

**Dr. H. VAJIHA BANU**  
M.Sc. M.Phil., DMLT, Ph.D.

No. 17/76, 2<sup>nd</sup> Main Road,  
Near Sundar Nagar Hostel Stop,  
Renga Nagar, Trichy – 620 021  
email: h.vajihabanu@gmail.com  
Mobile No: 097895 68224.

## SYNOPSIS

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### PROFESSIONAL EXPERIENCE

- About 14 years of experience as a Asst. Prof. in the field of Microbiology.
- About 2 years of experience as Faculty in field of Software Testing and Bio-Tech

### BOOK PUBLISHED

- Published 3 books at LAP LAMBERT Academic Publisher,
- Microbiological Studies on Diabetic Wound (ISBN: 978-3-8456-9750-7),
- Bacteriostatic Potential on Oscillatoria limosa from River (ISBN: 978-3-8465- 2884)
- Immunology (ISBN: 978-3-8484-0710-1)

### PAPER PUBLISHED

1. K. Chitra devi , **H. Vajiha Banu (2020)** Phycoremediation and Bioremediation- Combined effects on dairy effluent treatment with cyanobacteria and *Pseudomonas Sp.* *CLIO An Annual Interdisciplinary Journal of History Vol-06 Issue-2 April 2020. ISSN: 0976-075X*

2. **VajihaBanu Habeeb Mohamed Raja**, Raja Arunprasath, Gajalakshmi Purusothaman. Biological treatment of azo dyes on effluent by *Neurospora sp* isolated and adopted from dye contaminated site. *The Journal of the Textile Institute (2019) ISSN:0040-5000*

3. G. Manigandan, A.Raja, **H. Vajiha Banu**, P. Gajalakshmi Isolation of pesticide degrading bacteria from Paddy fields and evaluation of its bioremediation potential efficiency. *Malaysian Journal of Soil Science (2019) ISSN: 1394-7990*

4. **Dr. H. Vajiha Banu** , Dr. A. Raja and Ayisha Chithika N (2019) Utilization of paddy straw extract as cellulose substrate for the production of bioethanol using cellulolytic *A.niger*. *The Indian Journal of Basic and Applied Research 4(2):181-185*

5. Dr. A. Raja, **Dr. H. Vajiha Banu** & A. Parveen. (2019) Isolation and Testing of Sulphate Reducing Bacteria and Its iron Bioleaching Efficiency on Pyrite. *International Journal of Research and Analytical Reviews. 6(2):510-514*

6. H.M. Nilofer Nisha,P. Kavitha, **H. Vajiha Banu (2019)** Study On Heavy Metal Tolerance Microbial Diversity Among Leather Industry Sludge. International Journal of Research and Analytical Reviews (IJRAR),.6(2): 863-869

7. **H.Vajiha Banu** A.Raja and Gajalakshmi P (2019). Antibacterial Property of Protein and Lipid from *Pleurotus ostreatus* against *Ornithobacterium* sp infection on poultry. *Mushroom society of India*.Volume 28.,Issue1Pages47-51.

8. **H. Vajihabanu** , M. Kannahi and D. Angelin Mary. Fungal Diversity of High energy Battery effluents soil samples of Avoor Thiruchirappali. International Journal of Recent Scientific Research 7( 1):. 8369-8372 (2016) .

9. **H. Vajihabanu** , M. Kannahi and D. Angelin Mary. Analysis of Physico-Chemical Parameter, Heavy Metal Content and microbial load in Battery Industry Effluent. Int. J. Pure App. Biosci. 3 (6): 81-86 (2015).

