

## STAFF PROFILE

Name: Dr.K.Santhanalakshmi M.Sc.,B.Ed.,M.Phil.,Ph.D.,PGDCA

Designation : PTA Staff Teaching

Department of Biotechnology

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Academic Qualification	UG in Microbiology from Shrimati IndiraGandhi College ( 2002-2005 )
	PG in Biotechnology from School of Life Sciences, Bharathidasan University ( 2005-2007)
	M.Phil in Biotechnology from PRIST University, Tanjore ( 2010)
	PhD in Biotechnology from National College, Trichy ( 2014-2021)
	Post Graduate in Computer Application(PGDCA) from Software Institute of Technology, Trichy (2002-2003)
Working Experience	<ol style="list-style-type: none"> <li>1. Working as a Project Assistant in Molecular Virology Lab, National Research Center for Banana (ICAR) , Trichirappalli from Aug 2007 to April 2009</li> <li>2. Working as a Guest Faculty in Department of Biotechnology, Bharathidasan University, Trichy from Dec 2012 to Sep 2016.</li> </ol>
Membership in Professional Bodies	Nil
Conferences/ Seminars/ Workshops/ Webinars attended	<p style="text-align: center;"><b>NATIONAL EVETS PARTICIPATED</b></p> <hr/> <ul style="list-style-type: none"> <li>➤ Attended National Seminar on “CURRENT DEVELOPMENTS ON BIODIESEL TECHNOLOGY ITS FUTURE PROSPECTS” Sponsored by TANSCHENNAI, CSIR New DELHI held on Bharathidasan University,Trichy held on 20-21<sup>st</sup> Feb 2006.</li> <li>➤ Participated in National Seminar on “ ADVANCES IN BIOLOGICAL SCIENCES- BIOSUMMIT ” conducted by Hindustan college of arts and science, Coimbatore, held on 8<sup>th</sup> Oct 2006.</li> <li>➤ Participated in National Conference on “Recent trends in Plant Biotechnology” organized by Department of Plant Science, Bharathidasan University, Trichy on 27<sup>th</sup> -28 Feb 2013.</li> <li>➤ Participated a “Writing science”- One day seminar Scientific/ Technical Writing organized by Department of Industrial Biotechnology, Bharathidasan University, Trichy on 22<sup>nd</sup> Jan 2014.</li> <li>➤ Participated a One day seminar “Biotechnology Based Entrepreneurship awareness” organized by Department of Industrial Biotechnology, Bharathidasan</li> </ul>

University, Trichy on 22<sup>nd</sup> Jan 2015.

- Participated a One day National Seminar on “Recent Trends in Life Sciences” organized by P.G& Research Department of Biotechnology, Jamal Mohamed College, Trichy on 25<sup>th</sup> Feb 2015.
- Participated in National Conference on “Transgenic Plants & Food Security of Nation: TPFSN-2015” organized by P.G& Research Department of Botany, Jamal Mohamed College, Trichy on 27<sup>th</sup> Feb 2015.
- Participated a One day National Seminar on UGC Sponsored “Current Scenario in Biotechnology” organized by Department of Biotechnology, Rajah Serfoji Govt College, Thanjavur on 9<sup>th</sup> Mar 2020.

### INTERNATIONAL EVETS PARTICIPATED

- Attended International conference on “BIOTECHNOLOGICAL APPROACHS IN BIOROURCES MANAGEMENT” conducted by Department of Biotechnology, Bharathidasan University, Trichy held on 23-26<sup>th</sup> Jan 2007.
- Participated in International Conference on “ASSOCIATION FOR THE IMPROVEMENT IN DEVELOPMENT AND UTILIZATION OF BANANA (AIPUB) 2008” at Trichy held on 24-26<sup>th</sup> Oct 2008.
- Participated in International Conference on “CLIMATE CHANGE AND BIORESOURCES (ICCB-2010)” conducted by Department of Biotechnology, Bharathidasan University, Trichy held on 9– 12<sup>th</sup> Feb 2010.
- Participated in International Conference on “ADVANCES IN BIOTECHNOLOGY & PATENTING” (ICABP-2013)” Conducted by Bharathidasan University, Trichy on 18<sup>th</sup> -21<sup>st</sup> Feb 2013.

