

FACULTY PROFILE

1. Name: **Dr. Nabila M. I.**
2. Designation: Assistant Professor
3. Qualification: M.Sc., B.Ed., Ph.D.
4. Mobile number: 9894117616
5. E-mail id: nabilamb@auxiliumcollege.edu.in, nabilaimthiyaz@gamil.com
6. Teaching Experience: 4 years 1 month
7. Area of specialization:
 - Actinomycetes
 - Microbial Nanotechnology
 - Purification and Identification of Bioactive Compounds
8. Positions held in Auxilium:
 - Career Guidance and Placement cell member
 - DQAC member
9. Research Experience: 7 years as Research Experience at Vellore Institute of Technology, Vellore

10. No. of Papers Published:	08 Research Papers published, 02 book chapters published, 02 book chapters Accepted, 04 gene sequence published in NCBI and 01 Whole Genome sequence deposited at GenBank, NCBI
11. No. of Papers Presented in the National /International/Seminars/Workshops/Conferences:	5
12. No. of Seminars/Workshops/Conferences organized:	2
13. Membership in professional bodies:	<ul style="list-style-type: none"> • Nature Science Foundation • Indian Initiative for Management of Antibiotic Resistance (IIMAR)
14. Honours & awards received:	Awarded second prize for best oral presentation in one day State-level seminar on ‘Challenges in aquaculture and marine biotechnology’ held at C. Abdul Hakeem college (Autonomous), Melvisharam, Vellore, India held during 24th January, 2017
15. No. of Online Courses completed (Minimum of 4 Weeks):	3 (Libre Office 6.3 Cal, Impress and Writer)

PUBLICATIONS

Publications in Journals

- Rekha V, **Nabila M I**, Samah and Kavitha S, ‘Isolation of Amylase Producing Bacteria from Paddy field Soil’, Ecology, Environment and Conservation, ISSN -0971-765X, 2013, Vol. 19, issue-3, 2013.

- **Nabila M I** and Kannabiran K. ‘Antibacterial activity of soil actinomycetes against fish and shellfish pathogens’, *Research Journal of Pharmacy and Technology*. ISSN. 0974-360X, 2018, Vol. 11, Issue 5, pp 1923-6.
- **Nabila M I** and Kannabiran K. ‘Antagonistic activity of terrestrial *Streptomyces* sp. VITNK9 against Gram negative bacterial pathogens affecting the fish and shellfish in aquaculture’, *Revista de biología marina y oceanografía*, ISSN: 0718-1957, 2018, Vol. 53, Issue 2, pp171-83.
- **Nabila M I** and Kannabiran K. ‘Biosynthesis, characterization and antibacterial activity of copper oxide nanoparticles (CuO NPs) from actinomycetes’, *Biocatalysis and agricultural biotechnology*, ISSN 1878-8181, Jul 2018, Vol. 1, Issue 15, pp 56-62.
- **Nabila M I**, Burgsdorf I, Limlingan Malit JJ, Saha S, Teta R, Ewe D, Kannabiran K, Hrouzek P, Steindler L, Costantino V, Saurav K. ‘Isolation, genomic and metabolomic characterization of *Streptomyces tendae* VITAKN with quorum sensing inhibitory activity from southern India’, *Microorganisms*, ISSN: 2076-2607, Jan 2020, Vol. 8, Issue 1, pp121.
- Saha S, **Nabila MI**, Burgsdorf I, Macho M, Ewe D, Steindler L, Hrouzek P, Kannabiran K, Saurav K. ‘Draft genome sequence of terrestrial *Streptomyces* sp. strain VITNK9, isolated from Vellore, Tamil Nadu, India, exhibiting antagonistic activity against fish pathogens’, *Microbiology Resource Announcements*, ISSN: 2576-098X, Jan 2021, Vol. 10, Issue 1, pp10-128.
- **Nabila M I and** Kannabiran K. ‘*Streptomyces* sp. Vitnk9 derived compound against fish bacterial pathogens’, *Biomedical and Biotechnology Research Journal*, ISSN: 2588-9834, Oct 2022, Vol. 6, Issue 4, pp 494-500.
- **Nabila Mohammed Ishaque** and Krishnan Kannabiran. ‘Bacterial-Chemical Compounds on Fish Microbial Disease Control in Aquaculture: A Systematic Review’, *Letters in Applied NanoBioScience*, Dec 2025 Volume 14, Issue 4, 2025, 262.

Book Chapters Published

- **Nabila Mohammed Ishaque***¹, Kalpana Vellore Nagarajan ¹, Nafeesa Nawab Khan ¹, Jayanarmadha Dhanabalan¹, Gopalakrishnan Loganathan², ‘Strain Development and Optimization Strategies for Maximizing Secondary Metabolite Yield’, Part of series: Progress in Biochemistry and Biotechnology, Book entitled, “*Novel Bioproducts through Metabolic Engineering of Secondary Metabolites*”, Academic Press, Dec 2025, ISBN: 978-0-443-40529-7, DOI: 10.1016/C2024-0-03024-X.

