

1. **Name** - JABA PRIYA.T
2. **Designation** - Assistant Professor
3. **Educational Qualification** - M.Sc.,M.Phil.
4. **Courses taught at MCC** - Inorganic chemistry, Environmental Chemistry, Materials Science, Coordination Chemistry.

5. Administrative Experience, if any, in MCC-

- Member of CWS, MCC and helped in several projects of CWS like
 - ❖ In charge of Greenesque – a shop exclusively for ecofriendly products
 - ❖ Helped CWS unit in the conduct of Food fest and in Jumble Sale
 - ❖ Helped CWS for the Healthy snack project for the Staff.
- Served as a Polling officer in department elections.
 - ❖ Served as a member of DBT, Star College Committee, Madras Christian College, 2009-11
- Helped the Department for the DBT Star College program- conducting workshops, preparing practical manual and in maintaining the accounts 2009-2014.
- In charge of Remedial Classes for academically poor students 2008-09 and 2015-16.
- Active member of Swaswa.
- Helped the Department in Service Learning projects (Water analysis project and Food adulteration studies)
- Assisted the College Admissions committee- 2005-06.

6. Orientation and Refresher Courses Attended

- Attended the Orientation Course Batch, 102, organized by the UGC,HRD Centre, during 02/09/2011 to 29/09/2011
- Attended the Refresher Course Batch VII on Nano Sciences and Nano Technology – Batch VII, organized by the UGC,HRD Centre, University of Madras during 17/11/2015 to 07/12/2015.

7. Papers presented in National & International Seminars / Conferences

INTERNATIONAL CONFERENCE

- ‘Cucurbituril as a host molecule for the complexation of Cations and Acetamide in aqueous solution’ at the International Conference “Frontiers in Chemical Sciences” organized by the Department of Chemistry, Madras Christian College, Chennai. October 2008.
- ‘Recycling using Household Chemicals’ in the Sixth International Conference on Hands on Science (HSCI 2009) Science for All: Quest for Excellence organised by, The Science City, Ahmedabad, India, October 27th - 31st 2009.
- ‘Pet bottles and Informal Recyclers’ in the IV International Conference of Organization for studies in literature and environment –India, organised by Department of English & Botany, National College, Tiruchirapalli, Sep, 2009.
- Hi-tech (E)-waste management – the remedy for environmental degradation, International Conference of Organization for studies in literature and environment –

India, at National College, Tiruchirapalli, Department of English & Botany, National College, Tiruchirapalli, Sep2009.

- Service Learning Approach to Recycling' at the International Conference on New Horizons in Education organized by, INTE held at Salamis Bay Conti Resort Hotel – Famagusta / North Cyprus during, June 2010.

NATIONAL CONFERENCE/SEMINAR

- 'Structural study of Quercetin-Al(III) complex by analytical techniques' in the National seminar on novel trends in synthesis, structure, reaction dynamics and biological studies of coordination compounds, Department of chemistry, Gandhigram Rural institute-Deemed university, March 2005.
- "Structural study on the interaction of Quercetin-Al(III) complex" at the ONE DAY STATE LEVEL P.G AND M.Phil STUDENTS TECHNICAL SEMINAR IN PHYSICAL SCIENCES, Department of physics, Ethiraj College for Women, Chennai, March 2005.
- "Spectroscopical and electrochemical studies on the interaction of quercetin with Al(III)" at the UGC SPONSORED NATIONAL LEVEL CONFERENCE ON RECENT TRENDS IN CHEMISTRY OF BIOLOGICALLY INTERESTING COMPOUNDS, Department of Chemistry, VHNSN College, Virudhunagar, JULY 2005.
- "Synthesis and Spectral investigation of Quercetin-Al(III) " at the UGC AND UNITED BOARD FOR CHRISTIAN HIGHER EDUCATION IN ASIA SPONSORED NATIONAL SEMINAR ON MOLECULAR SPECTROSCOPY AND REACTION DYNAMICS, Stella Maris College, Chennai, JANUARY 2006.
- Adsorption assisted Biodegradation of dyes- An Eco-friendly at the National Conference on ECO, SONO and NANO Chemistry and recent advancements in Chemistry, New College, Chennai, Dec 2006.
- 'Nano in natures hands' at the National symposium in Nanoscience and technology', Vels College of Science, Pallavaram, Chennai, February 2007.
- "Nano- An Evolution from Nature" at the National Conference on "Chemistry- The Essential Science of 21st Century", Department of Chemistry, Women's Christian College, Chennai. December 2008.
- 'Study on Cucurbituril as host molecule for the complexation of cations and acetamide in aqueous solution' at the National Conference, Auxillium College, January 2010.
- 'Tackling the climate change through Service Learning' at the National Conference on Climate Change and Future directions, Loyola College, January 2010.
- Complexation of macromolecule cucurbituril with metals and acetamide' at the National Conference, Department of Physics, Womens Christian College, Chennai, February 2009.
- 'Pilot study on the water management and water quality in MCC campus' and presented it in the workshop on 'Creating Green Campuses: A comprehensive approach' organized by USEID and MCC, February, 2010 at MCC, Chennai.

