

Name : Dr. V.KEERTHANA

Designation : Assistant Professor

Department : Microbiology

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

Experience : 1 year 1 month

Specialization: Medical microbiology & Environmental microbiology

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Academic Qualifications

Degree	Branch	Institution / University Name	Year
Ph.D.	Microbiology	Dr. N.G.P. Arts and Science College	2022
M.Phil.	Microbiology	Dr. N.G.P. Arts and Science College	2011
M.Sc.,	Microbiology	Dr. N.G.P. Arts and Science College	2009
B.sc.,	Microbiology	Hindusthan college of Arts and Science	2007

Research Publications

- **Keerthana, V., Devakumar, J., & Sudha, S. S. Qualitative analysis of phytochemicals, antibacterial activity, and mycelial growth inhibition of three different plants, *Drug Invention Today*, Vol. 10 (S1), pp. 2713–2718, 2018, ISSN: 0975-7619 (Indexed in Scopus, UGC).**
- **Devakumar, J., Keerthana, V., & Sudha, S. S. Identification of bioactive compounds by Gas Chromatography–Mass Spectrometry analysis of *S. jambos* (L.) collected from Western Ghats region, Coimbatore, *Asian Journal of Pharmaceutical and Clinical Research*, Vol. 10, Issue 1, pp. 364–369, 2017, DOI: <http://dx.doi.org/10.22159/ajpcr.2017.v10i1.15508>, (Indexed in Scopus, UGC).**
- **Keerthana, V., Devakumar, J., & Sudha Sivasubramaniam, S. Inhibition of fungal mycelial growth and spore germination by *Couroupita guianensis* leaf extracts and its preliminary phytochemical analysis, *Indian Journal of Applied Microbiology*, Vol. 20, Issue 1, pp. 21–30, 2017. ISSN(online): 2454-289X, (Indexed in UGC).**
- **Devakumar, J., Sudha, S. S., Keerthana, V., Anitha, S., & Ezhilarasi, R. A study on quantification of phytoconstituents and in vitro antifungal activity of *S. cumini* and**

***S. jambos* leaf extracts**, *World Journal of Pharmacy and Pharmaceutical Sciences*, Vol. 5, Issue 1, pp. 1514–1526, 2015. ISSN: 2278-4357. (Indexed in Google Scholar, Index copernicus)

- Anand, R., Kulothungan, S., & **Keerthana, V.** **In vitro and in vivo assay of selected fungicides against *Aspergillus niger***, *IUP Journal of Life Sciences*, Vol. 4, Issue 1, pp. 7–18, 2010. ISSN: 0973-8487. (Indexed in EBSCO, Scholar 9).
- Anand, R., Aswini, R., Mary Jiji, V. H., & **Keerthana, V.** **Effect of growth media pH and incubation temperatures on the production of proteinases from *Bacillus* sp. 26**, *Asian Journal of Bioscience*, Vol. 4, Issue 2, pp. 216–220, 2009. ISSN 0976-8343 (Indexed in i-scholar).

Presentations in Conference/ Seminar

1. **Antimicrobial activity of three different plants**, National level Conference on Transitional and Translational scenarios in Biological sciences, Dr. NGP Arts & Science College, 9 & 10-Sep-2016
2. **Inhibition of fungal mycelial growth and spore germination by *Couroupita guianensis* leaf extracts**, National level Conference on Sustainability, Challenges and Advances in Biological Science, Muthayammal college of Arts and Science, 18 & 19-Dec-2015.
3. **Phytochemical screening and antimicrobial activity of mycelial growth inhibition of *Couroupita guianensis***, VIII Louis Pasteur Memorial symposium on Causatives and Curatives of Infectious Disease, Dr.NGP Arts & Science College, 18 & 19-Aug-2015.
4. **Invitro and Invivo assay of selected fungicides against *Aspergillus niger***, National level Conference on Perspectives of Biotechnology for Healthcare Development, Dr. NGP Arts & Science College, 29 & 30-Dec-2011.

Participation in Conference/Seminar

- National Conference on Drug Discovery from Medicinal and Aromatic Plants (DDMAP - 2017) at Karpagam University, 2 & 3-Feb-2017.

- National level seminar on Production and Application of Microbial products in Diverse sectors, Selvamm Arts and science college, Namakkal, 6 & 7-Apr-2016.
- State level Conference on Achieving Academic Excellence through Internal Quality Assurance Cell (IQAC), Dr. NGP Arts & Science College, Coimbatore, 9 & 10-Dec-2011.
- National level seminar on Modern Scenario in Nanomedicine, Dr. NGP Arts & Science College, Coimbatore, 22-Sep-2011.
- National seminar on Challenges and Strategies in Human Rights Education at Nirmala college for Women, Coimbatore, 25 & 26-Aug-2011.
- National level Conference on The role of Informed consent in Clinical decisions and Research in Hospitals, Dr. NGP Arts & Science College, Coimbatore, 26-Aug-2011.
- National Symposium on Biopharmaceuticals- their application in Disease Prevention and Health Promotion, Dr. NGP Arts & Science College, Coimbatore, 4 & 5-Aug-2011.

Participation in Workshop

- **International workshop on Health risk assessment of Nanoparticles**, Dr. NGP Arts & Science College, 05-07-Oct-2018
- **Analysis of spectral data**, Dr. NGP Arts & Science College, 30-Jan-2017.
- **LaTeX**, Karunya university, 2-Apr-2016.

Awards/Honors

Awards	Institute	Year
Second in oral Presentation	Muthayammal college of Arts and Science	2015