on Antibacterial effect of Garlic (*Allium sativum*), Ginger (*Zingiber officinale*), Onion (*Allium cepa*) and Mango (*Mangifera indiga*) against few bacterial pathogens.8(12):ISSN:2349-5162.

Uma Rajeswari, S. 2022.Assessment of streaming time on stability and nutrient loss in formulated fish feed. *International Journal of current science*.12(1), ISSN:2250-1770.

BOOKS PUBLISHED

Uma Rajeswari. 2020. Bio Monitoring of 210po and 210pb in marine crabs. Marine Nutraceuticals; Challenges and Opportunities. Book No: 978-93-5279-062-3.

Uma Rajeswari, S and Anbu Radhika, S.2021.Phytoplankton and Zooplankton Diversity in Melaneelithanallur pond at Tenkasi,Tamilnadu,India. In:Biodiversity conservation and sustainable development., Dharmar.K and Mary Sugin.R(Eds). Published by research department of botany, Paumpon Muthuramalinga Thevar Memorial College.Kamuthi,pp:1-429.

CONDUCTED SEMINAR

- Actively conducted the seminar on “**Corona Virus and Its Impact on Humans**” held on 19th February 2020 in Pasumpon Muthuramalinga Thevar College, Melaneelithanallur.

SEMINARS/CONFERENCES PRESENTED

- Participated and presented a paper in National seminar on “**Miracle Microbes**” held on 25th September 2018 organized by Research Department of Microbiology, V. H. N. Senthikumara Nadar College, Viruthunagar.
- Participated and presented a paper in International Conference on “**Innovative Research in Biological Sciences**” held on 9th January 2019 organized by Research Department of Zoology, Pasumpon Muthuramalinga Thevar College, Melaneelithanallur.

- Participated and presented a paper on national seminar on **“Sustainable Development through Biodiversity Conservation”** held on 23rd February, 2019 at St.Thomas College, Ranni, Kerala.
- Participated and presented a National symposium on **“Recent trends and advances in biology”** held on 03.03.2022 organized by Department of zoology, Paramakalyani college.
- Participated and presented a oral virtual presentation entitled **“Studies on Antibacterial effect of Garlic (*Allium sativum*), Ginger (*Zingiber officinale*), Onion (*Allium cepa*) and Mango (*Mangifera indiga*) against few bacterial pathogens”** held on 18-12-2021 organized by Department of zoology, Sant Rams Arts, Commerce and Science college. Ghansawangi, Jalna.
- Participated and presented a oral virtual presentation entitled **“Assessment of streaming time on stability and nutrient loss in formulated fish feed”** held on 25-02-2022 organized by Department of botany, Sant Rams Arts, Commerce and Science college. Ghansawangi, Jalna.

SEMINARS/CONFERENCES/WORKSHOPS ATTENDED

- Participated in a State Level Seminar on **‘Baseline studies on Kudankulam Environment’** held on December 11, 2008 organized by the Department of Zoology, Scott Christian College, Nagercoil.
- Participated in the State Level Seminar on **‘Vector borne diseases and innovative control’** held on 14th December 2010 organized by the Department of Zoology and Research centre, Scott Christian College, Nagercoil .

- Participated in the State Level Seminar on ‘**Problems and Prospects of aquaculture**’ held on 18-8-2014 organized by the Department of Zoology and Research centre, Scott Christian College, Nagercoil .
- Participated in the State Level Seminar on ‘**Emerging Trends in Biology**’ held on 27-8-2013 organized by the Department of Zoology and Research centre, Scott Christian College, Nagercoil .
- Participated in the UGC sponsored State Level Seminar on ‘**Women and child rights , Situational analysis, Rescue, Rehabilitation and Regeneration**’ held on 4th and 5th July 2014 organized by the Department of Zoology and Research centre, Scott Christian College, Nagercoil .
- Participated in the State Level Seminar on ‘**Energy Conservation in Rural Households**’ held on 15th February 2013 organized by the Department of Zoology and Research centre, Scott Christian College, Nagercoil.
- Participated seminar on ‘**National education policy-2019 Tamilnadu perspective**’ 13th July 2019 organized by Pasumpon Muthuramalinga Thevar College, Melaneelithanallur.
- Participated in the workshop on “**Training in commercial forming of spirulina and it’s value addition**” which is organized by Department of Botany, Paumpon Muthuramalinga Thevar college, Melaneelithanallur.
- Participated in the IInd National workshop on “**Research Methodology and Data analysis Using SPSS**” organized by PG and Research Department of commerce , Pasumpon Muthuramalinga Thevar College, Melaneelithanallur.

