

CURRICULUM VITAE

Dr. V. Kokila M.Sc., Ph.D

<https://scholar.google.co.in/citations?hl=en&user=2l4JmRMAAAAJ>



Objective

To work as an Assistant Professor, that will provide me a good platform to utilize my teaching & administration skills and will help me to grow my career.

Educational Degrees

PhD Department of Biotechnology, Vels University, Chennai, Tamil Nadu, India, 2012-2017 (Full Time)

Thesis: In vivo studies on high fat diet induced obese Wistar albino rats and *in vitro* studies on 3T3-L1 adipose cell line using cholesterol derivative of *Bacillus amyloliquefaciens* strain KAVK1 for cholesterol lowering potentiality

MSc Biotechnology and Management, Department of Biotechnology, Vels University, Chennai, Tamil Nadu, India, 2012, 82%

Dissertation: Interactions between Pseudomonas aeruginosa biocontrol agents and *Glomus aggregatum*, an arbuscular mycorrhizal fungus, within the root cells of *Zea mays*

BSc Plant Biology and Plant Biotechnology, Department of Botany, Stella Maris College, University of Madras, Chennai, Tamil Nadu, India, 2010, 82%

Grants and Awards

University Research Fellowship for Doctoral Program 2012-2015
Vels University

Second Rank Holder (Academics) Under Graduation Program- [Stella Maris College, Chennai] 2007-2010

Appreciation Award for Oral Presentation
Biolim Research Centre & Ethiraj College, Chennai 2011

Research Experience

Research in Vels University: Worked as a Doctoral Research Fellow in the Department of Biotechnology (September, 2012- January, 2017)

Molecular Biology & Protein Techniques Plasmid DNA isolation, Genomic DNA & RNA isolation, PCR (polymerase chain reaction), Protein isolation

Cell Culture Handled different explants culture in Plant Tissue Culture

Microbial Techniques Isolation and identification of microorganisms from various sources, Antimicrobial techniques, Antagonistic activities

Chromatography Techniques Thin layer chromatography, Paper chromatography

Immunological Techniques Immunodiffusion, Electrophoresis techniques, Handled various therapeutic kits, SDS- PAGE

Animal Studies Animal handling, Induction of test drugs orally, Histopathological analysis

Instruments Handled PCR machines, UV Spectrophotometers, Incubators, Centrifuges, Electronic balance, Autoclave, Colony counters.

Experience

The Post Hold	Institution	Period	Nature of Work
Professor	Biology & Biotechnology, Chandraprabhu College, Minjur	Assistant & Plant date	Department of Plant Sep 2021- Till Teaching
Head in-charge	Science School	Sri Mageswara	Matric. June 2020- Aug Teaching
		2021	

Training Program

Participated a training program on “Basic Biochemistry & Molecular Biology”, organized by Madras Biotech, Chennai

Completed a course on “Immunotechnology”, organized by Lifetec Research Center, Chennai

List of Publications

Amutha K and **Kokila V** (2014). “Effect of *Pseudomonas aeruginosa* on symbiotic association of *Glomus aggregatum* an Arbuscular Mycorrhizal Fungus”. International Journal of Advanced Life Sciences, Vol. 7, No. 2, pp. 236-240.

Amutha K and **Kokila V** (2014). “PCR amplification, sequencing of 16S rRNA genes with universal primers and phylogenetic analysis of *Pseudomonas aeruginosa*”. International Journal of Science and Research, Vol. 3, No. 8, pp. 257-261.

Amutha K and **Kokila V** (2015). “Cholesterol lowering property of *Lactobacillus plantarum* isolated from cow milk”. International Journal of Pharmaceutical Sciences and Research, Vol. 6, No. 3, pp. 1184-1189.

Amutha K, Anupriya K and **Kokila V** (2016). “Studies on symbiotic association of mycorrhiza with *Burkholderia multivorans* for sustainable agriculture”. Journal of Pure and Applied Microbiology, Vol. 10, No. 1, pp. 223-228.

Amutha K and **Kokila V** (2016). “Cholesterol-lowering property of *Bacillus cereus* strain KAVK4 isolated from butter”. Asian Journal of Pharmaceutical and Clinical Research, Vol. 9, No. 4, pp. 227-229.

