


<p style="text-align: center;">DEPARTMENT OF MICROBIOLOGY</p>	
Name	Dr. J. DEVANATHAN
Designation	GUEST LECTURER
Qualification	M.Sc., Ph.D., NET.,
Date of Birth & Age as on 31-05-2024	04.09.1987 & 37 YEARS OLD
Working experience as on 31-05-2024	10 YEARS 0 MONTH 16 DAYS
Research experience: Field of interest/ Area of specialization	12 YEARS, MICROBIAL BIOTECHNOLOGY & FOOD TECHNOLOGY
Research Scholars	PG - (10 Students)
Details of Papers/Books Published	<p>Details of Papers:</p> <ol style="list-style-type: none"> 1) J.Devanathan, P.Sandhiyadevi, K.A.Selvam, A.Ram Kumar, S.Sureshkumar, S.Selvaraj, Formulation of new cost medium for mass production of <i>Spirullinasp</i>, <i>Chemistry Reports</i> 2(1), (2019), 35-45. 2) J.Devanathan, A. Selvam and N. Ramanathan Optimization of biomass production of <i>Spirulinaplatisin</i> seawater medium, <i>Life Science Archives</i>, 2(5), (2016), 708-716. 3) J. Devanathan and N. Ramanathan Pigment production from <i>Spirulinaplatisin</i> using seawater supplemented with dry poultry manure. <i>J. Algal Biomass Utln.</i>, 3 (4), (2012), 66–73. 4) Devanathan, J and Ramanathan, N Utilization of seawater as a medium for mass production of <i>Spirulinaplatisin</i>—A novel approach, <i>International Journal of Recent Scientific Research</i> 4(5), (2013), 597 – 602. 5) J.Devanathan, A. Selvam, P. Tholkappiyan and N. Ramanathan. Studies on the optimization of amylase production by <i>Aspergillus</i> sp. <i>Indo- Asian Journal of Multidisciplinary Research</i>, 2(5), (2016), 817-824. 6) J. Devanathan, T. Thripurasundari, K.A. Selvam, A. Ram Kumar, S. Selvaraj, L. Ramadass, Isolation and characterization of drought stress tolerant plant growth promoting rhizobacter from chilli crop, <i>ChemNext</i> 1 (1), (2020), 1-9. 7) J.Devanathan, Rajaram. R, Selvam. A and Malathi. S Production, characterization and screening of antimicrobial activity and antioxidant property of panchagavya against clinical pathogens, <i>International Journal of Research and Analytical Rev.</i>, 5(4),(2018), 236-243. 8) Malathi. S and Devanathan. J. Biodeterioration of fabric paints by fungal species and their control using antifungal agent. <i>Int. J. Adv. Res. Biol. Sci.</i>, 4(9), (2017), 1-4. 9) K.Kolanjinathan, K.A.Selvam, J.Devanathan, S.Selvaraj, A.Ram Kumar, S.Sureshkumar,