ONLINE FACULTY DEVELOPMENT PROGRAMME

Participated two weeks online Faculty Development Programme on **“Advanced Concepts Of Developing MOOCS”** conducted from 2nd July to 17th July ,2020 organized by Teaching Learning Centre Ramanujan College University of Delhi.

Participated five days online Faculty Development Programme on **“Indigenous Knowledge Systems and Modern Education”** conducted from 25th may 2020 to 29th may 2020 organized by Sree Ayyappa College for women and Shiksha Sansskriti Utthan Nya

Participated three day on line course on **“Apiculture”** conducted from 13th may to 15th may 2020 organized by Ayya Nadar Janaki Ammal College.

Participated three days faculty development programme on **“Preparation for NAAC”** conducted from 21st September to 23rd September organized by Department of commerce,Ayya Nadar Janaki Ammal College.Sivakasi.

ONLINE WEBINAR PARTICIPATED

- Participated Webinar on **Dream big** conducted from June 2020 organized by V.O.Chidambaramn college, Thoothukudi.
- Participated Webinar on **Pesticides and pollinators** conducted from June 2020 organized by Rajapalayam Raju’s college, Nature club.
- Participated Webinar on **Role of science and agriculture towards global food security and rural development** conducted from June 2020 organized by Shri Krishna University.

- Participated Webinar on **Jungle jokers-A conservation effort by wild life SOS** conducted from June 2020 organized by Rajapalayam Raju's college, Nature club.
- Participated Webinar on **X-fragile chromosome in human** conducted from July 2020 organized by Michael Job college of arts and science for women.
- Participated Webinar on **Amphibians and reptiles of Indian peninsula** conducted from May 2020 organized by Rajapalayam Raju's college, Nature club.
- Participated webinar on **Antiviral marine macroalgae sulphated polysaccharides to boost immunity as well as active against respiratory infections** conducted on June 2020 organized by V.O.Chithambaram college.
- Participated webinar on **Biodiversity conservation with special reference to agro biodiversity** conducted on June 2020 organized by V.O.Chithambaram college.
- Participated webinar on **Influence of climate change on biodiversity resources** conducted on May 2020 organized by V.O.Chithambaram college.
- Attended the one day international webinar on **Steps towards Environmental Sustainability** held on 25th September,2021 organized by botany department, Saint Francis De Sales College,Nagpur.
- Effectively participated in one day seminar on **Apiculture : An overview** held on 30th September 2021 jointly organized by Department of zoology and ecoclub, Arignar anna government arts and science college.
- Participated in the international webinar on **Scope and opportunities in Aquaculture** held on 9th December 2021 Organized by PG and Research department of zoology ,The New college ,Chennai.

- Participated one day international webinar on **Protein Translation with polysome profiling** held on 11th December 2021 Organized by the PG and Research Department of Biochemistry, Sri Akilandeshwari women's college.
- Participated online webinar on **Ethics in education** conducted on 16th December organized by UGC-Human Resource development Centre, Gujarat University, Ahamedabad.

COMPUTER KNOWLEDGE

1. MS Office.
2. Good typing Skill and Basic Internet Knowledge.

INDUSTRIAL VISIT

1. Visited Central Institute of Brackish Water Aquaculture (CIBA), Chennai.
2. Visited Zoological Survey of India (ZSI), Chennai.
3. Visited Environmental Survey Laboratory (ESL), Health Physics Division, BARC, Kalpakkam.

PERSONAL DETAILS

Name : **S. UMA RAJESWARI**

Father's Name : S.SIVAN

Date of Birth : 15th June 1983

Address for communication : 3, Kambalthamman kovil street,
Veeravanallur,
Ambasamudrum Taluk,
Tirunelveli- 627 356.

Contact number : 7373503579

Religion : Hindu
Email : umarajeswari20@gmail.com
Languages Known : English, Tamil
Nationality : Indian
Marital Status : Married