

CURRICULUM VITAE

Dr. S. SANTHANA BHARATHI. M.Sc.,Ph.D (Ag. Microbiology)

S/o M.Samikannu,
Kappalambadi,
Chetpet road,
Melmalayanur (Taluk)
Villupuram District - Tamil Nadu
Pin Code: 604 201



CONTACT

E-mail : santhanamagril@gmail.com & santhanambharathi94@gmail.com

Mobile : 8838123470 & 8190908295

OBJECTIVE

To work with zeal to be the best in whatever I do and to work in a conducive environment wherein I can continually develop myself, both professionally and personally. To make a positive contribution through my knowledge, skills, personal commitment and continuously strive for organizational growth and individual excellence.

EDUCATIONAL QUALIFICATIONS

DEGREE / COURSE	INSTITUTE / SCHOOL	Board / University	YEAR OF PASSING	PERCENTAGE
Ph.D in Agricultural Microbiology	Department of Agricultural Microbiology, Faculty of Agriculture, Annamalai University.	Annamalai University	2022 (Thesis submitted)	94.45 %
M.Sc., (Agriculture) Microbial Biotechnology	Department of Agricultural Microbiology, Faculty of Agriculture, Annamalai University.	Annamalai University	2018	91.10 %
B.Sc., (Agriculture)	Faculty of Agriculture, Annamalai University.	Annamalai University	2016	77.30%
HSLC	AKT Academy Matriculation Higher Secondary School, Kallakuruchi.	State Board	2012	76.33%
SSLC	St.Josephs Boys Higher Secondary School, Susainagar,	State Board	2010	72.00%

“QUALIFIED ICAR - NATIONAL ELIGIBILITY TEST - 2019 NOV”

TITLE OF RESEARCH TITLE / PROJECT IN M.Sc. (Ag.), Ph.D

DEGREE	YEAR	TOPIC OF RESEARCH
M.Sc. (Ag.) Microbial Biotechnology	2018	Studies on the development of salt tolerant <i>Rhizobium</i> and its effect on the growth and development of groundnut
Ph. D (Agricultural Microbiology)	2022	Novel development of <i>Trichoderma</i> based biofilm biofertilizer and its efficacy on growth and yield of sesame

WORKING EXPERIENCE

TITLE	SPONSORING AGENCY	DESIGNATION	PERIOD
DST PURSE - II PROJECT Annamalai University	DST Central Gov	Technical Assistant	2019 Mar to 2020 Nov
Novel development of <i>Trichoderma</i> based biofilm biofertilizer and its efficacy on growth and yield of sesame	DST Inspire Central Gov	Junior Research Fellow	2020 Nov to 2022 Nov

AWARDS

S.No	Title of the Award	Details	Date & Place
1.	Vallalar Endowment	First mark in the department	2016 - 2017 Annamalai University
2.	Sri lochani Varadhalachalu prize Gold medal	University topper Gold medal in M.Sc., (Ag) Microbial Biotechnology	2016 -2018 Annamalai University
3.	Young Researcher Award	Mother Theresa Agriculture collage	March, 2023 & Pudukkottai
4.	Excellence In Teaching Award	TRIARD (Rover Agriculture collage)	Mar, 2023 & Perambalur

MEMBERSHIP AND OFFICES HELD IN PROFESSIONAL BODIES

S.NO	PROFESSIONAL BODIES	MEMBERSHIP NUMBER	MODE OF MEMBERSHIP
1.	All India Agricultural Students Association (AIASA)	AIASA/AUTN/OL/LM - 850/2021	Associate Member

CONFERENCES/SEMINAR ORGANIZED

NAME OF THE PROGRAMME	STATUS	DATE	ROLE AS	ORGANIZED BY
International Conference on Changing Perspective in Agriculture and Horticultural Research for Sustainable Development	International Conference	9 th October, 2021	Deputy Organizing Secretary	IQAC, Annamalai University & All India Agricultural Students Association (AIASA – TN)

BEST ORAL PRESENTATION PRIZES

S.No	Title of the Conference	Prize	Date & Place
1.	Novel Microbial Technologies for Sustainable Agriculture and Allied Industries (NMTSAAI - 2019)	Best oral presentation	Faculty of Agriculture Annamalai University 28th & 29th January, 2018
2.	International Conference on Changing Perspective in Agriculture and Horticultural Research for Sustainable Development	Best oral presentation	Annamalai University 9 th October, 2021

