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Education

2015- **PhD Environmental Chemistry**, PSG CAS, Bharathiar University, India.

*PhD Thesis: Supercritical Antisolvent Precipitation of Polyphenols and Terpenes
Fine Particles from *Olea europaea* and *Eucalyptus globulus* Leaves*

2010- **MSc Chemistry**, Bharathidasan University, India.

2004- **BSc Chemistry**, Bharathiar University, India.

Publications

♦ **Precipitation of antioxidant fine particles from *Olea europaea* leaves using supercritical antisolvent process, *The Journal of Supercritical Fluids* 97 (2015) 125-132.**

C. Chinnarasu, A. Montes, M^a.T. Fernández-Ponce, L. Casas, C. Mantell, C. Pereyra, E. Martínez de la Ossa.

♦ **Natural antioxidant fine particles recovery from *Eucalyptus globulus* leaves using supercritical carbon dioxide assisted processes, *The Journal of Supercritical Fluids* 101 (2015) 161- 169.**

C. Chinnarasu, A. Montes, M^a.T.Fernández-Ponce, L. Casas, C. Mantell, C. Pereyra, E. Martinez de la Ossa, S. Pattabhi.

♦ **Preparation of potent antioxidants polyphenol fine particles by supercritical antisolvent process using different extracts of *Olea europaea* leaves, *Korean Journal of Chemical Engineering* 33 (2) (2016) 594- 602.**

Chandrasekar Chinnarasu, Antonio Montes, M^a Teresa Fernandez, Lourdes Casas, Casimiro Mantell, Clara Pereyra, Pattabhi Sangma, Enrique Martinez de la Ossa.

♦ **Removal of reactive yellow from aqueous solution by using *Ricinus Communis* Pericarp Carbon as an adsorbent, *International Journal of Advanced Life Sciences*, 5 (2013) 404- 416.**

K.Manickavasagam, S.Dhanakumar, C. Chandrasekar, P.Ram Narayanan, S.Pattabhi.

Presentations

- ♦ **Natural bioactive microparticles from eucalyptus leaves by supercritical fluid processes.** 13MCCE, Barcelona, Spain, 2014.
- ♦ **Generation of microparticles of natural antioxidants using supercritical fluids.** *International workshop for agrifood research collaboration between University of Debrecen, Hungary and University of Cadiz.* Puerto Real, Spain, 2014.

Award

- ♦ **eidA3–ceiA3** Grant for the preparation of co- supervised doctoral thesis from foreign PhD students, Spain.

Related work experience

2012- 2015 Department of Environmental Science, PSG College of Arts and Science, Coimbatore, India (Advisor: Dr. S. Pattabhi)

2013 - 2014 Department of Chemical Engineering and Food Technology, University of Cadiz, Spain (Advisor: Prof. Clara Pereyra)

2012 - 2013 Tutor Department of Environmental Science, PSG College of Arts and Science, Coimbatore, India.

2011- 2012 Project fellow, Department of Organic Chemistry, University of Madras, Chennai, India.

2010 - 2011 Lecturer, Department of Chemistry, Adiparasakthi Polytechnic College, Harur, India.

Research interests

Supercritical fluids process, Green Nanotechnology, Natural Bioactive nanoparticles, Polymeric nanoparticles.

References

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| Prof. Clara Pereyra | Department of Chemical Engineering and Food Technology
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| Dr. S. Sundararajan | Coastel and Environmental Engineering Department
National Institute of Ocean Technology, Chennai, India.
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