

**Name: Dr. N. Vidhya**

**Designation: Professor**

**Department: Microbiology**

**Qualification: M.Sc., SLET., M. Phil., Ph.D.**

**Experience: Teaching: 22.8 Years    Research: 10 Years**

**Area of Specialization(s): Medical Microbiology**

**Email (Official ID): [vidhya@dmgpasc.ac.in](mailto:vidhya@dmgpasc.ac.in)**



### Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Microbiology	Dr. N.G.P. Arts and Science College, Coimbatore	2017
M. Phil.	Biotechnology	Bharathidasan University	2006
M.Sc.	Applied Microbiology	PSG College of Arts & Science, Coimbatore	1999
B. Sc.	Zoology	PSG College of Arts & Science, Coimbatore	1994

### Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
SLET	Microbiology	Bharathidasan University	2000

### Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	-	-
M. Phil.	7	-

### Research Publications (Indexed)

**International:**

- Sowmiya P., Dr.Vidhya N., Rojamathi K., Balaram P.K., Revathi Satheesh E., TANNASE ENZYME EXTRACTION FROM ASPERGILLUS NIGER UNDER SOLID STATE FERMENTATION USING LEAVES AS THE SUBSTRATE AND THEIR APPLICATION ON ANTIBACTERIAL ACTIVITIES. International Journal of Creative Research Thoughts (IJCRT), Vol 9 issue 5, pp. 312 – 322, 2021(Google scholar)
- Balaram P.K., Dr.Vidhya N., Rojamathi K., Revathi Satheesh E., Sowmiya P., Sabarish T., Mahalingam P. ANTIBACTERIAL AND PHYTOCHEMICAL ANALYSIS OF CUMINUM CYMINUM(CUMIN) AND ILLICIUM VERUM (STAR ANISE) AGAINST CLINICAL PATHOGENS. World Journal of Pharmaceutical Research, Vol 10 issue 6, pp. 938 – 947, 2021(Google scholar/ Index Copernicus/Scopus)
- Rojamathi K., Dr.Vidhya N., Balaram P.K., Revathi Satheesh E., Sowmiya P., Sabarish T., Mahalingam P. ANTIMICROBIAL AND PHYTOCHEMICAL ANALYSIS OF CINNAMOMUM ZEYLANICUM AND ARTEMISIA ABSINTHIUM AGAINST FOOD BORNE MICROBES. World Journal of Pharmaceutical Research, Vol 10 issue 6, pp. 1133 – 1142, 2021(Google scholar/ Index Copernicus/Scopus)
- Revathi Satheesh E., Dr.Vidhya N., Balaram P.K., Rojamathi K., ISOLATION AND CHARACTERIZATION OF LACTOBACILLUS spp. FROM CURD AND ITS APPLICATION IN FOOD INDUSTRY. International Journal of Creative Research Thoughts (IJCRT), Vol 9 issue 5, pp. 196 – 1102, 2021(Google scholar)
- Ponnusamykonar Poovendran, Natarajan Vidhya and Sevanan Murugan, ANTIMICROBIAL SUSCEPTIBILITY PATTERN OF ESBL AND NON ESBL PRODUCING UROPATHOGENIC *ESCHERICHIA COLI* (UPEC) AND THEIR CORRELATION WITH BIOFILM FORMATION. International Journal of Microbiological Research, Vol 4 issue 1, pp. 56 – 63,2013
- Vidhya Natarajan and Sudha Sivasubramanian Singaram, PREVALENCE OF BLA<sub>TEM</sub> GENE IN UROPATHOGENIC *ESCHERICHIA COLI* ISOLATED FROM TERTIARY CARE HOSPITALS IN COIMBATORE, SOUTH INDIA, International Journal of Pharmacy and Pharmaceutical Sciences. 2013. Vol 5 issue 3, pp. 194 – 197,2013 (Indexed in Google scholar/ Index Copernicus)
- Poovendran Ponnusamy, Vidhya Natarajan and Murugan Sevanan, IN VITRO BIOFILM FORMATION BY UROPATHOGENIC *ESCHERICHIA COLI* AND THEIR ANTIMICROBIAL SUSCEPTIBILITY PATTERN, Asian Pacific Journal of Tropical Medicine, pp. 210 – 213, 2012
- P Poovendran, N Vidhya and S Murugan. ANTIMICROBIAL ACTIVITY OF *MIRABILIS JALAPA* AND *DICHTROTACHYS CINEREA* AGAINST *BIOFILM AND EXTENDED SPECTRUM OF BETA LACTAMASE* (ESBL) PRODUCING

