

Name : Dr. N. Vidhya

Designation : Professor

Department : Microbiology

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

Experience : Teaching - 24 Years | Research - 15 Years

Area of Specialization(s): Medical Microbiology

Email (Official ID): vidhya@drngpasc.ac.in



Academic Qualifications

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

Additional Qualifications

| Dip./Cert. | Area of Specialization | Institution / University / Agency Name | Year |
|------------|------------------------|--|------|
| SLET | Microbiology | Bharathidasan University | 2000 |

Research Guidance

| Programme | No. of Scholars | |
|-----------|-----------------|----------|
| | Completed | Pursuing |
| 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_{TEM} 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 *DICHROTACHYS 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 & 16-Sep-15.
- PREVALANCE OF BLA_{TEM} 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, 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, 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-Jul-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 & 15-Feb-05.

Participation in Workshop

- INTERDISCIPLINARY APPROACH OF RESEARCH IN LIFE SCIENCES, PSGR Krishnammal College for Women, Coimbatore. 19-Dec-14 & 20-Dec-14.
- CURRICULUM DEVELOPMENT IN WOMEN STUDIES, Dr. G. R. Damodaran College of Education, Coimbatore, 10-Dec-14 & 11-Dec-14.
- PROSPECTS AND CHALLENGES IN ALGAL STUDIES, Catholicate College, Pathanamthitta, Kerala, 5-Oct-18 & 6-Oct-18.
- One day Workshop on “OUTCOME BASED EDUCATION”, Dr. N.G.P. Arts and Science College, in association with ipsr solutions limited, 4-Mar-23.

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.
- NATIONAL EDUCATION POLICY – CHALLENGES AND OPPORTUNITIES IN HIGHER EDUCATION SYSTEM, Hindusthan College of Arts & Science, Coimbatore, 13-Feb-23 to 2-Feb-23.

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.

- Organizing Committee member, Role of Multidisciplinary Research in Microbiology for Sustainable Development, Department of Microbiology, Dr. N.G.P. Arts and Science College, Coimbatore, 9-Mar-23 to 10-Mar-23.

Invited Speaker / Session Chair- Conference / Seminar / Workshop

- Judge, Quiz, Dr N.G.P College of Education, 08-Dec-15.
- Invited Speaker, Prospectives of Pharmaceutical Microbiology, RVS College of Arts and Science College, 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.
- Guest Speaker, International Women's Day, "Challenges faced by women in India", Sathyabama Institute of Science and Technology, Chennai, 08-Mar-2023.
- Judge, Oral Presentation, Role of Multidisciplinary Research in Microbiology for Sustainable Development, Faculty of Biosciences, Dr. N.G.P. Arts and Science College, Coimbatore, 28-Mar-2023.
- In house FDP on "Sickle cell anemia", Department of Microbiology, Dr. N.G.P. Arts and Science College, Coimbatore, 19-Jun-2023.

Member in BoS

- Served as University Nominee, UG Board of studies, Microbiology, CMS College of Science and Commerce, Coimbatore-49, Tamil Nadu, India, 2022-2025.

Membership in Professional Bodies

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

Participation in International Online Certificate Course

- Four weeks International Online Certificate Course, "Microbiology Laboratory Techniques", Department of Microbiology, Sacred Heart College, Tirupattur, 04-Sep-03 to Oct-23.