### WORKSHOP ATTENDED

- Participated a online workshop “Research Ethics and Plagiarism Control” organized by BUNTS SANGHA MUMBAI ANNA LEELA COLLEGE OF COMMERCE AND ECONOMICS SHOBHA JAYARAM SHETTY COLLEGE FOR BMS, IQAC and Research Cell In Association with Department of Lifelong Learning & Extension (D.L.L.E) on 15th May, 2020.
- Participated a online workshop “IMPRINTS OF DISASTER IN FISHERIES AND ITS MANAGERMENTS” organized by DST PURSE II Sponserd CAS in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai on 11th Feburary, 2022.

## FACULTY DEVELOPMENT PROGRAM

- Participated a online Faculty Development Program on “Green Biotechnology and Bioenergy” from 18<sup>th</sup> to 24<sup>th</sup> Dec 2023 organized by Department of Biotechnology, Arunai Engineering College, Tiruvannamalai, TN Biotechnology Society of Research India (BSRI), Indian Society of Technical Education (ISTE) & Institute of Indian Council (IIC).
- Participated a Virtual Faculty Development Program on “Recent Advance n Chemical Sciences” from 27<sup>th</sup> Nov 2023 to 1<sup>st</sup> Dec 2023 organized by KSR College of Arts & Sciences for Women, Thiruchengode, Salem.

## TRAINING ATTENDED

- Attended on “International Training & Workshop on *Musa* Virus Indexing” conducted by Biodiversity International France in collaboration with Queensland Department of Primary Industries and Fishries, Australia held at National Research Centre for Banana(ICAR), Trichy during Oct 28<sup>th</sup> to Nov 1st , 2008.
- Undergone a Summer training in Clinical Laboratory in G.V.N. Hospital and Visvanathan Institute of Medical Sciences, Trichy.
- Undergone a summer training / job training in Animal Biotechnology for *One month* at the Department of Biotechnology, *MADRAS VETERINARY COLLEGE*, Chennai.

Research Paper presented

## PAPER & POSTER PRESENTATION

- Presented a poster entitled in “Molecular charterization of BSV Infected Poovan banana by using ISSR markers” at National Conference on National Research center for Banana, Trichy-102 held on 25-28<sup>th</sup> Oct 2007.
- Presented a poster entitled in “MSG as a silent killer” in National conference on Advance Management and Prevention of clinical disorders to Malnutritions” conducted by AMPCG13,RSGC,Tanjore on 7 & 8<sup>th</sup> Feb 2013.
- Presented a Poster in International Conference on Biodiversity and Biotechnology on “Genoprotective Role of *Cyperus Rotundus* against oxidative stress induced