10. **Vajihabanu, H** and Kannahi, M. (2016) Tolerance and biosorption studies on heavy metal by filamentous fungi from battery effluent soil. International Journal of Current Research. 8,(02):.26376-26378

#### **RESOURCE PERSON**

- Provided a Guest Lecture on ‘Recent Trends in Bioscience’ at Srinivasan College of Arts and Science, Perambalur on Jan’2018

#### **WORKSHOP/SEMINAR/CONFERENCE**

#### **PAPER PRESENTED**

1. Presented a paper entitled Biosynthesis of CaCO<sub>3</sub> nanoparticle by *B.megatarium* and its crack healing property on Recent trends in Biological science during 15 Feb’ -2018 at Dhanalakshmi Srinivasan College of Arts and Science, Perambalur.
2. Presented a paper entitled “Effect of Hydrogen Ion Concentration on Heavy Metal Degradation” in International Seminar held on Feb’ 9-2018 at Dhanalakshmi Srinivasan College of Arts and Science, Perambalur.
3. Presented a paper entitled “Studies on biodegradation of heavy metals’ in International Seminar held on 12<sup>th</sup> September 2017 at Sengamala Thayaar Education Trust Women’s College, Mannargudi, Tamilnadu, India.
4. Presented paper at the National Seminar on Bacteriostatic Potential of *Ocillatoria*

*limosa* from River at Sengamala Thayaar Education Trust Women's College, Mannargudi.2013

5. Presented paper at the International Seminar on Heavy Metal Degradation at Sengamala Thayaar Education Trust Women's College, Mannargudi.-21<sup>st</sup> Jan 2012

## **PARTICIPATION**

1. Staff enrichment Programme on ownership culture on 14-06-2019 organized by IQAC, Jamal Mohamed College, Trichy.
2. Participated at "UGC CPE Sponsered Two-Day Workshop on professional Development for Academic Leadership in Curriculum Design organized by Curriculum Development Cell " on 18<sup>th</sup> & 19<sup>th</sup> January 2019 at Jamal Mohamed College, Trichy.
3. Participated at "Lecture Workshop on Innovations and Challenges in Bio scences" held on 18<sup>th</sup> to 20<sup>th</sup> sep' 2018 at J.J. College of Arts Science , Pudukkottai, Tamilnadu, India.
4. Participated at the International Seminar for Emerging Trends in Biological Research held on 3<sup>rd</sup> Mar'2018 at Jamal Mohamed College, Trichy.
5. Attended one-day Workshop on PCR and Electroporation at Metrohm Private Limited, Adayar, Chennai.
6. Workshop on 'Improving teaching practices- A strategic approach' during 23-06-2018, IQAC, , Jamal Mohamed College, Trichy.
7. Participated online faculty enrichment programme from 21.06.2021-25.06.21 organized by IQAC, Jamal Mohamed College, Trichy.
8. Participated in the Webinar on "Bacterial Virulence: Perceptive and Pragmatic approach" held on 5th May 2020 organized by Department of Microbiology, Indian Academy Degree College-Autonomous, Bangalore, India.
9. Participated in the International Webinar on Art of writing Research Review/Articles for Publishing in Peer Reviewed Journals organized by IQAC MES College Erumely on 25 May 2020.
10. Participated in the Online International Faculty Development Programme on Establishing Research Beyond The Horizon organized from 26th to 30th May, 2020 by the Research and Development Centre, N.K.T. National College of Education for Women, Chennai, Tamil Nadu, India.
11. Participated in a live webinar session on 9 th May 2020, hosted by the Dept of Microbiology, SBDCH, Chennai-600100.

12. Participated the International webinar on 'Researching and Writing a Masters Dissertation' Organised By PG Department of Chemistry and Microbiology, Seth Kesarimal Porwal College of Arts and Science and Commerce, Kamptee Nagpur, Maharashtra India held on 25th May 2020.
13. Participated in the International Webinar on Biodiversity and Climate Change: An Intimate Dynamic Relationship organised by the PG & Research Department of Botany, V.O.Chidambaram College on 24.06.2020.
14. Participated in the WEBINAR titled "Metal Complexes to Metal Nanoparticles For Efficient Catalysis" presented by Dr. D. Suresh on 28-05-2020 organised by School of Chemical and Biotechnology, SASTRA Deemed to be University.
15. Participated in the WEBINAR titled "Career Opportunities in Science" presented by Dr. D. Suresh and Dr. Y. B. R. D. Rajesh on 20-05-2020 organised by School of Chemical and Biotechnology, SASTRA Deemed to be University.
16. Participated in the webinar titled "Entrepreneurship Development" held on 18/05/2020 organized by Department of Management Studies, Department of Commerce and Entrepreneurship Development Cell with Chennai Softech - Technical Partner.
17. Participated in the National Level Online Faculty Development Program on "Innovation and Research Opportunities for Faculty in the New Normal" organized by the Research & Development Cell in association with Internal Quality Assurance Cell (IQAC), held on 5th June 2020.
18. Participated on Online WorkShop on RT-PCR in association with Thermo Fisher Scientific on 11 May 2020.
19. Participated in the Three days Faculty Development Programme on Digital Tools For Active Teaching, Evaluation and Research organized by Department of Chemistry from 28.06.2021 to 30.06.2021 SRI GVG VISALAKSHINCOLLEGEFOR WOMEN (Autonomous) Udumalpet, Tamil Nadu.
20. Participated in the International Faculty Development Programme on Current Technology in Chemistry (23.08.2021 to 27.08.2021) organized by Department of Chemistry Easwari Engineering College (Autonomous) Ramapuram.