ONLINE COURSES COMPLETED

S.No	Title of the course	Level	Date & Duration	Conducted by
1.	Functional foods: concept, technology and health benefits	Distinction	19 th Nov 2018	Ag MOOs
2.	Basic techniques in microbiology (Phase II)	Distinction	13th July - 13th August 2020	Department of microbiology, sacred heart collage, Tirupattur
3.	Microbial inoculant Technology (Phase I)	Distinction	04 July 2021 - 08 August 2021	Department of microbiology, sacred heart collage, Tirupattur
4.	Statistical Techniques for Agriculturists	Distinction	26 th July 2022	Ag MOOs

REVIEWER IN JOURNAL / MAGAZINE

S.NO	Name	Journal / magazine	Subject Area
1.	GREENARIA	E - Magazine	Agri Microbiology

ABSTRACT OF SEMINARS CONFERENCES/SYMPOSIUM/TRAINING/ WORKSHOP ATTENDED & RESEARCH PUBLICATIONS

SEMINARS/SYMPOSIUM/TRAINING/WORKSHOP ATTENDED & RESEARCH PUBLICATIONS	Numbers
Research Publications in International/National Journals	05
Reviewer in Journal / Magazine	01
Conference/Seminar/Workshop organized	01
Full Length Research Publication in Seminar Proceedings with ISBN	01
Chapters Published in Books / Edited books with ISBN	01
Editor of Book / Book Chapter with ISBN	01

International Conference/Seminar/Symposium	05
National Conference/Seminar/Symposium	12
National workshop	11
National Training	03
International Webinar Attended (Online)	30
International E – Conference attended (Online)	04
International workshop attended (Online)	03
National Webinar Attended (Online)	80
Membership in Professional bodies	01
Number of online courses completed	04
Number of Gene sequence submitted in NCBI - Gen Bank	25

LIST OF INTERNATIONAL SEMINAR/CONFERENCE

S. No	Title of the Conference/Seminar	Organized by	Date and Place
1.	Rewiring anaerobic microbial process for energy and environment	School of Biotechnology	Madurai Kamaraj University 3 rd January 2018
2.	2 nd International Conference on Recent Trends in Microbiology (RTM-2018)	Department of Microbiology	Alagappa University 11 th & 12 th January, 2018
3.	Emerging Trends in Biological Research (ETBR 2018)	PG and Research Department of Biotechnology & Microbiology	Jamal Mohamed College 3 rd March, 2018
4.	International seminar on “coastal and marine biodiversity and conservation (ISCMBC-2018)”	Center of advanced study in marine biology	Annamalai University 15 th and 16 th March 2018
5.	International Conference on Changing Perspectives in Agricultural and Horticultural Research for Sustainable Development	(AIASA – Tamil Nadu) & Faculty of Agriculture	Faculty of Agriculture Annamalai University 9 th October 2021

LIST OF NATIONAL SEMINAR/CONFERENCE

S. No	Title of the Conference/Seminar	Organized by	Date & Place
1.	Neoteric Tactics in Microbial Era	PG Department of Microbiology	Shanmuga Industries Arts and Science College 7 th January, 2016
2.	Recent Trends in Microbial Technology	PG & Research Department of Microbiology	Shanmuga Industries Arts & Science College 6 th January, 2017
3.	Emerging Trends in Crop Improvement	Department of Genetics and Plant Breeding	Annamalai University 9 th & 10 th February, 2017
4.	Conventional and Molecular Strategies for Sustainable Crop Improvement (CMSSCI)	Department of Genetics and Plant Breeding	Annamalai University 16 th & 17 th March, 2017
5.	Common property resources: issues & challenges	Center for rural development	Annamalai university 23 th & 24 th March 2017
6.	Microbes Across Boundaries (MAB-2017) Bridging Innovation in the Field of Microbiology through Interdisciplinary Approach	Department of Microbiology & Indian Association of Applied Microbiologist (IAAM)	Vivekanandha College of Arts and Sciences for Women 22 th & 23 rd September, 2017
7.	Climate Adaption and Long-Term Mitigation (CALM-2017)	Centre for Atmospheric Research & Climate Change CARE2C	Annamalai University 4 th & 5 th December, 2017
8.	Current Trends in Biological Sciences-18	Department of Microbiology	Kamadhenu College of Arts and Science 23 rd January, 2018
9.	Evolution of Microbes in Modern Era-Friend (or) Foe	PG & Research Department of Microbiology	Shanmuga Industries Arts & Science College 29 th January, 2018
10.	Challenges and Advances in Microbiology (CAM-2018)	Department of Microbiology	Annamalai University 1 st & 2 nd February, 2018
11.	Novel Microbial Technologies for Sustainable Agriculture and Allied Industries (NMTSAAI - 2019)	Department of Agricultural Microbiology	Faculty of Agriculture Annamalai University 28 th & 29 th January, 2018