Amutha K and **Kokila V** (2016). “Optimization of cholesterol oxidase production and 16S rRNA partial sequence of *Bacillus cereus* strain KAVK4 isolated from butter”. Journal of Applied Pharmaceutical Science, Vol. 6, No. 7, pp. 61-66.

Kokila V and Amutha K (2016). “Cholesterol degrading potentiality of the bacterial isolates from ghee”. International Journal of Pharmaceutical Sciences Review and Research, Vol. 39, No. 2, pp. 255-259.

Kokila V and Amutha K (2012-2017) Published 6 Gene sequence in NCBI database, Accession number: **KC119195.1, KP792776.1, KP792775.1, KP792772.1, KP792774.1, KP792773.1**

Kokila V and Amutha K (2021). “Enzymatic production of 4-cholesten-3-one using cholesterol oxidase from *Bacillus cereus* strain KAVK5 and its potentiality towards the inhibition of disease associated proteins an *in silico* approach”. Journal of Applied Pharmaceutical Science, [Coommunicated].

List of Paper Presentations

Presented a research paper on oral in “National Congress on Bioscience Research” held at Ethiraj College for Women, Chennai on 26th & 27th August 2011.

Studies on the interaction between *Pseudomonas aeruginosa* and *Glomus aggregatum*,

“National Seminar on Current Perspective of Fungi in Health Care and Environment” (KAVAASTHA), 39th Annual Meeting of Mycological Society of India. Department of Microbiology and Biotechnology, Bangalore University, Bangalore, 13th and 14th March, 2013.

Phytochemical and Pharmacological Evaluation on Pericarp of *Garcinia mangostana* Linn.

“Asian Plant Science Conference”, Society of Applied Biotechnology at Bhairahawa, Nepal, 1-3 November, 2014.

List of Poster Presentations

Molecular level identification of *Pseudomonas aeruginosa* and its association with *Glomus aggregatum*, AMF in *Allium cepa*. “International Conference on Emerging Trends in Bioengineering”. Sastra University, Tanjavur, 9th -10th August, 2013.

Conferences, Seminars and Workshop Attended

National Seminar on “Prospects in Clinical Research”, Organized by Department of Biotechnology, School of Life Sciences, Vels University, Chennai on 25th March, 2011.

National Seminar on “Bioactive Compounds and their Impact on Health and Environment”, organized by Meenakshi College for Women, Chennai, 24th January, 2013.

International Symposium on “Changing Etiology of Emerging Infectious Diseases”, organized by Department of Microbiology, Dr. ALM PG IBMS University of Madras, Taramani, Chennai, 6th February, 2013.

International Conference on “Frontiers of Stem Cell and Biotechnology in Human and Veterinary Medicine”, organized by Madras Veterinary College, Chennai, India, Jointly organized by Nichi-in Centre for Regenerative Medicine, Chennai and Virginia Maryland Regional College of Veterinary Medicine, Virginia Tech, USA, 11th and 12th February, 2013.

Workshop on “Protein Electrophoresis”, organized by Department of Biochemistry, Chettinad Hospital & Research Institute, Chennai, 26th and 27th, July, 2013.

Workshop on “Preclinical Research”, organized by Acharya and B.M. Reddy College of Pharmacy, Bangalore, 21-23 November, 2013.

Workshop and Academic Lecture on “Immunobiology”, organized by Vels University, Chennai and Jointly Organized by Indian Academy of science, Bangalore, Indian National Academy, New Delhi and the National Academy of Sciences, India, Allahabad, 11th to 13th March, 2015.

Regional Seminar on “Prospects of Microbiology in the Next Decade”, Organized by Department of Microbiology, Madras Christian College (Autonomous), Chennai on 18th February, 2014.

National Seminar on “Stem Cells and Tissue Engineering”, Organized by Department of Biotechnology, School of Life Sciences, Vels University, Chennai on 28th February, 2014.

National Seminar on “Big Data Analytics in Biology”, Organized by Department of Biotechnology, School of Life Sciences, Vels University, Chennai on 27th February, 2016.

Personal

Date of birth: 23.09.1989 *Age:* 32

Place of birth: Chennai, Tamil Nadu, India

Father name: M. Vasantha Kumar

Martial status: Married

Language: English and Tamil

Declaration

I hereby declare that the above mentioned details are true and accurate to the best of my knowledge and belief.

Place: Chennai

Date: 27-12-2021 **[V. KOKILA]**