

FACULTY PROFILE

Dr. C. Chandrasekar, PhD,

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EDUCATIONAL QUALIFICATION

Degree	Institution	University	Percentage/ CGPA	Year of passing
PhD Chemistry (Interdisciplinary with Environmental Science)	Bharathiar University	Bharathiar University	NA	2017
MSc Chemistry	MR College of Arts and Science, Thathanur	Bharathidasan University	67.58	2010
BSc Chemistry	Govt Arts College , Coimbatore	Bharathiar University	62.3	2004
HSC	PDR MM Hr Sec School, Pappireddipatti.	TN State board	78.5	2000
SSLC	Govt High School, Molayanur	TN State board	80	1998

AREAS OF INTEREST

- Natural Products Chemistry
- Plant based Nutraceuticals
- Food Chemistry

Fellowships & Awards

- 2019** Fellowship funded by Talented Young Scientist Program (TYSP), China
2013 eidA3 – ceiA3 Grant for Co-Doctoral Thesis program, Spain

Employment

- Since 07/2021** Assistant Professor, Department Food Technology, K.S.Rangasamy college of Technology, Tiruchengode, India
- 2020-2021** Assistant professor, Department of Chemistry, Siri PSG arts and science college for women, Sankari, India.
- 2019-2020** Assistant researcher, College of life science and medicine, Zhejiang Sci-Tech University, Hangzhou, China.

2017-2019	Assistant professor, Department of chemistry, Kamadhenu college of arts and science (Affiliated to Periyar University), Dharmapuri, India
2016	Chemist, Coastal Environmental Engineering Department, National Institute of Ocean Technology, Chennai, India
2013-2014	Researcher, Department of Chemical Engineering and Food Technology, University of Cadiz, Cadiz, Spain
2011-2012	Project Fellow, Department of organic chemistry, University of Madras, Chennai, India

List of publications

- Precipitation of antioxidant fine particles from *Olea europaea* leaves using supercritical antisolvent process. **C. Chinnarasu***, A. Montes, M. T. Fernandez-Ponce, L. Casas, C. Mantell, C. Pereyra, E.J. Martinez de la Ossa. *The Journal of Supercritical Fluids* (2015) 97,125- 132. Doi: [10.1016/j.supflu.2014.11.008](https://doi.org/10.1016/j.supflu.2014.11.008) (IF:4.577)
- Natural antioxidant fine particles recovery from *Eucalyptus globulus* leaves using supercritical carbon dioxide assisted processes. **C. Chinnarasu***, A. Montes, M. T. Fernandez-Ponce, L. Casas, C. Mantell, C.Pereyra, E.J. Martinez de la Ossa, S. Pattabhi. *The Journal of Supercritical Fluids* (2015) 101, 161-169. Doi: [10.1016/j.supflu.2015.03.013](https://doi.org/10.1016/j.supflu.2015.03.013) (IF: 4.577)
- Preparation of polyphenol fine particles potent antioxidants by a supercritical antisolvent process using different extracts of *Olea europaea* leaves. **C. Chinnarasu**, A. Montes, M. T. Fernandez-Ponce, L. Casas, C. Mantell, C. Pereyra, S. Pattabhi, E.J. Martinez de la Ossa. *Korean Journal of Chemical Engineering* (2016) 33, 594- 602. Doi: [10.1007/s11814-015-0166-z](https://doi.org/10.1007/s11814-015-0166-z) (IF:3.390)
- Synthesis, in vitro Cytotoxicity, and DFT studies of Novel 2-Amino Substituted Benzonaphthyridines as PDK1 Inhibitors. P. Kolaindavel, S. Rajendran, V. Nasif, K. Sayin, J.Saranya, **C. Chandrasekar**, R. Prasad. *ChemistrySelect* (2022) Doi:[org/10.1002/slct.202200288](https://doi.org/10.1002/slct.202200288) (IF: 2.109)
- Extraction and characterization of novel polysaccharides from *Annona squamosa* fruit peel using ultrasound assisted extraction. **C.Chinnarasu***. *International Journal of Pharmacy and Pharmaceutical research* (2018) 12, 267- 278.
- Potential for Fourier transform infrared (FTIR) spectroscopy toward predicting phytochemicals with potent antioxidant activity in leaves of *Annona squamosa* Linn. **Chandrasekar. C***. *Indian Journal of Pharmaceutical Sciences* (2020) Under Review.

Conference presentations

- Microwave assisted extraction of Natural antioxidants from *Annona squamosa* leaves. Chandrasekar Chinnarasu. Virtual International Conference on Chemistry Frontiers & Challengers (ICCF- 2022), Coimbatore, India. (Oral)
- Natural antioxidant microparticles from *Olea europaea* leave by supercritical fluid processes. C. Chinnarasu, A. Montes, M.T. Fernandez, L. Casas, C. Mantell, C. Pereyra, E.J. Martinez de la Ossa. FLUCOMP, Spain, 2014 (Poster)

- Natural bioactive microparticles from Eucalyptus leaves by Supercritical fluid processes. C. Chinnarasu, A. Montes, L. Casas, C. Mantell, C. Pereyra, E.J. Martinez de la Ossa. 13th MCCE, Barcelona, Spain, 2014 (Poster)

Webinar presentation

- Antioxidants from Natural Resources. National level webinar on Sustainable Chemistry & Technology at Siri PSG Arts and Science College for Women, Sankari, Salem, India. (2020)

Workshop presentation

- Generation of micro particles of natural antioxidants using supercritical fluids. First International workshop for Agri food research collaboration between University of Debrecen (Hungary) and University of Cadiz, Puerto Real, Spain. 2014 (Oral)

Organization of scientific meetings

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| 2020 | National level webinar on “Sustainable Chemistry & Technology” at Siri PSG Arts and Science College for Women, Sankari, Salem, India. (Convener) |
| 2019 | International Conference on “Recent Trends in Chemical Sciences” at Kamadhenu College of arts and science, Dharmapuri, India. (Convener) |
| 2017 | National Conference on Emerging trends in “Organic, Nanomaterials, and Green synthesis” at Kamadhenu College of arts and science, Dharmapuri, India. (Co-organizer) |

Students supervision

- MSc (completed) : 5 Nos
- B. Tech (ongoing) : 10 Nos