UROPATHOGENIC *ESCHERICHIA COLI*, African Journal of Microbiology Research. Vol 5 issue 22, pp. 3620 – 3623,2011

- P Poovendran, N Vidhya and S Murugan. ANTIMICROBIAL ACTIVITY OF *COCCINIA GRANDIS* AGAINST BIOFILM AND ESBL PRODUCING UROPATHOGENIC *ESCHERICHIA COLI*, Global Journal of Pharmacology, Vol 5 issue 1, page No. 23 – 26, 2011 (Index Copernicus)

***National:***

- Vidhya Natarajan and Sudha Sivasubramanian Singaram, PREVALENCE OF BLASHV GENE IN UROPATHOGENIC *ESCHERICHIA COLI* ISOLATED FROM TERTIARY CARE HOSPITALS IN COIMBATORE, SOUTH INDIA, Scrutiny International Research Journal of Microbiology and Bio Technology (SIRJ - MBT), Vol 2 Issue 1, pp. 19 – 24, 2015
- N. Vidhya & S. S. Sudha, PREVALENCE OF BLA CTX – M EXTENDED SPECTRUM BETA LACTAMASE GENE IN UROPATHOGENIC *ESCHERICHIA COLI*, World Journal of Pharmacy and Pharmaceutical Sciences, Vol., 2, issue 6, pp. 6548 – 6558, 2013 (Google scholar/Index Copernicus/Scopus)
- Sathya Jagadeesan, Vidhya Natarajan, Rajitha E Vijayan and Sudha Sivasubramanian Singaram. ANTIBACTERIAL ACTIVITY OF SELECTED PLANT EXTRACTS AGAINST URINARY TRACT INFECTION CAUSING ORGANISMS, Journal of Microbiology and Biotechnology Research, Vol. 3, Issue. 3, pp. 1 – 5. 2013 (Google scholar/ Index Copernicus/Scopus)
- Divya T. Raj, Prabhu N, Yamuna Gowri K, Vidhya N and Jasmine MK. ALLERGIC ECTOPIC CONTACT DERMATITIS WITH HENNA TATTOOS. Archives of Applied Science Research. Vol 2 issue 1, page No. 187 – 190, 2010 (Scholars Research)
- Vidhya N and Angel Jenefa B. A PRELIMINARY ANALYSIS ON THE GROWTH OF *PLEUROTUS ROSEUS* USING COCONUT WATER AS MEDIUM FOR CULTIVATION. Trends in Biotech. pp. 40 – 41, 2010
- Vidhya N and Angel Jenefa B. A PRELIMINARY ANALYSIS ON ANTIOXIDANT ACTIVITY OF *PLEUROTUS ROSEUS* USING COCONUT WATER AS MEDIUM FOR CULTIVATION, Indian Journal of Applied Microbiology ,Vol 11, issue 1, pp. 38 – 41, 2010 (Index Copernicus)

- Murugan S, Anand R, Uma Devi P, Vidhya N and Rajesh K A. EFFICACY OF *EUPHORBIA MILLI* AND *EUPHORBIA PULCHERRIMA* ON AFLATOXIN PRODUCING FUNGI (*ASPERGILLUS FLAVUS* AND *ASPERGILLUS PARASITICUS*). African Journal of Biotechnology, Vol. 6, issue 6, Page No. 718 – 719, 2007 (Google scholar)

