

NAME	Dr. A. Moushumi priya			
Designation	Assistant Professor, Department of Biotechnology			
Address for communication with E-Mail & Mobile No.	No. 34, II Cross, Thiru Nagar, Moolakulam, Pondicherry-605010			
Educational Qualification (from UG Level onwards)	Degree	Subject	College/Institution	University
	B.Sc	Biotechnology	Indira Gandhi College of Arts and Science	Pondicherry University
	M.Sc	Biotechnology		Pondicherry University
	PhD ,	Biotechnology		Pondicherry University
Teaching Experience	UG:		PG:	
Research Experience	<ul style="list-style-type: none"> ➤ April 2011-March, 2013, Senior Research Fellow - Council for Scientific Research (CSIR), New Delhi ➤ April 2009-March 2011, Junior Research Fellow - University Grants Commission (UGC), New Delhi <ul style="list-style-type: none"> ○ Project title: Purification and characterization of anti-inflammatory compounds produced by marine bacterial strains. Mentor- Prof. S. Jayachandran. ➤ December 2007-March 2009, Junior Research Fellow - Department of Biotechnology (DBT), New Delhi <ul style="list-style-type: none"> ○ Project Title: Biological control of sugarcane borer employing transgenic endophytic <i>Gluconacetobacter diazotrophicus</i> containing PCP genes from <i>Bacillus thuringiensis</i>. Mentor- Prof. S. Jayachandran. ➤ October 2006- August 2007, Associate Research Officer - Christian Medical College & Hospital, Vellore <ul style="list-style-type: none"> ○ Project title: Identificaation and isolation of beneficial bacteria (probiotics) from different sources Gut-microbe immune responses in rat colon. Mentor: Prof. B. S. Ramakrishnan 			
No. of Papers Presented in Conference/ Seminars/ Symposia	National:		International:	5
No. of Papers Published in Journals/Books	National:		International:	7

No. of Conference/ Seminars/Symposia Organized	Workshop:	1	Seminar:		Conference:	
No. of Conference/ Seminars/Symposia Attended	Workshop:		Seminar:		Conference:	
Abroad Visit for academic purpose, if any						
Refresher course attended	UGC- ACS, Pondicherry University (August, 2014)					
Orientation course attended						
Other relevant information, if any (Achievements, Awards, etc.)	<ul style="list-style-type: none"> • M.Sc. Scholarship (2004-2006): Combined Biotechnology Entrance Examination, Jawaharlal Nehru University, New Delhi. • GATE-LS (2007-2009): Indian Institute of Technology, Kanpur. • CSIR-NET-LS (2009): Council of Scientific and Industrial Research, New Delhi. 					

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	<ul style="list-style-type: none"> ➤ December 2007-March 2009, Junior Research Fellow - Department of Biotechnology (DBT), New Delhi <ul style="list-style-type: none"> ○ Project Title: Biological control of sugarcane borer employing transgenic endophytic <i>Gluconacetobacter diazotrophicus</i> containing PCP genes from <i>Bacillus thuringiensis</i>. Mentor- Prof. S. Jayachandran. ➤ October 2006- August 2007, Associate Research Officer - Christian Medical College & Hospital, Vellore <ul style="list-style-type: none"> ○ Project title: Identification and isolation of beneficial bacteria (probiotics) from different sources Gut-microbe immune responses in rat colon. Mentor: Prof. B. S. Ramakrishnan
<p>Details of Papers Presented in Conference/ Seminars/ Symposia</p>	<ol style="list-style-type: none"> 1. Presentation in International Conference on Industrial Biotechnology, IX Convention of The Biotech Research Society, India, Indo-Italian Workshop on Food Biotechnology: Industrial Processing, Safety & Health, Department of Biotechnology, Punjabi University, Patiala, November 21-23, 2012. Title: Evaluation of in vitro anti-proliferative and anti metastatic activities of Bis (2 ethylhexyl) phthalate isolated from marine <i>Bacillus pumilus</i> MB40. 2. Presentation in International Conference on New Horizons in Biotechnology (NHBT-2011), Department of Biotechnology, National Institute of Interdisciplinary Science and Technology (CSIR), Trivandrum, India, November 21-24, 2011. Title: Bioactive compounds from marine bacteria downregulate proinflammatory cytokines in mitogen induced PBMC. 3. Presentation in International Conference on Genomic Sciences 2010 & VII Convention of Biotech Research Society, India (BRSI) & Indo-Italian Workshop on Industrial and Pharmaceutical Biotechnology, School of Biological Sciences, Madurai Kamaraj University, Madurai, India. November 12-14, 2010. Title: Induction of Apoptosis and cell cycle arrest by Bis (2-ethylhexyl) phthalate produced by Marine <i>Bacillus pumulis</i> MB 40. 4. Presentation in International conference on bioprocesses in food industries and fifth convention of BRSI. Nov. 6-8, 2008. Osmania University, Hyderabad, India. Title: Phthalate esters from <i>Wrightica tinctoria</i> down regulate pro-inflammatory cytokines in PBMCs. 5. Presentation in International conference on molecular biology and biotechnology. Banasthali Vidhyapith Banasthali, Rajasthan. India. OCT. 19-21, 2008. Title: Development of transgenic <i>Gluconacetobacter</i>