12.	7 th National Youth Convention “Food Security to Nutritional Security: Youth Perspective (FSNS2022)	All India Agricultural Students Association (AIASA – Tamil Nadu) & Indian Council of Agricultural Research (ICAR) & Tamil Nadu Agricultural University (TNAU)	Tamil Nadu Agricultural University, Coimbatore, 24 th & 25 th March, 2022
-----	--	---	---

LIST OF WORKSHOPS ATTENDED

S.No	Title of the Workshop	Organized by	Date & Place
1.	Human Rights Education in India: A Road to Development	Department of Business Administration	Annamalai University 22 nd February, 2017
2.	Recent Advances in Spirulina and its Cultivation Techniques (RASCT-2017)	Department of Microbiology	Selvam Arts & Science College 10 th August, 2017
3.	One day National Workshop on "Vermitechnology"	Department of zoology	31 st August 2017
4.	Achieving Publication Index Scores and Succeeding Research Projects	Department of Library and Information Science & Dr.Ambedkar Chair	Annamalai University 01 st September, 2017
5.	Molecular technique in crop improvement	Department of genetics and plant breeding	Annamalai University 11 th January, 2018
6.	Biometric Tools in Crop Improvement	Department of Genetics and Plant Breeding	Annamalai University 24 th & 25 th January, 2018
7.	Roof Gardening	Department of Horticulture	Annamalai University 2 nd & 3 rd February, 2018
8.	Cultivation of Azolla and its Application in Agriculture and Allied Sector (CAAAAS-2018)	Department of Microbiology	Selvam Arts & Science College 9 th February, 2018
9.	"Training cum awarnes programe on protection of plant varities on farmers rights act 2001"	Department of Genetics and Plant Breeding	Annamalai University 14 th March, 2018
10.	"Role of Teachers and the National Education Policy 2019"	Dr. Ambedkar Chair, Annamalai University,	Annamalai University, 3 rd September, 2019
11.	"Microbial Biotechnology for Bioinoculant Production and Composting Technology (MBBPCT)"	Department of Agricultural Microbiology, Faculty of Agriculture	Annamalai University on 8 th & 9 th September, 2021.

LIST OF TRAINING ATTENDED

S.No	Title of the Training Program	Organized by	Date & Place
1.	National training on Technology advances In “Biocontrol of plant pathogens”	ICAR – National Bureau of Agriculturally Important Microorganisms, UP.	September 25 to October 04, 2018
2.	National training on Bacterial Endophytes in Agriculture: Concepts to Application	ICAR – National Bureau of Agriculturally Important Microorganisms, UP.	January 07 to 16, 2019
3.	Plant microbial Interaction for the production of Therapeutic Compounds	The Biological Science Department, Kuvempu University, KA	October 17 th to 26 th , 2019

LIST OF PROCEEDINGS IN CONFERENCE

S.No	Title of the Paper	Title of the conference	Author's Name	Publisher
1.	Studies on the effect on bio preservation method of milk by natural and commercial honey	Changing perspectives in Agricultural and Horticultural research for sustainable development	S. Santhana Bharathi and D. Reetha	Royal book publishing – international ISBN: 9789391131548

CHAPTERS PUBLISHED IN BOOKS AS AUTHOR

S. No	Title of the chapter	Name of the Book with Year of Publication	Author's Name	Publisher
1.	Antimicrobial activity of medicinal plants against certain human pathogenic bacteria	Recent Innovations in Biosustainability and Environmental Research Vol – II (2019)	Santhana Bharathi. S, A. Arunachalam, D. Reetha and P. Sivasakthivelan (ISBN: 978-81-939070-9-2)	Empyrean Publishing House, Assam

