



## PROFILE

**Dr. J. ARITCHELVI**, M.Sc. Ph.D

Lecturer in Bio Chemistry,

Chaitanya Degree & PG College for women

☎ 6301984800

chelvivalan@gmail.com



<b>Educational Qualifications</b>	<ul style="list-style-type: none"><li>● Ph.D. Biotechnology (IIT Madras) 2013</li><li>● M.Sc. Biotechnology (Loyola College, University of Madras) 2001</li><li>● B.Sc. Biochemistry (Holy Cross College, Bharathidasan University) 1999</li></ul> DCA (LIBA – Informatics Centre, Loyola College, Chennai) 2001
<b>Area of Specialization</b>	<b>Biotechnology &amp; Biochemistry: Isolation, purification and physico-chemical characterisation of proteins, biosurfactants and natural products</b>
<b>Work Experience</b> <ul style="list-style-type: none"><li>● Teaching</li><li>● Research Experience</li><li>● Industrial experience</li><li>● National Level Exams Qualified</li></ul>	2 years (2001 – 2003) 10 years (2003 – 2013)  1 year (2013 – 2014)  LS – NET (2002) and GATE (2003 & 2006)
<b>Date of Joining</b>	24-09-2021
<b>Strength</b>	<ul style="list-style-type: none"><li>● Clarity in fundamental concepts of Life Sciences and research experiences</li><li>● Passionate about teaching</li></ul>
<b>Languages known</b>	Tamil & English
<b>Software skills</b>	<ul style="list-style-type: none"><li>● Excel</li><li>● Word</li><li>● PowerPoint</li></ul>



<b>Courses taught</b>	<ul style="list-style-type: none"><li>● <b>Post Graduate Level</b> Biochemistry Bioprocess Technology Microbial and Enzyme Technology Industrial Microbiology Plant and Animal Biotechnology Developmental Biology</li><li>● <b>Undergraduate Level</b> Biomolecules Bioenergetics, Enzymology and Intermediary metabolism Clinical Biochemistry Haematology and Immunological techniques</li></ul>
<b>Webinar / Seminars</b>	<ul style="list-style-type: none"><li>● <b>State seminar on Recent advances in aquatic ecosystem.</b></li><li>● <b>National Seminar on research methodology</b></li><li>● <b>Webinar by Spinco Bio tech with IARI on pesticide analysis with food using mass spectrometer</b></li><li>● <b>Webinar on stem cells</b></li><li>● <b>National seminar on “THE CONSTITUTION OF INDIA”</b></li></ul>
<b>Faculty Development Programmes / Workshops</b>	<ul style="list-style-type: none"><li>● <b>Participated in “ One Day Consultation Workshop with Civil Society Groups On National Curriculum Framework” jointly organized by central Tribal University of Andhra Pradesh, Vizianagaram and Andhra University.</b></li><li>● <b>Organized by Workshop on Women Entrepreneurship</b></li><li>● <b>J. Arutchelvi, M. Doble, (15th to 17th July, 2012) Effect of counterions on micellar morphologies of cycliclipopeptide produced by Bacillus subtilis YB7. Poster presentation. Colloids and Nanomedicine 2012, Amsterdam, The Netherlands. <u>Received IIT Madras Alumni fund</u></b></li><li>● <b>J. Arutchelvi, M. Doble, (3rd to 4th September, 2010) Characterisation of biosurfactants produced by bacteria. Oral presentation. RSC-West India section PhD student’s symposium, Goa University, Goa, India.</b></li><li>● <b>J. Arutchelvi, S. Bhaduri, P.V. Uppara, M. Doble, (12th to 13th December, 2009) Biosurfactant produced by microorganism isolated from petroleum contaminated site. Oral Presentation.</b></li></ul>





Malaysian International Conference on Trends in Bioprocess Engineering, MICOTriBE 2009, PWTC, Kuala Lumpur, Malaysia.

- J. Arutchelvi, S. Bhaduri, P.V. Uppara, M. Doble, (12th to 14th August, 2009) Production and characterization of biosurfactant from *Bacillus subtilis* YB7. Oral Presentation. 3rd International Conference on Chemical and Bioprocess Engineering (ICCBPE-2009), Kota Kinabalu, Sabah, Malaysia. Received DST Travel Grant
- Arkatkar, J. Arutchelvi, S. Bhaduri, P.V. Uppara, M. Doble, (21st to 24th November, 2007) Biodegradation studies on thermally pretreated polypropylene. Poster Presentation. International conference on new horizons in biotechnology (NHBT 2007), NIIST, Trivandrum, India.
- J. Arutchelvi, A. Arkatkar, S. Bhaduri, P.V. Uppara, M. Doble, (11th to 12th January, 2007) Biodegradation of polypropylene with soil organism. Poster Presentation. 5th International Conference on Indian Association of Applied Microbiologist (IAAM) on Emerging trends and evolving technologies in applied microbiology with special reference to microbial nanotechnology, Sri Sankara Arts and Science College, Enathur, Kanchipuram, India.
- D. Ketkar, J. Arutchelvi, A. R. Shenoy, U. A. Ramagopal, S. S. Visweswariah and K. Suguna, (10th to 12th January, 2005) Crystallographic analysis of nucleotide cyclases from *Mycobacterium tuberculosis*. Oral Presentation. 34th National Conference on Crystallography, University of Guwahati, India.
- Participated in CCP4 workshop at Indian Institute of Science, Bangalore. March, 2005
- Participated in Faculty Development Program for Research Scholar (FDP – RS) at Indian Institute of Technology Madras, Chennai. August, 2011
- Participated in Teaching Assistant Training Program - 2012 at Indian Institute of Technology Madras, Chennai. February, 2012
- Participated in one day Workshop on “women Entrepreneurship” organized by Chaitanya Degree and PG. College for Women on March 8 the 2023.

## Publications

- [https://scholar.google.com/citations?view\\_op=list\\_works&hl=en&user=PMrpg7qAAAAJ](https://scholar.google.com/citations?view_op=list_works&hl=en&user=PMrpg7qAAAAJ)