- Nafeesa Nawab Khan and **Nabila Mohammed Ishaque***, Book Chapter entitled, ‘An insight on the genome sequencing of the microbes’, Book entitled, “*Recent advances in microbial sciences*” (ISBN Number: 978-81-979376-7-5) Feb 2026, JPS Scientific Publications, India.

Seminars/ Conference organized

- Virtual Seminar on “The Microfactories: Microbial production of chemicals and pharmaceuticals’, Resource Person: Dr. Lokesh Ravi, Assistant Professor, Department of Botany, St. Joseph’s University, Bangalore.
- Guest lecture on “Magic Melody of Life” on 20.07.2023 in Auxilium College, Vellore.

FDP/ Online certificate courses

- International Faculty Development Online Certificate Course on “MICROSCOPY- AN OVERVIEW (Phase I)” (03.02.2023 to 09.02.2023), Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India 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.
- A Two-Week Online **Faculty Development Programme** on Libre Office suite Writer, Calc & Impress, held at Auxilium College, (Autonomous), Vellore held between 26.05.2022 to 10.06.2022.
- A five-day National level online **Faculty Development Programme** on ‘Beyond boundaries: Driving innovation in research’, (26.12.2024 to 30.12.2024) organized by Auxilium College (Autonomous) Gandhi Nagar, Vellore in collaboration with North East Institute of Social Sciences & Research, Dimapur, Nagaland.
- A Six-day **Faculty Development Programme** on ‘Advanced Tools and Techniques for Research Methodology’, (03.02.2025 to 08.02.2025) organized by Indra Ganesan Institutions Trichy, Tamil Nadu - 620012.

- Online course on Bioanalytical Techniques (Part 1) – Microscopy, Chromatography and Centrifugation (Phase II), (26.04.2024 to 25.05.2024), organized by Sacred Heart college & Biotechnology Society of Nepal & Western Rio Janerio State University, Brazil.
- Online course on Microscopy – An Overview, (03.02.2023 to 09.02.2023), organized by Sacred Heart college & Biotechnology Society of Nepal & Western Rio Janerio State University, Brazil.
- One-day Mushroom Cultivation training Programme on 16.08.2024, at Sun Magic Mushrooms, Anaicut, Vellore.
- International online certificate courses prokaryotes - An overview (Phase - III) (13.11.2024 to 19.11.2024), organized by Sacred Heart college & Biotechnology Society of Nepal & Western Rio Janerio State University, Brazil.
- A five-day National level online FDP on ‘Beyond boundaries: Driving innovation in research’ (26.12.2024 to 30.12.2024), Organized by Auxilium College (Autonomous) Gandhi Nagar, Vellore in collaboration with North East Institute of Social Sciences & Research, Dimapur, Nagaland.
- FDP on ‘Advanced Tools and Techniques for Research Methodology’ (03.02.2025 to 08.02.2025), Organized by Indra Ganesan Institutions Trichy, Tamil Nadu.
- A seven-day online Faculty Development Programme on “Empowering Research Integrity & Innovation”, (27.10.2025 to 2.11.2025), Organized by Committee for Research Ethics, Publication & IPR, Auxilium College, Vellore.

Workshops

- DBT sponsored National Workshop on hands-on training on Molecular Diagnostic Techniques held during 12th to 17th February, 2018 by the PG and Research Department of Zoology, C. Abdul Hakeem College (Autonomous), Melvisharam, Vellore, Tamil Nadu.

- Two days National Level Online Workshop on Molecular Docking, (20.02.2023 & 21.02.2023), Nirmala College for Women, Coimbatore in collaboration with Auxilium College, Vellore and Providence College for Women, Nilgiri.

Seminars/Conference/Symposium attended

- Presented paper in SET-2012, the 5th International conference on Science, Engineering and Technology conference held during November, at VIT University, Vellore.
- Presented paper in SET-2012, the 6th International conference on Science, Engineering and Technology conference held during April, at VIT University, Vellore.
- Presented paper in SET-2013, the 7th International conference on Science, Engineering and Technology conference held during November 14-15, at VIT University, Vellore.
- Presented poster in the International conference on Applications of Natural Products and Opportunities Ahead (ICAN 2016) organized by the School of Life Sciences, B.S. Abdur Rahman University, Chennai on 2-3, August 2016.
- Presented paper in the One-day state level seminar on Challenges in Aquaculture and Marine Biotechnology organized by 2018 by the PG and Research Department of Zoology, C. Abdul Hakeem College (Autonomous), Melvisharam, Vellore, Tamil Nadu
- International seminar on Recent Advances in Bioelectrochemical Technology (RABT 2022), organized by the Department of Biotechnology, Thiruvalluvar University, Vellore.
- **A three days symposium** on ‘The winter symposium and south zone MICRON-2024 (1st to 3rd Feb 2024) organized by CMC, Vellore.