#### Presentations in Conference

- ANTIMICROBIAL AND TOXICITY STUDY OF HERBS ON HUMAN PATHOGENS, National Conference at CME National Seminar on Advances in Basic and Clinical immunology, Department of Zoology, Bharathiar University, Coimbatore, 15-Sep 15 & 16 – Sep - 15.
- PREVALANCE OF BLA<sub>TEM</sub> GENE IN UROPATHOGENIC *E.COLI* ISOLATED FROM TERTIARY CARE HOSPITALS IN AND AROUND COIMBATORE, TAMILNADU. National Conference at PSG College of Arts and Science, Coimbatore on 29-Nov 13.
- EVALUATION OF IN *VITRO* EFFICACY OF *CAESALPINIA SAPPAN* LINN. AGAINST ACUTE LYMPHOBLASTIC LEUKEMIA, National Level Seminar on Foodborne pathogenesis and its bio-control, Dr.G.R.Damodaran College of Science, Coimbatore on 10-Jan 19 & 11- Jan-19.

#### Participation in Seminars

- TRANSGENESIS, Avinasilingam University, Coimbatore, 12- Feb- 01.
- BASICS IN BIOINFORMATICS, Dr. G.R Damodaran College of Science, Coimbatore 21- July -01.
- RECENT TRENDS IN BIOTECHNOLOGY, Sengunthar Arts and Science College, 23-Jan-03 & 24 -Jan -03.
- EMERGING TRENDS IN INDUSTRIAL BIOTECHNOLOGY, Vivekanandha College of Engineering for Women, Thiruchengode, 14 Feb-05& 15- Feb- 05.

#### Participation in Workshop

- INTERDISCIPLINARY APPROACH OF RESEARCH IN LIFE SCIENCES, on Department of Zoology, PSGR Krishnammal College for Women, Coimbatore. 19-Dec-14 & 20-Dec- 14.

- CURRICULUM DEVELOPMENT IN WOMEN STUDIES, , at Dr. G. R. Damodaran College of Education, Coimbatore. on 10-Dec-14 & 11- Dec-14.
- PROSPECTS AND CHALLENGES IN ALGAL STUDIES, Department of Botany, Catholicate College, Pathanamthitta, Kerala, 5-Oct-18 & 6- Oct-18.

#### **Participation in Faculty Development Programme**

- QUALITY INITIATIVES IN HIGHER EDUCATION, Dr. N.G.P. Arts and Science College, Coimbatore, 3- Dec-18 to 9 -Dec-18.
- TEAM BUILDING. ICT Academy, Hindusthan College of Arts and Science, Coimbatore, 13-Aug-18 & 14- Aug- 18.
- NLP TECHNIQUES FOR GEN Z STUDENTS, Dr. N.G.P. Institute of Technology, Coimbatore, 21- Apr - 22.

#### **Conference / Seminar / Workshop Organized**

- *Organizing Secretary, One day workshop on techniques in Microbiology for School teachers, Dr. N.G.P. Arts and Science College, Coimbatore, 1- Nov- 06.*
- *Organizing Secretary, One day workshop on Biodiversity-Nurture Nature for our future, on for school teacher guides in association with Tamil Nadu Science Forum and Department of Science and Technology, Dr. N.G.P. Arts and Science College, Coimbatore, 9- Aug-07.*
- *Organizing Committee member, International seminar on Perspectives of Nanotechnology in Medical Applications, Department of Microbiology, Dr. N.G.P. Arts and Science College, Coimbatore, 27- Nov- 21.*

#### **Invited Speaker / Session Chair- Conference / Seminar / Workshop**

- Judge, Quiz, Dr N.G.P College of Education,08-Dec-2015.
- Invited Speaker, Prospectives of Pharmaceutical Microbiology, RVS College of Arts and Science College,Sulur, 09-Jan-2020.
- Invited Speaker, Microbes for human welfare, Department of Clinical Lab Technology Dr N.G.P. Arts and Science College, 01-Feb-2020.

## Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
Indian Journal of Applied Microbiologists	Life-time	-