- 'Water contamination by e-waste' in a National seminar on Advances in Laser spectroscopy and nanomaterials, Department of Physics, Nehru Gram Bharathi University, Allahabad during 5 – 7 March, 2011.
- Study on the Complexation of macromolecule cucurbituril with metal and acetamide at the National Conference on new Renaissance in Chemical Research, Department of Chemistry, SRM University, March 2011.
- Alkaline hydrolysis of poly(ethylene terephthalate) in the presence of phase transfer Catalyst' at the National Conference, Auxillium College, Vellore. December 2012.
- Recycling of pet bottles: depolymerization by alkaline hydrolysis in the presence of phase transfer catalyst, Two day special Programme "innovations in Science and technology for inclusive development" conducted by Indian Science Congress Assosiation - Chennai Chapter (ISCA) jointly with SRM University, Kattankulathur, Medical college auditorium, SRM University, Kattankulathur. Dec 2013
- Host-guest complexes of cucurbituril with benzamide and cations in aqueous solution *National Conference on Recent Trends in Applied Chemistry (NCRTAC–2016), Easwari Engineering College, Ramapuram, Chennai, Tamilnadu, May 2016.*
- Service Learning Strategy for Solid waste management, Authors workshop, UB projects 2010-12, compendium –Environmental action, organized by UBCHEA at the *Karunya University, Coimbatore, 23 and 24th May 2016.*
- Host-guest complexes of cucurbituril with benzamide and cations in Ionic liquids . *National Conference on Green Chemistry and Sustainable environment – , Dept of Chemistry, Abdur Rahman University– August 2-3 2016.*

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8. Publications & Books Authored

- "Mineralization of Reactive Dyes", *Bull. Env. Sci., Vol. IV, Issue 1, pp. 33-37, 2006*
- Adsorption assisted biodegradation of Dyes, *Eco-Chronicle, 2, pp 87-90, 2007*
- Cucurbituril as a host molecule for the complexation of cations and acetamide in aqueous solution in *The Asian Journal of Experimental Chemistry'* (Vol 4, Issue 1 & 2, June and December, 2009)
- 'Study on the Complexation of Macromolecule Cucurbituril with Metals and Acetamide' in *International Journal of Chemistry and Applications, Vol. 4, Number 3, 219-226, 2012.*
- 'Recycling of PET waste by depolymerization using Phase Transfer Catalysts' in *International Journal of Chemistry, Vol 2 (1) , 86 – 91, 2013.*
- 'Sorption of dyes using cucurbituril' in *International Journal of Chemistry and applications, Vol. 5 (2) , 141-151, 2013.*
- Microwave Assisted Depolymerization of Post Consumer PET Waste Using Phase Transfer Catalysts, *Chem. Educator 2014, 19, 1–3.*
- Service Learning Approach to Recycling, *International Journal for Service Learning in Engineering Vol. 9, No. 1, pp. 108-116, Spring 2014*
- Host-guest complexes of cucurbituril with benzamide and cations in aqueous solution, *International Journal of Scientific Research and Modern Education (IJSRME) ISSN (Online): 2455 – 5630*

- Co-authored a book for 'Service-Learning Hand Book' and a hand-out for students sponsored by UBCHEA, 2010.
- co-authored manuals on "Biotechnology for Chemists" and "Pedagogical potency in Chemistry Education" sponsored by University Grants Commission.
- Authored an article 'Service learning strategy for solid waste management' in the book -A Compendium for Environmental action, by UBCHEA, October 2016.

9. Resource Person in Conferences/Workshops etc.

- Served as a **Resource Person** for the PRACTICAL TRAINING TO PG TEACHERS OF CORPORATION SCHOOLS SPONSORED BY THE EDUCATION DEPARTMENT OF GOVERNMENT OF TAMIL NADU and organised by the Department of Chemistry, Madras Christian College, November 2005.
- Served as a **Resource Person** for the Workshop on 'Biotechnology for UG Students' organized by the Department of Chemistry, Madras Christian College, funded by DBT, Star College Scheme, Dec 2009.
- Invited Lecture on 'Case Study presentation of SL models-MCC: Service Learning models in the Department of Chemistry' in the forum for Service Learning through Global partnership organized by the Department of Social Work, MCC and Appalachian University, USA January 2011.
- Service as a Resource Person for the Workshop for Faculty of Madras Christian College on "Service Learning" funded by UBHEA
- Served as a Resource Person for the UGC sponsored workshop 'Biotechnology of solid waste' funded by UGC organized by the Department of Chemistry, MCC, March 2011.
- Served as a Resource person for the Workshop 'Pedagogical potency for Chemistry Education' sponsored by UGC during February 2012.
- Served as a judge for Science Exhibition conducted by Easwari Engineering College, Ramapuram October 2016

10. Recognition as Research Supervisor for M.Phil. and Ph.D. ---

11. Other Distinctions

- Received a UGC minor project grant for Rs. 1,25,000/- entitled 'Host guest behaviour of cucurbituril towards metal ions, benzamide and bipyridyl.' –UGC Sanction No. MRP- 4164/12.
- SYSTEMIZING THE RECYCLING METHODS AND REVIVING THE LIFE OF INFORMAL RECYCLERS funded by UBCHEA, US\$ 2,500/- (2010-June 2011), this project was aimed to carry out participatory waste management by simple recycling techniques.
- Served as a Mentor for the DBT star College Scheme funded Project, 'Recycling of Pet bottles' Sep –Jan 2012.
- Conducted a pilot study on the water management and water quality in MCC campus, January 2010.
- In-Charge for Service Learning Program 2009-11, monitored the students in different projects

- (i) Water analysis in Aranganathapuram, Tambaram (ii) Food adulteration studies



12. Recent Passport size photograph