	<p>Screening of antimicrobial activity of <i>Avicennia marina</i> plant against clinical pathogens, <i>Chemistry Reports</i> 2(1), (2019), 27-34.</p> <p>10) K.A. Selvam, M. Suriyakumar, J. Devanathan, K. Kolanjinathan, A. Ram Kumar, S. Selvaraj, L.Ramadass, Synthesis of Ag-NPs from extracts of <i>Perseaamericana</i> and its antimicrobial effects in human pathogens, <i>NanoNext1</i> (1), (2020), 10-17.</p> <p>11) K.A.Selvam, C.Uma, J.Devanathan, A.Ram Kumar, S.Selvaraj, Screening of bacteriocin producing <i>Lactobacillus</i> species from cow milk and its antibacterial potential against foodborne pathogens hypoglycemic, <i>Journal of Functional Materials and Biomolecules</i> 4(1), (2020), 348-351.</p> <p>12) A.Ram Kumar, S.Selvaraj, K.S.Jayaprakash, S.Gunasekaran, S.Kumaresan, J.Devanathan, K.A.Selvam, L.Ramadass, P.Rajkumar, M.Mani, Multi-spectroscopic (FT-IR, FT-Raman, 1H and 13C NMR) investigations on syringaldehyde, <i>Journal of Molecular Structure</i> (2020) 129490.</p> <p>13) A.Ram Kumar, L.Pavalarasu, S.Kumaresan, S.Selvaraj, K.A.Selvam, J.Devanathan, Structural analysis and confirmation of carbon atoms of gabapentin, <i>Journal of Analytical and Experimental Modal Analysis</i> 11(11), (2019), 1315-1324.</p> <p>14) A. Ram Kumar, V. Nithya, S. Rajeshkumar, S. Gunasekaran, S. Kumaresan, S. Selvaraj, K. A. Selvam, J. Devanathan, An experimental and theoretical evidence for structural and spectroscopic properties of 2-hydroxy-5-methoxybenzaldehyde, <i>The International journal of analytical and experimental modal analysis</i>, 11(11), (2019), 1990-2003.</p> <p>Books Published: J. Devanathan, N. Ramanathan. <i>Spirulina platensis</i> Production Using Seawater Media. LAP Lambert Academic Publishing (ISBN-13 : 978-3659365652)</p>
<p>Details of participation in conferences/seminar/Symposium</p>	<p>Papers Presented in Different Events (07)</p> <p>1. Devanathan.J and N. Ramanathan, Formulation of low cost media for mass production of <i>Spirulina platensis</i>, National conference on Emerging Novel Avenues and Opportunities in Modern Biological Sciences (Sponsored by UGC), M.R. Govt. Arts College, Mannargudi, March'2013.</p> <p>2. Devanathan.J and N. Ramanathan, Bioactive substances from <i>Spirulina</i> sp, National Seminar on Recent Trends in Bioactive substances (RTBASS-2013), Govt. Arts college, Karur, March'2013.</p> <p>3. Devanathan.J and N. Ramanathan, Mass Production of <i>Spirulina platensis</i> in Sea water, National Seminar on Emerging Trends in Microbial Biotechnology (Sponsored by DBT), Kanchi Shri Krishna College of Arts & Science College, Feb' 2013.</p> <p>4. Devanathan.J and N. Ramanathan, Utilization of seawater as a media for mass production of</p>

	<p><i>Spirulinaplatensis.</i>, National seminar on Golden Thoughts on Current Microbial Research, Annamalai University, March'2013.</p> <p>5. Devanathan.J and N. Ramanathan, Improvement of stress tolerant strains of <i>Spirulinasp</i> using chemical mutation method, National Seminar on Frontiers in Applied Microbiology, (Sponsored by UGC), Annamalai University, Feb'2014.</p> <p>6. Devanathan. J and V. Jayapriya, Antimicrobial activity of Bacteriocin produced by <i>Lactobacillus plantarum</i> against some food borne pathogens by agar well diffusion, International seminar on Emerging Paradigm in Cancer Therapy (EMPACAT-16) 17th Aug'2016.</p> <p>7. Devanathan. J and Sandhiyadevi. P, Molecular characterization of Bioplastics producing microbes from agro waste, (Sponsored by TNSCST), International conference on Molecular Structure of Nano and Bio Materials (ICMSNBM-2018), Arinar Anna Govt. Arts College, Cheyyar.</p>
Details of conferences/workshop/Seminars/Symposium organized	<ul style="list-style-type: none"> ➤ International seminar on Emerging Paradigm in cancer Therapy on Aug' 2016, Department of Bioscience (Biochemistry & Microbiology) ➤ National seminar on Microbial Foods Better for Tomorrow (MFBT-2023) ➤ Two days Workshop on "Protein isolation purification & analysis by SDS-PAGE"
Awards and Achievements	NIL
Administrative responsibilities in college	<ul style="list-style-type: none"> ➤ MENTOR – SWAYAM – NPTEL Local Chapter, Indo-American College, Cheyyar-604407, Tamil Nadu.(2019-2023) ➤ Ministry of Education's Innovation Cell – Indo-American College, Cheyyar-604407, Tamil Nadu. (2022-2023)
Membership in Academic/Professional bodies	NIL
Residential/Communication address	<p>379, Main Road, Silambimangalam Post, Bhuvanagiri TK & Cuddalore- DT, PIN-608801. Mail.id: jayadevanathan@gmail.com Cell: 6380339237</p>
Other information, if any	NIL