

FACULTY PROFILE



Dr. Suganthi C currently serves as Assistant Professor at the Department of Biochemistry at Auxilium College (Autonomous), Vellore. She has 4 years of teaching experience. She completed her B. Sc at K.M.G. College of Arts & Science (Affiliated to Thiruvalluvar University) and acquired M.Sc from VIT University, Vellore. She obtained her Ph. D in the year of 2016 from VIT University, Vellore. Her research interests include characterization and purification of enzymes. She has published papers in various international journals and conferences.

VIEWMORE

1. Name: Dr. Suganthi .C
2. Designation: Assistant Professor in Biochemistry
3. Qualification: M.Sc., Ph. D
4. Mobile number: 9600510200
5. E-mail id: suganthibio@auxiliumcollege.edu.in
6. Teaching Experience: 4 years
7. Area of specialization: Enzymology
8. Research Experience and Guidance: Nil
9. Projects Completed / Ongoing: Nil
10. No. of Papers Published: 8
11. No. of Papers Presented in the National/ International/ Seminars/ Workshops/ Conferences: Nil

12. No. of Seminars/Workshops/Conferences organized: Nil

PUBLICATIONS

Publications in Journals

1. **Chandrasekaran Suganthi**, Anbazhagan Mageswari, Sivashanmugam Karthikeyan, K .M Gothandam: Insight on biochemical characteristics of thermotolerant amylase isolated from extremophile bacteria *Bacillus vallismortis* TD6 (HQ992818). **Microbiology. 2015**; 84:239247.
2. **Chandrasekaran Suganthi**, Anbazhagan Mageswari, Sivashanmugam Karthikeyan, Moorthy Anbalagan, Sivakumar A, K M Gothandam: Screening and optimization of protease from a halotolerant *Bacillus licheniformis* isolated from saltern sediments. **Journal of Genetic Engineering and Biotechnology. 2013**; 11:47-52.
3. Mageswari A, Subramanian P, **Suganthi C**, Karthikeyan S, Babu S, Gothandam K.M. Optimization and immobilization of amylase obtained from halotolerant bacteria isolated from solar salterns. **Journal of Genetic Engineering and Biotechnology 2012**: 10: 201–208.
4. Anbazhagan Mageswari, Parthiban Subramanian, **Suganthi Chandrasekaran**, Sivashanmugam Karthikeyan, Kodiveri Muthukaliannan Gothandam: Systematic functional analysis and application of a cold-active serine protease from a novel *Chryseobacterium* sp. **Food Chemistry 2017**: 217: 18-27.
5. Srinivasan R, Mageswari A, Subramanian P, Maurya VK, **Suganthi C**, Amballa C, Sa T, Gothandam KM. (2017). Exogenous expression of ACC deaminase gene in psychrotolerant bacteria alleviates chilling stress and promotes plant growth in millets under chilling conditions.

Indian Journal of Experimental biology. 55: 463-468

6. **Chandrasekaran Suganthi**, Anbazhagan Mageswari, Manoharan Shankar, Kodiveri M Gothandam, Sivashanmugam Karthikeyan. Genome Sequence of *Bacillus vallismortis* TD3, a Salt-Tolerant Strain Isolated from the Sediments of a Solar Saltern in Tamil Nadu, India (2018). **Microbiol Res Announc. e00817-18.**
7. Manoharan Shankar, Anbazhagan Mageswari, **Chandrasekaran Suganthi**, Paramasamy Gunasekaran, Kodiveri M Gothandam, Sivashanmugam Karthikeyan. Genome Sequence of a Moderately Halophilic *Bacillus cereus* Strain, TS2, Isolated from Saltern Sediments (2018). **Microbiol Res Announc. e00873-18.**
8. Ramachandran Srinivasan, Anbazhagan Mageswari, Parthiban Subramanian, **Chandrasekaran Suganthi**, Amballa Chaitanyakumar, Velmurugan Aswini, Kodiveri Muthukalianan Gothandam. Bicarbonate supplementation enhances growth and biochemical composition of *Dunaliella salina* V-101 by reducing oxidative stress induced during macronutrient deficit conditions. **Scientific reports, 2018.**

Seminar/workshops Participated:

Participated in the seminar on **Mass Spectrometry** held at **VIT University** on 12th September 2012 .

Participated in the course on **Protein Characterization and Analysis** held at **Pall Life Sciences, Centre of Excellence, Bangalore** on 17-18th September 2012.

Participated in the training course on **Natural Product Chemistry and Industrial Biotechnology** held at **D.K.M. College for Women (Autonomous)**, on 15-30th May 2017.

Participated in the faculty development programme on **Quality Enhancement in Higher Education: Challenged and strategies** held at

D.K.M. College for Women (Autonomous), on 15th July 2017.

Participated in the faculty development programme on **One day workshop on Research and Development in Colleges** held at **D.K.M. College for Women (Autonomous)**, on 9th December 2017.

Participated in the **Two days faculty development workshop outcome-based education** held at **Don Bosco College, Guezou Nagar, Yelagiri Hills** on 26th and 27th October 2018.

Participated in the faculty development programme on **Making Video Lectures for Digital Learning Generation** held at **D.K.M. College for Women (Autonomous)**, on 2nd February 2019.

Participated in the faculty development programme on **Blooms Taxonomy for promoting Higher Order Thinking** held at **D.K.M. College for Women (Autonomous)**, on 23rd February 2019.

Participated in the faculty development programme on **NAAC-Evaluation Guidelines and self-study Report (SSR) Preparation** held at **D.K.M. College for Women (Autonomous)**, on 16th June 2022.

Participated in the **One-day State level Seminar on Recent Trends in Environmental Toxicology** organized by **Arcot Sri Mahalakshmi Women's College** on 7th November 2022.

Participated in the **one-day orientation programme on “SWAYAM PRABHA & MOOOCs - AN INTEGRAL PART OF EDUCATION”** held at **D.K.M. College for Women (Autonomous)**, on 21st January 2023.

Participated in the **International E- Conference on Innovation in Life Sciences (IECILS -2023)** organized by **Institution's Innovation Council, Sacred Heart College (Autonomous), Tirupattur** on 15th October 2023.

Participated in the **International Online workshop on “Research Methodology”** organized by **Global Institute of Statistical Solutions (GISS)** on 6st January to 8th January 2024.

Participated in the **National level e- Conference on the occasion of “International day of Biological Diversity 2024”** organized by **Department of Botany, Green Committee, Eco Club and NSS, Government City College (A), Nayapul, Hyderabad** on 22nd May 2024.

Participated in the **7 days Online Faculty Development Program on Essential Skills for professional Development in Higher Education** organized by **Star International Foundation for Research and Education** on 1st July 1 to 7th July 2024.

Participated in the **Seven Days International Online Short-Term Certificate Course On “Vermicomposting Technology – An Overview”** organized by **Sacred Heart College (Autonomous), Tirupattur** on 14th October to 20th October 2024.