

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

No. 17/76, 2nd Main Road,
Near Sundar Nagar Hostel Stop,
Renga Nagar, Trichy – 620 021
E-mail: .vajihabanu@gmail.com

SYNOPSIS

Professional experience

- About 12 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

Area of Specialization

- Environmental Microbiology
- Medical Microbiology

Book published

Published **three books** at LAP LAMBERT Academic Publishing for

- 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. **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
2. 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
3. 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
4. **H. Vajiha Banu** , 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**) .
5. **H. Vajiha Banu** , 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).

6. **Vajiha Banu, 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.
7. P.Gajalakshmi, A.Raja, **H.Vajiha Banu**. Efficacy of polyketide pigment produced by *Monascus purpureus* and its biological activity. Nutrafoods (2019)2 113-120.
8. H.Vajiha Banu , A.Raja P.Gajalakshmi. Antibacterial property of protein and lipid from *Pleurotus ostreatus* against *Ornithobacterium* infection on poultry. *Mushroom Research* 28 (1):47-51, 2019.
9. **Vajiha Banu Habeeb Mohamed**, Raja Arunprasath and 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).
10. G. Manigandan, A.Raja, **Vajiha Banu H** and Gajalakshmi P. Isolation of Pesticide Degrading Bacteria From Paddy fields and Evaluation of its Bioremediation Potential Efficiency. Malaysian Journal of Soil Science Vol,23: 173-182(2019).

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 "Removal of chromium by Biosorption process using fungi isolated from energy battery effluent soil in National Seminar on "Human Microbiota – An Ecological Approach (Jan'2020)" at St. Joseph's College (Autonomous), Trichy.
2. Presented a Paper entitled "Testing of Plant Growth Promotion by Rhizobacteria on Hydroponics System" in International Seminar on "Microbial Interventions for the Welfare of the Human Beings (MIWHB -2019)" at Sengamala Thayaar Education Trust Women's College, Mannargudi
3. Presented a paper entitled Biosynthesis of CaCO₃ 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.

4. 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.
5. Presented a paper entitled "Studies on biodegradation of heavy metals" in International Seminar held on 12th September **2017** at Sengamala Thayaar Education Trust Women's College, Mannargudi, Tamilnadu, India.
6. Presented paper at the National Seminar on Bacteriostatic Potential (**Jan'12**) at Sengamala Thayaar Education Trust Women's College, Mannargudi.
7. Presented paper at the International Seminar on Heavy Metal Degradation at Sengamala Thayaar Education Trust Women's College, Mannargudi.-21st 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 18th & 19th January 2019 at Jamal Mohamed College, Trichy.
3. Participated at "Lecture Workshop on Innovations and Challenges in Bio sciences" held on 18th to 20th 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 3rd 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.

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

PROFESSIONAL TEACHING WORK EXPERIENCE : 13 YRS

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
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EDUCATIONAL PROFILE

PhD (Microbiology) at Sengamala Thaayar Education Trust Women's College, Mannargudi, Feb'18.

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

MSc., (Microbiology), Sengamala Thaayar Education 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

MS Office softwares: Microsoft Word, MS Excel.

Programing softwares: C, C++

Operating Systems: Windows 7 and 10

TECHNICAL PROFILE

Diploma in Medical Lab Technology (DMLT)

Type Writing Lower (English)

PERSONAL DPROFILE

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

DECLARATION

I hereby declare that, the above mentioned details are all true and correct to the best of my knowledge and belief.

(Dr. H. VAJIHA BANU)