	<p>DNA Damage” organized by Department of Biotechnology , Bharathidasan University, Trichy held on 25<sup>th</sup>-27<sup>th</sup> Feb 2016.</p> <ul style="list-style-type: none"> <li>➤ Presented a Poster in National Seminar on Frontiers in Biotechnology on “Antibacterial activity of Pigments from Actinobacteria” organized by Department of Biotechnology , Bharathiyar University, Coimbatore held on 18<sup>th</sup>-19<sup>th</sup> Feb 2016.</li> <li>➤ Presented a paper in International Seminar on Drug Development Research – Current Scenario (ISDDRCS) on “Production and optimization of alkaline protease by UV induced <i>Bacillus</i> sp GKS2” organized by PG &amp; Research Department of Biochemistry, SrimadAndavan Arts &amp; Science College, Trichy held on 26<sup>th</sup> Feb 2020.</li> <li>➤ Participated in e-poster “Impact of COVID-19 on Environment” organized by IQAC, Mamasahab Mohol College, Pune on 19<sup>th</sup> May 2020.</li> </ul>
<p>Publication in Journals</p>	<p style="text-align: center;"><b>SEQUENCE SUBMISSIONS</b></p> <hr/> <ul style="list-style-type: none"> <li>➤ <i>Bacillus megaterium</i> strain GDS2 16S ribosomal RNA gene, partial sequence submitted in NCBI GenBank: MK411579, 31-May-2019</li> <li>➤ <i>Streptomyces narbonensis</i> strain GKS2 16S ribosomal RNA gene, partial sequence submitted in NCBI GenBank: MH883618, 16-OCT-2018</li> <li>➤ <i>Streptomyces griseorubens</i> strain DKR4 16S ribosomal RNA gene, partial sequence submitted in NCBI GenBank: KX965703, 08-FEB-2017</li> <li>➤ <i>Enterobacter</i> sp. ENKS2 16S ribosomal RNA gene, partial sequence submitted in NCBI GenBank: KU243131, 15-MAY-2016</li> <li>➤ <i>Pseudomonas</i> sp. PNKS1 16S ribosomal RNA gene, partial sequence submitted in NCBI GenBank: KU243132, 15-MAY-2016</li> <li>➤ <i>Streptomyces</i> sp. DSK2 16S ribosomal RNA gene, partial sequence submitted in NCBI GenBank: KU174534, 26-MAR-2016</li> </ul> <p style="text-align: center;"><b>PAPERS PUBLICATIONS</b></p> <hr/> <ul style="list-style-type: none"> <li>➤ Santhanalakshmi Krishnamoorthy , Natarajan Ekambaram (2018) Isolation and molecular characterization of Enterobacter species ENKS2 and its phosphate solubilisation from rhizospheric soil (2018), International Journal of Scientific Research in Biological Sciences Vol.5, Issue.6, pp.20-25. E-ISSN: 2347-7520</li> <li>➤ Santhanalakshmi Krishnamoorthy , Natarajan Ekambaram (2018) Isolation, Physiochemical Characterization and biological applications of Melanin Pigment from Pseudomonas sp. PNKS1, International Journal of Scientific Research in</li> </ul>

	<p>Multidisciplinary Studies Vol.4, Issue.9, pp.12-16. E-ISSN:2454-9312, P-ISSN:2454-6143</p> <ul style="list-style-type: none"> <li>➤ Santhanalakshmi Krishnamoorthy , Natarajan Ekambaram (2018) Biogenic synthesis of silver nanoparticles using pigment producing <i>Streptomyces</i> sp and Its drug binding assay, International Journal of Scientific Research in Biological Sciences Vol.5, Issue.5, pp.114-119. E-ISSN:2347-7520.</li> <li>➤ Santhanalakshmi K, Natarajan E, Muthukumar B, Dhanasekaran D and G Archunan (2017) Fermentative production of melanin pigment from <i>Streptomyces griseorubens DKR4</i> from agro waste products, International Journal of Applied Research 3(3): 284-288. ISSN Online: 2394-5869.</li> <li>➤ Santhanalakshmi Krishnamoorthy, Natarajan E, Muthukumar B and Archunan G, Isolation, Separation and Production of Melanin Pigment in <i>Streptomyces sp.</i> from Garden Soil, Int.J.Curr.Biotechnol., 2017, 5(4):6-13.</li> </ul>
Publication of Books/edited	<p><b>BOOK PUBLISHED</b></p> <hr/> <ul style="list-style-type: none"> <li>➤ A Chapter book “ Awareness of Post Covid 19” entitled in “The Epidemic Challenges of Deadliest Virus and their Impact” published by “Pondicherry Academic Researcher Academy” on 2020.</li> </ul>
Resource Person	Nil
Awards Received	Receiving the “YOUNG RESEARCHER AWARD” presented by Deccan Environmental Research Organisation (DERO), Karnataka on 12 <sup>th</sup> Sep 2020.
Extension Activities	Nil