	<p><i>diazotrophicus</i> containing <i>Cry1Ac</i> gene for the control of <i>Eldina saccharina</i>.</p>
<p>Details of Papers Published in Journals/Books</p>	<ol style="list-style-type: none"> 1. A.Parthiban, J. Muthukumaran, A. Moushumi Priya, S. Jayachandran, R. Krishna and H. Surya Prakash Rao. Design, synthesis, molecular docking studies and biological evaluation of N-methyl-3-nitro-4-(nitromethyl)-4H-chromen-2-amine derivatives containing 4H-chromene moiety as potential anticancer agents. Medicinal Chemistry Research. 2014, 23, 642-659. IF: 1.27. 2. K. R. Rupesh, A. Moushumi Priya, K. Prashanth and S. Jayachandran. Inhibitory effects of bioactive leads isolated from <i>Pseudomonas aeruginosa</i> PS3 and <i>Pseudomonas fluorescens</i> PS7 on MAP kinases and down regulation of pro inflammatory cytokines (TNF-α, IL-1β,) and mediators (NO, iNOS and COX). Toxicology In vitro. June 2012, 26 (4), 571-578. IF: 2.546. 3. A. Moushumi Priya and S. Jayachandran. Induction of Apoptosis and cell cycle arrest by Bis (2-ethylhexyl) phthalate produced by Marine <i>Bacillus pumilus</i> MB 40. Chemico Biological Interaction. 2012, 195,133-143. IF: 2.832. 4. M. Subashini, A. Moushumi Priya, B. Sundarakrishnan, S. Jayachandran. Recombinant <i>Gluconacetobacter diazotrophicus</i> Containing <i>Cry1Ac</i> Gene Codes for 130-kDa Toxin Protein. Journal of Molecular Microbiology Biotechnology. August, 2011, 20, 236-242. IF: 2.648. 5. K. Ashalatha, Y. Venkateswarlu, A. Moushumi Priya, P. Lalitha, M. Krishnaveni and S. Jayachandran. Anti inflammatory potential of <i>Decalepis hamiltonii</i> (Wight and Arn) as evidenced by down regulation of pro inflammatory cytokines—TNF-α and IL-2. Journal of Ethnopharmacology. 6 July 2010, 130 (1), 167-170. IF: 2.986. 6. K. R. Rupesh, A. Moushumi Priya, B. Sundarakrishnan, R. Venkatesan, B.S Lakshmi and S. Jayachandran. 2, 2'-bipyridyl based Copper complexes down regulate expression of pro-inflammatory cytokines and suppress MAPKs in mitogen induced Peripheral blood mononuclear cells. European Journal of Medicinal Chemistry. June 2010, 45 (6), 2141-2146. IF: 3.096. 7. P. Saravanan, A. Moushumi Priya, B. Sundarakrishnan, V.P.Venugopalan, T.S. Subbarao and S. Jayachandran. Effects of thermal discharge from a nuclear power plant on culturable bacteria at a tropical coastal location in India. Journal of Thermal Biology 2008,33; 385-394. IF: 1.305.
<p>Details of Conference/Seminars/Symposia Organized</p>	<ol style="list-style-type: none"> 1. Conducting Hands-on workshop on “Molucular and cellular basis of anti-microbial immune responses in the gastrointestinal tract” (February 26 to March 2, 2007), Department of Gastrointestinal Sciences, Christian Medical

	College & Hospital, Vellore.
Details of Conference/ Seminars/Symposia Attended	
Abroad Visit for academic purpose, if any	
Details of Refresher course attended	UGC- ACS, Pondicherry University (August, 2014)
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Other relevant information, if any (Achievements, Awards, etc.)	<ul style="list-style-type: none"> • M.Sc. Scholarship (2004-2006): Combined Biotechnology Entrance Examination, Jawaharlal Nehru University, New Delhi. • GATE-LS (2007-2009): Indian Institute of Technology, Kanpur. • CSIR-NET-LS (2009): Council of Scientific and Industrial Research, New Delhi.