

## CURRICULUM VITAE

**Dr. S. Geetha**  
**Assistant Professor**  
**Department of Biotechnology**  
**UCE – BIT Campus, Tiruchirappalli 620 024**  
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➤ **Research Area:**

- Algal Biotechnology
- Biofuels
- Cancer Biology
- Nano Drug Delivery

➤ **Educational Qualifications:**

<b>Qualification</b>	<b>College/University</b>	<b>Year of completion</b>
Ph.D. (Phycology)	University of Madras, Chennai	2001
M.Phil.	University of Madras, Chennai	1996
PG (Plant Sciences)	Pachaiyappas College, University of Madras, Chennai	1994
UG (Plant Sciences)	Ethiraj College for Woman, University of Madras, Chennai	1992
Post Doctoral Researcher	Institute of Biological Chemistry, Academia Sinica, National Taiwan University, Taiwan	2003-2005

**Experience:** (chronological order)

<b>Name of Company / Institutions</b>	<b>Designation of Post</b>	<b>From</b>	<b>To</b>	<b>Experience in Year</b>
University College of Engineering, BIT campus, Anna University	Assistant Professor	2010	Present	13 Years
Anna University of Technology, Tiruchirappalli	Lecturer	2009	2010	One Year
Anna University of Technology, Tiruchirappalli	Lecturer	2008	2009	One Year

➤ **Awards / Honours Received:**

- CSIR SRF Fellowship (1997 – 2000)

➤ **Additional / Academic Responsibilities at University:**

Coordinator for International Students Affairs – 2013- 2014  
Department Exam Cell Coordinator -2008-2012

➤ **Membership of Scientific and Professional Societies:**

1. Life Member, The Biotech Research Society (BRSI), No. LM847
2. Life Member of Pharmacy Professionals (APP), No. APP/TN/LM-045/15
3. Life Member of The Indian Society for Technical Education (ISTE), LM 113365

➤ **Fellowships and Grants received:**

- CSIR SRF Fellowship (1997 – 2000)

➤ **Completed PG/UG Projects:**

- a. Number of PG Projects Completed: 16 Nos
- b. Number of UG Project Completed: 41 Nos

➤ **Research Guidance (M.S/Ph.D.) (Completed): NIL**

Sl. No	Name of the scholar	Title of the thesis	Year of registration	Date of viva voce
1.				

➤ **Research Guidance (Ph.D.) (Ongoing):**

Sl. No	Name of the scholar	Tentative Title of the thesis	Year of registration	Status
1.	V. Jino Aancius	Photoprotectant from cyanobacteria	2018	Ongoing
2.	K. Gracy Angel	Cyanophycin granule Polypeptide from cyanobacteria	2018	Ongoing

➤ **Publications:**

a. **Books / book chapters:**

Cyanobacterial Nitrogenase Detection by Immuno Fluorescence, Hand Book on Molecular and Analytical Techniques in Biotechnology & SELP, ISBN-978-93-80509-82-2

b. **International Journals:**

- V. Jino Aancius, K. Gracy Angel, D. Heizline Blessie and S. Geetha (2019) Biosynthesis of magnetite nanoparticles using cyanobacterial polysaccharide and its anticancer activity, Indian Hydrobiology, 18 :170-181 **ISSN 0971-6548**
- Santhana Vignesh, T. , Suja, C.P. and Geetha, S. (2019) Fabrication of Tissue Engineering Scaffolds Using Marine Bioactive Materials for Diverse Applications. Journal of Coastal Research, 86:171-177. **IF 1.73**

- Arumanyagam , M Arunmani , J Sathakkathul Zariya and S Geetha (2015) Hepatoprotective Activity Of Vitex Negundo Linn Against Ccl .World Journal of Pharmaceutical Research 4: 1313-1325 ISSN 2277-7105. IF: **5.99**
- C.M. OU, J.B. Tang, M.S.Huang, P. S Sudhakar Gandhi, S.Geetha, S.H.Li and Y.H.Chen (2012) The mode of reproductive derived spink (serince protease inhibitor Kazal type) action in the modulation of mammalian sperm activity International, Journal of Andrology 35:52-62. IF: 4.2
- Bhavani.G, Muthuselvam.P and Geetha.S (2013) Synthesis of Silver Nanoparticles using the leaf extract of Vitex negundo and its anti-bacterial effect. Advanced Material Research, 678: 301-305. IF:1.815

**c. National Journals:**

- Geetha S, Sathakkathula zariya, J, Aarthi R and Heizhline Blessie (2014) Green synthesis of gold nanoparticle using marine cyanobacteria Gloeocapsa sp and the antitumor potential Journal of Chemical and Pharmaceutical Sciences, Special issue 2 : 172-173. ISSN: 0974- 2115.
- Geetha S and N. Anand (2004) Physiological changes during akinete differentiation in Anabaena ambiuga Rao. The Journal of the Indian Botanical Society Vol.83.46-5.

