

SRI SANKARA ARTS & SCIENCE COLLEGE

ENATHUR, KANCHIPURAM

STAFF PROFILE

DEPARTMENT OF BIOTECHNOLOGY

1.	Name of the Staff	Dr. D. Chitra
2.	Designation	Assistant Professor
3.	Date of Joining	16.02.2022
4.	Mobile Number	9597131988/8610793753
5.	E-Mail ID	Chitra18dhanasekar@gmail.com dchitrabt@sankaracollege.edu.in
6.	Nationality	Indian
7.	Academic Qualification	M.Sc., Ph. D.,
8.	Field of Specialization	Immunotechnology, Animal and Medical Biotechnology
9.	Ph. D., Thesis Title	Morin, a dietary flavanol suppresses monosodium urate crystal induced inflammatory response via the inhibition of NF-kB signaling pathway an <i>in vitro</i> and <i>in vivo</i> study
10	Awarding University, Year of Award	VIT University October 2016

11. Work Experience (in chronological order):

S. No.	Name of the Institution	Designation	Period
1	Sri Sankara Arts and Science College (Autonomous), Kanchipuram	Assistant Professor	February 2022 to till date
2	Sri Sankara Arts and Science College, Kanchipuram	Assistant Professor	June 2018 to March 2020
3	Vellore Institute of Technology (VIT)	Research Associate	June 2013 to October 2016

12. Other Academic and Administrative Responsibilities:

S. No.	Name of the Institution/Committee	Position	Period
1	Sri Sankara Arts and Science College/Forum	Coordinator	2019- 2020
2.	Sri Sankara Arts and Science College/Board of Studies, Department of Biotechnology	Member	2018-2020 2022-till date

13. Publications:**International and National Journals:**

- **Chitra Dhanasekar, Sowmiya Kalaiselvan and Mahaboobkhan Rasool.** Morin, a bioflavonoid suppresses monosodium urate crystal-induced inflammatory immune response in RAW 264.7 macrophages through the inhibition of inflammatory mediators, intracellular ROS levels and NF- κ B activation. PLOS ONE. 2015, Vol. 10, No. 12. pp. 1-19. [**Impact factor: 2.652**]
- **Chitra Dhanasekar and Mahaboobkhan Rasool.** Morin, a dietary bioflavanol suppresses monosodium urate crystal-induced inflammation in an

animal model of acute gouty arthritis with reference to NLRP3 inflammasome, hypoxanthine phospho-ribosyl transferase, and inflammatory mediators. 2016. European Journal of Pharmacology, [**Impact Factor: 4.7**]

- **Chitra et al.** Studies on antimicrobial activity of *Syzygium cumini* and *Syzygium alternifolium*. 2020. Annuals of Tropical medicine and Public Health. [**Impact Factor: 0.786**]

Book Chapters:

S.No	Authors	Chapter	Book	Year	Publisher	ISBN
1.	Sankari M, Reshma, Anjum M, K, R. Padma, Saathvika B, Mouni A, D. Chitra	Pigments	Bioactive metabolites	2025	Lambert Publications	978-93-5833-913-0

14. Awards / Distinction:

S.No	Name of Award	Awarding Agency	Year
1.	Best Research Award	VIT University	2015-2016

15. Seminars Conferences organized /Participation:

S. No	Name of the Program	Place	Organized/ Participated	Period
1	Development of Effective and Affordable Diagnostic and Treatment monitoring point of care assays for use in low and middle income countries	Global Biomedical Research Foundation, Chennai.	Participated	2025
2	Biotechnological Advances in Biomedical, Environmental and Agricultural Technology	Department of Biotechnology, Hindustan College of Arts and Science, Chennai	Participated	2024
3	Research Prospects And Progress In Biological Science	Faculty Of Science And Humanities Department of Biotechnology.	Participated	2022

		SRM University		
4	National conference entitled as “Frontiers in Cancer Research”	Arcot Sri Mahalakshmi Women’s College, Villapakkam	Participated	2020
5	Conference entitled as “Creation of Scientific Awareness”, supported by Tamilnadu State Council for Science and Technology (TNSCST)	Sri Sankara Arts and Science College, Kancheepuram	Participated	2020
6	National Conference on Applications of Computational Biology in Omics ACBO-18	Sri Sankara Arts and Science College, Kancheepuram	Participated and Organizing member	2019
7	Design and Innovation	MaDeIT Innovation Foundation, IIITDM kancheepuram	Participated	2019
8	41st annual conference of Immunocon 2014	Madurai Kamaraj University, Madurai	Participated and presented	2014

16. Workshop & Training Programmes:

S. No	Name of the Workshop	Place	Organized/ Participated	Period
1	National Level workshop on Computer-aided drug design and discovery (CADDD)	Sri Sankara Arts and Science College, Kancheepuram	Organizing member	2024
2	National Science Academies’ Lecture Workshop On “Biotechnology – Principles And Practice	Sri Sankara Arts and Science College, Kancheepuram	Organizing member	2022
3	Current Trends in Biotechnology	Sri Sankara Arts and Science College, Kancheepuram	Organized	2019

4	The Art of Writing Winnable Project Proposals	Sri Sankara Arts and Science College, Kancheepuram	Participated	2019
5	Workshop on Peripheral Blood Mononuclear Cells	Sri Sankara Arts and Science College, Kancheepuram	Organized	2019
6	Inauguration of Watson and Crick Forum and one day workshop on Foldscope	Sri Sankara Arts and Science College, Kancheepuram	Organized	2019
7	Stem Cell Research and Techniques	Sri Sankara Arts and Science College, Kancheepuram	Participated	2018

17. Projects:

S.No.	Title of the project	Degree	Academic Year	Funding agency
1	Assessment Of The Uric Acid-Lowering Effect Of <i>Ormocarpum Cochinchinense</i> Leaf Extracts In A Hyperuricemic Zebrafish Model	M.Sc	2024-2025	TNSCST/Selected

18. Others:

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