### **AWARDS**

1. Received appreciations for NPL-Based Faculty Empowerment Programme organized by IQAC held on 17,19 & 20 June-2017 at Jamal Mohamed College, Trichy.
2. Received appreciations and awards for the service in Exnora and Youth Exnora International held on Dec'15/2016 at Trichy.

## **EVENTS ORGANIZED IN LEADING ROLES:**

### **Seminars /Conferences/Workshop/Events Organized:**

- 1. Organizing Secretary of 2<sup>nd</sup> International Webinar on Microbes and Neoteric Research (IWMNR-2020) in association with Microbiologist Society, India held on 22 December 2020.**

## **PROFESSIONAL TEACHING WORK EXPERIENCE: 14 YRS**

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Technical Working Experience : 2 years 6 months

- ✓ **Dhanalakshmi Srinivasan Arts & Science College, Perambalur, Tamil Nadu**  
Designation – **Lecturer in Microbiology**  
Period – July 2001 to June 2003
- ✓ **M.I.E.T College of Arts & Science, Trichy, Tamil Nadu**  
Designation – **Lecturer in Microbiology**  
Period – July 2005 to June 2007 and June 2011 to June 2017
- ✓ Worked as a Faculty in Software Testing and Bio-Tech at **Software Technology Group, Karve Nagar, Pune.**  
Period – Dec 2008 to Dec 2010
- ✓ Worked as a Customer Care Executive at **Tata Business Support Solutions, Kalyani Nagar, Pune.**  
Period – Dec 2010 to May 2011
- ✓ **Jamal Mohamed College (Autonomous), Trichy, Tamil Nadu.**  
Designation – **Assistant Professor in Microbiology**  
Period – July'17 to till date

## EDUCATIONAL PROFILE

**PhD** (Microbiology) Sengamala Thaayar Educational Trust Women's College, Mannargudi, Tamil Nadu. Feb'18. Highly Commended

**MPhil., (Bio-Technology)**, Bharathidasan University, 2005 – 2006, First Class (78%).

**MSc., (Microbiology)**, Sengamala Thaayar Educational Trust Women's College, Mannargudi, Tamil Nadu, 1999 – 2001, First Class (77.3%).

**BSc., (Microbiology)**, Shrimathi Indira Gandhi College, Trichy, Tamil Nadu, 1996 – 1999, First Class (60.3%).

**HSc** : St. Philomena's Girls Higher Secondary School (65.75%)

**SSLC** : St. Justin Girls Hr Sec School. Palakurichy, (73.8%)

## COMPUTER SKILLS

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**MS Office Softwares** : Microsoft Word, MS Excel.

**Programming Softwares**: C, C++

**Operating Systems**: Windows 7 and 10

## TECHNICAL PROFILE

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Diploma in Medical Lab Technology (DMLT)

Type Writing Lower (English)

## PERSONAL DPROFILE

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Father's Name	:	K. Habeeb Mohammed
Date Of Birth	:	30 <sup>th</sup> June 1979
Nationality	:	Indian
Sex/ Marital Status	:	Female/ Married
Passport Number	:	G9383714
Permanent Address	:	No. 17/76, Renga Nagar 2 <sup>nd</sup> Main Road, Near Sundar Nagar bus stop, Trichy – 620 021. Tamil Nadu.

DATE: 27/09/21

(Dr. H. VAJIHA BANU)