LIST OF BOOK CHAPTERS PUBLISHED AS EDITOR AND CO-EDITOR

S.No	Title	Author's Name	Publisher
1.	Changing Perspective in Agriculture and Horticultural Research for Sustainable Development – Book of Abstracts	Dr. CT. Sathappan Dr. T. Raj Pravin Dr. R. John Christy Dr. Sabesan Dr. Arivukkarasu Dr. S.vennila Dr. V.Jaiganesh Mr. Santhana Bharathi (ISBN : 978-93-911315-4-8)	Royal Book Publishing – International Salem, Tamil Nadu 2021 (Co-Editor)
2.	Climate change and sustainable agriculture	V.Guhan, D.Balu, D.R.K.Saikanth, A.Arunachalam, S.Santhana Bharathi (ISBN : 978-81-955542-2-5)	Vivekanandha international book publisher, 525, sunai street, mambattu, polur, Tiruvannamalai 2022 (Editor)

LIST OF PUBLICATIONS IN JOURNALS

1. **Santhana Bharathi S.**, Syed nyamath and D Reetha 2020. Microbial contamination of new and old indian currencies, *Asian journal of microbiology, biotechnology and environmental sciences*, vol. 23, issue 3. 421 - 424. **(Cross Ref)**
2. **Santhana Bharathi S** and D Reetha, 2021, Isolation, characterization of potential phosphate solubilizing bacteria from sesame (*Sesamum indicum* L.) rhizospheres' soil. *International journal of botany studies*, vol 6, issue 6. 1121 – 1125. **(Web of sci)**
3. **Santhana Bharathi S** and D Reetha, 2022. Isolation and characterization of eps producing *Azospirillum oryzae* from sesame (*Sesamum indicum* L.) rhizoplane. *Journal of xidian university*, <https://doi.org/10.37896/jxu16.8/015>, vol 16, issue 8. **(Scopus)**
4. **Santhana Bharathi S**, Surya sabarinath B, Arunachalam A, Reetha D and K. Sivakumar, (2022). Studies on the antimicrobial activity of cumin (*Cuminum cyminum*) and fenugreek (*Trigonella foenum-graecum*) extracts against certain

food borne bacterial pathogens. *IJARST*, Volume 2, Issue1, ISSN (Online) 2581-9429. DOI: 10.48175/IJARST-7155. **Impact Factor: 6.252, (Cross Ref)**

5. **Santhana Bharathi S** and D Reetha (2022). Efficient *Trichoderma harzianum* were isolated and characterized their antagonistic efficiency under invitro condition. Accepted **Bulletin of Environment, Pharmacology and Life Sciences** on Aug 8.2022. **(Web of sci)**

COMPUTER PROFICIENCY SKILLS

- Microsoft office Word, M.S. Excel, M.S. Power Point
- NTSys, Blasting, MEGA construction of phylogenetic tree
- Finch TV and NCBI Gen bank.

SOFT SKILLS AND ATTRIBUTES

- Good communication and Interpersonal skill
- Good laboratory skill
- Experience in handling of basic lab techniques in microbiology, UV Spectrophotometer, PCR, Gel Electrophoresis, Isolation of DNA & RNA.
- Experience in isolation and Identification of Microorganisms.
- Taking three credit seminar and many class seminars
- Handling of practical demonstrations.

PERSONAL DETAILS

Name	:	S. SANTHANA BHARATHI
Date of Birth	:	16/11/1994
Gender	:	Male
Marrietal Status	:	Single
Address for Communication	:	Kappalambadi, Chetpet main road, Melmalayanur (Taluk) Villupuram (District) Tamil Nadu, Pin Code:604 201
Languages known	:	Tamil and English (To read, write and speak)

REFERENCE

1. Dr. P. THOLKAPPIAN

Professor,
Department of Agricultural Microbiology,
Faculty of Agriculture,
Annamalai University, Chidambaram
Email ID: tholsklm@yahoo.com

Contact No: 9443119670

2. Dr. D. REETHA

Professor

Department of Agricultural Microbiology
Annamalai University, Chidambaram

Email ID: drdreetha@gmail.com

Contact No: 9994325278

DECLARATION



I hereby declare that, the above information furnished by me is correct up to my knowledge and belief.

(S. SANTHANA BHARATHI)