

FACULTY PROFILE

1. Name : Dr. A. Nithya
2. Designation : Assistant Professor
3. Qualification : M. Sc., Ph. D.
4. Mobile number : 9486145429
5. E-mail id : nithyaa@auxiliumcollege.edu.in
6. Teaching Experience : 5 years and 2 months
- 7. Area of specialization : Plant- Microbe interaction, Molecular Biology, Proteomics and Bioinformatics, Environmental Microbiology and Food Microbiology.
8. Research Experience : 8 Years of Research experience in Vellore Institute of Technology, Vellore and 10 Months as a Research Technician in BioLogic Research Center, Coimbatore.
9. No. of Papers Published : 4 Research papers and 113 sequence published in NCBI
10. No. of Book / Book Chapters published : 1
10. No. of Papers Presented in the National/ International/ Seminars/ Workshops/ Conferences: 4

11. No. of Seminars/Workshops/Conferences organized : 2
12. Membership in professional bodies (Descriptive) : Nature Science Foundation
13. Honors & awards received (Descriptive) : Received Research Awards 2015 for the contribution of Research and Publication in peer reviewed Journals from VIT Institution, Vellore, Tamil Nadu.
- Received Best Paper Award in National Conference on “New Horizons in Plant Biotechnology: Innovative Products and Applications” on the topic - Molecular Analysis for the Detection of Human Pathogenic Bacteria in Salad Vegetables, March 11-12, 2016.
14. No. of Online Courses completed (Minimum of 4 Weeks) : 2

PUBLICATIONS

Publications in Journals

- Madhurima, P., Priyanka, S., Srinath, R., **Nithya, A** and Babu, S., 2. Unusual Occurrence of *Staphylococcus warneri* as Endophyte in Fresh Fruits along with Usual *Bacillus* spp., Journal of Food Safety, ISSN 1745-4565, January – 2013, Vol 33, pp 102-106.

- **Nithya, A.**, Gothandam, K. M. and Babu, S. Alternate ecology of human pathogenic bacteria in fruits and vegetables, Plant Pathology Journal, ISSN 1812-5387, January – 2014, Vol. 13, Issue 1, pp 1-7.
- **Nithya, A.** and Babu, S. Population dynamics of entero-pathogenic bacteria in pulp of salad vegetables, Plant Pathology Journal, ISSN 1812-5387, February - 2015, Vol. 14, Issue 2, pp 65-71.
- **Nithya, A.** and Babu, S. Prevalence of plant beneficial and human pathogenic bacteria isolated from salad vegetables in India, BioMed Central Microbiology, ISSN 14712180, March - 2017, Vol. 17, Issue 64, pp 1-16.
- **Sequence Published:** 113 Sequence published in Gene Bank-NCBI .

Book Chapters

- **Nithya. A.**, Shivani. K and Kothai. S. Genomics, Recent Advances in Microbial Science, JPS Scientific Publications, India, ISBN: 978-81-979376-7-5, 2026, PP: 297-313.

Paper presented in International / National Conferences:

- **Nithya. A** and S. Babu. Occurrence of Human Pathogenic Bacteria in Salad Vegetables- An Environmental Perspective Based on Market Survey and Molecular Analysis. UGC Sponsored National Seminar on India a Hot Spot of Environmental Challenges and Need of the Multidisciplinary Approach to Solve the Environmental Issues, P. V. K. N. Govt. College, Chittoor, December 15-16th, 2015.

- **Nithya. A** and S. Babu. Molecular Analysis for the Detection of Human Pathogenic Bacteria in Salad Vegetables. National Conference on New Horizons in Plant Biotechnology: Innovative Products and Applications, VIT University, Vellore, March 11-12, 2016.
- **Nithya. A** and S. Babu. Bacteriome analysis of Salad Vegetables. National Conference on Futuristic Trends in Biotechnology and Computational Biology, VIT University, Vellore, October 13-14th, 2016.
- **Nithya. A** and S. Babu. Proteomic approach to analyse the molecular interaction of human pathogenic bacteria with South Indian salad vegetables. International Conference on Current Trends in Biotechnology, VIT University, Vellore, December 8-10th, 2016.

Resource Person

- Gave virtual lecture on the topic ‘Bacteriome of salad vegetables: Population dynamics, Molecular interaction and Detection of human pathogenic bacteria’, Microbiologists Society, India, October, 06th, 2024.

Faculty Development Program attended

- Faculty Development Program ‘Latex for Technical Presentations’ organized by Academic Staff College, VIT Institution, Vellore, April 27, 2015.
- National level Intercollegiate Online Faculty Development Program on ‘Outcome Based Education’, Internal Quality Assurance Cell of Auxilium College (Autonomous), Vellore in association with IPSR solutions limited, November 22- 27, 2021.