➤ **Patents: NIL**

➤ **Sponsored Research Projects:**

Sl.No	Name of the project	Funding agency	Project value (Rs.)	Duration	Status
1.	Green synthesis of Gold Nanoparticle using Algal species and Evaluation of its anticancer activity	Young Scientist Research Scheme, CTDT, Anna University, Chennai.	50,000/-	One Year	Completed
2.	Comprehensive analysis of SNP in MicroRNAs and its impact on drug response in South	ICMR, New Delhi	25,00,000/-	Three Years	Completed

	Indian Population. (Co-PI)				
3.	Fluorescent Protein reporter based assay to measure toxicity of nanomaterials. (Co-PI)	DST-Nanomission, New Delhi	79,60,400/-	Three Years	Completed

➤ **Consultancy Activities: NIL**

Sl.No	Name of the work	Role (PI/Co PI)	Agency	Amount	Duration

➤ **List of Seminar / Short Term Course /FDP/ Workshop organized:**

- Organized TEQIP II sponsored Hands on training programme Molecular and Analytical Technique in Biotechnology, Department of Biotechnology, Bharathidasan Institute of Technology, Anna University from February 27th – March 3rd 2017.
- Organised Student Seminar “BIORITZ'16, Department of Biotechnology, Bharathidasan Institute of Technology, Anna University, Trichirappalli, 22 -23rd February 2016.
- TEQIP II sponsored two days Seminar “Biotechnology:The wave of future” , Department of Biotechnology,Bharathidasan Institute of Technology, Anna University Trichirappalli, 30th -31st October 2013.
- DBT sponsored Short Term Training Course Biomedical Applications of RNAi Technology (for Mid-Career Researchers) on 28th January 2015 to 10.02.15.

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended:**

- Attended two online Faculty Development Programme on ICT Tools for Teaching, Learning Process and Insitute from 15.03.2021 to 26.03.2021 organized by under the scheme of financial assistance for setting up of Electronics and ICT Academics of the Ministry of Electronics and Information Technology, Government of India.

- Attended one week online International Faculty Development Programme on Recent Advances in Next Generation Sequencing (NGS) from 27.07.2020 to 02.08.2020 organized by Col. Dr. Jeppiaar Research Park, Centre for Ocean Research in association with Ministry of Earth Science- Earth Science Technology ( MoEs-ESTC)
- Attended five days online Faculty Development Programme on Methodology and Data Interpretation of Analytical Instrumentation Techniques from 15.06.2020 to 19.06.2020 organized by Col. Dr. Jeppiaar Research Park, Centre for Ocean Research and Department of Chemistry, Sathyabama Institute of Science and Technology, Chennai, in association with Ministry of Earth Sciences Technology Cell.
- Attended TEQIP II sponsored two weeks Faculty Development Programme on Comprehensive Approach of Biotechnological Applications from 06.04.2015 to 29.04.2015 organized by the Department of Biotechnology, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli.
- Attended TEQIP II sponsored two weeks Faculty Development Programme on Nano Technology Applications in Engineering and Technology (NAET'15) from 06.05.2015 to 19.05.2015, organized by Department of Petrochemical Technology, Anna University, Tiruchirappalli.
- Attended TEQIP II sponsored one week Faculty Development Programme on Emerging Trends in Biotechnology from 19.08.2013 to 25.08.2013 organized by the Department of Biotechnology, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli.
- Attended UGC sponsored 66th Orientation Programme from 09.11.2010 to 06.02.2010, Bharathidasan University, Tamil Nadu.

➤ **National / International Conferences organized / Participated:**

- Participated in “Innovations and New Horizons in Algal technology and Biotechnology”-26th to 27th February 2015 at Kamaraj college of Engineering and technology, Virudhunagar.
- Participated in TEQIP II sponsored National Conference on “Green Engineering and Technologies for Sustainable Future” (NCGET) Bharathidasan Institute of Technology, Anna University, Tiruchirappalli 5th -6 th, December 2014.
- Participated in one day conference on Strategic Teaching Quality Management for Technical Teachers(SJQM)”- Bharathidasan Institute of Technology, Anna University, Tiruchirappalli, 16th March 2013.

- Participated in Eighth National Conference in “Optimization Techniques in Engineering Sciences and Technologies” (OPTTEST- 2013), 19th -20th April 2013 at Bannari Amman Institute of Technology, Sathyamangalam.
- Participated in National Conference on Biotechnological Approaches to Alternate Energy - 2008” (BAAE,08), 5th-6th December 2008 organized by the Department of Biotechnology, IIT Madras, Chennai.

➤ **Professional recognitions:**

**(A) Chairperson for conferences / Seminar / Technical symposia:**

**(B) Guest lectures delivered:**

Lead Lecture on Microalgal Biodiesel production through an attached growth system using dairy wastewater in the National Conference on ‘Vistas in Biodiversity, Biology, Biotechnology and Nanotechnology of Algae (VBBBNA2018)’ held at Department of Botany, Madras Christian College (Autonomous), Chennai. 20-22, September 2018

**DECLARATION:**

I certify that the information furnished above is correct and true to the best of my knowledge and belief.

**Signature of the staff member**

**Head of the Department**

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