- ‘Two-Week Online Faculty Development Programme’ on ‘LibreOffice suite Writer, Calc and Impress’, The Board of Management, Auxilium College (Autonomous), Vellore in association with Spoken Tutorial, IIT Bombay, May 26 - June 10, 2022.
- International Faculty Development Online course on ‘Microscopy-An over view’, Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur in association with Microbiologists Society, India; Biotechnology Society of Nepal and Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janeiro State University (UEZO), Rio de Janeiro, Brazil, February 3 - 9, 2023.
- Faculty Development Program on “Advanced Techniques in Research Methodology” organised by PG and Research Department of Commerce in association with IQAC, Patrician College of Arts and Science from 09.04.2024 to 16.04.2024.
- Faculty Development Program on ‘Research, Innovation and Industry connect: Empowering excellence in Education’ organized by Internal Quality Assurance cell (IQAC), Jyoti Nivas College (Autonomous) from 21.04.2025 to 27.04.2025.
- Faculty Development Program on ‘Advanced tools and techniques for Research Methodology Organized by Department of Research and Development in association Institutions, Innovation council, Indra Ganesan Institution, Tiruchirapalli from 03.02.2025 to 08.02.2025.
- Faculty Development Program on ‘Research, Innovation and Industry connect: Empowering excellence in Education’ organized by Internal Quality Assurance cell (IQAC), Jyoti Nivas College (Autonomous) from 21st to 27th April, 2025.
- Faculty Development Program on ‘Empowering Research Integrity & Innovation’ Organized by Committee for Research Ethics, Publication & IPR, Auxilium College (Autonomous), Vellore from 27st October to 2nd November, 2025.

Workshops attended

- Lecture workshop on Mapping, Utilization and Conservation of Bioresources, VIT Institution, Vellore, October 29-31, 2012.
- Workshop on Chromatography, Molecular Biology and Bioinformatics (PCMB’13), VIT Institution, Vellore, June 5-14, 2013.

- Workshop on Scientific Writing, VIT Institution, Vellore, October 30, 2015.
- Lecture Workshop on Mining Metabolites: From Microbes to Plants, VIT Institution, Vellore, August 29-31, 2016.
- National Workshop on Computational Analysis of Molecular data, VIT Institution, Vellore, November 17-18, 2016.
- National Level Online Workshop on “PRIMER DESIGNING”, Department of Biochemistry, Annai Veilankanni’s College for Women, Chennai, July 12, 2021.
- Workshop on “Documentation and Data Management”, IQAC, Auxilium College (Autonomous), Vellore, October 29, 2021.
- Two Days National Level Online Workshop on “Molecular Docking” organized by Nirmala College for Women, Coimbatore in collaboration with Auxilium College, Vellore and Providence College for Women, The Nilgiris, February 20 - 21, 2023.
- Workshop on Artificial Intelligence as a “Magical tool for Teachers and Researchers: Challenges and Opportunities”, IQAC, Sacred Heart College (Autonomous), Thevara, Kochi, July 31, 2023.
- Workshop on ‘Artificial Intelligence as a Magic Tool for Teachers and Researchers: Challenges and opportunities’ organized by IQAC, Sacred Heart College (Autonomous), Thevara, Kochi on 31, July 2023.
- Workshop on ‘Advanced Artificial Intelligence Tool for Educators’ organized by IGNITE Life Skill Academy and IQAC, Sacred Heart College (Autonomous), Thevara, Kochi on 3, December 2023.
- Workshop on ‘Presentation skills and Techniques’ organized by Hi Learn Edutech Institute, Karnataka on 12 to 18 September, 2024.

Seminar / Conference attended

- International Conference on Genomics and Proteomics. National Institute of Technology, Calicut, India, July 14-16, 2011.
- Conference and Workshop on 7th Annual meeting of Proteomics Society, VIT Institution, Vellore, December 3-6, 2015.

- UGC Sponsored National Seminar on India a Hot Spot of Environmental Challenges and Need of the Multidisciplinary Approach to Solve the Environmental Issues, P. V. K. N. Govt. College, Chittoor, December 15-16, 2015.
- National Conference on New Horizons in Plant Biotechnology: Innovative Products and Applications, VIT University, Vellore, March 11-12, 2016.
- National Conference on Futuristic Trends in Biotechnology and Computational Biology, VIT University, Vellore, October 13-14, 2016.
- International Conference on Current Trends in Biotechnology, VIT University, Vellore, December 8-10th, 2016.
- International Virtual Conference on “Walk Together to Care for the Common Home – Earth” Auxilium College (Autonomous), Vellore, January 23, 2021.
- Online Development Programme on "Scientific Publications - Preparation of Manuscript", Annai Veilankanni's College for Women, Chennai, July 14, 2021.

Webinar attended

- Live Webinar Series 3.0 titled “New Education Policy”, Institution's Innovation Council of Dr.N.G.P Institute of Technology, Coimbatore, April 22, 2021.
- Live Webinar Series 3.0 titled “Opportunity For Entrepreneurs”, Institution's Innovation Council of Dr.N.G.P Institute of Technology, Coimbatore, April 24, 2021.
- Live Webinar on “Happiness 2.0”, Knowledge Business School, Salem, June 27, 2021.
- Development Programme on ‘Scientific Publications - Preparation of Manuscript’, Department of Biochemistry, Annai Veilankannis College for Women, July 14, 2021.

- One day National Level online Webinar on “Outcome Based Education”, Internal Quality Assurance Cell (IQAC), Marudhar Kesari Jain College for Women, Vaniyambadi, July 31, 2021.
- National Webinar on “Green Campus Initiatives Towards Sustainable Development”, Internal Quality Assurance Cell (IQAC), Auxilium College (Autonomous), Vellore, July 29, 2023.

Training Programmes attended

- Training programme on Computations and Calculations in Molecular Biology, VIT Institution, Vellore, January 23-24, 2014.
- Intellectual Property training program under National Intellectual Property Awareness Mission Organized by Intellectual Property Office, India, January 25, 2022.

Awareness program Organized

- Organized an awareness program on “Building a Culture of Humanity and Service” in association with Indian Red cross Society, Auxilium College (Autonomous), Vellore, November 26th, 2025.