

TRICHY ENGINEERING COLLEGE
Sivagnanam Nagar, Trichy-Chennai NH, Konalai, Trichy - 621 105.

FACULTY PROFILE

Name (in BLOCK LETTERS)	Dr.G.MANGAIYARKARASI
Present Designation &Dept:	Professor, Chemistry & HoD/ S&H
Subject Area of Interest	Synthetic Organic Chemistry
Passport photo	
Address (for communication)	Dr.G.MANGAIYARKARASI 33,Officers Colony, Kothari Sugars & Chemicals P Ltd, Kattur,Lalgudi, Trichy-621706 INDIA. Mobile No. : 9524685900 Email ID: govindanmangaiphd@gmail.com
Address (Office)	Dr.G.MANGAIYARKARASI PROFESSOR/CHEMISTRY TRICHY ENGINEERING COLLEGE Sivagnanam Nagar, Konalai, Trichy - 621 105. Mobile No.: 9524685900/8778832242 Email ID:mangaiyarkarasig@trichyengg.ac.in
Date and Place of Birth	21.03.1975 Thanjavur
Gender	FEMALE
Marital Status	MARRIED
Nationality	Indian
Membership in Professional Bodies	-- NIL --

01)Research & Educational Degree(s):

Research Degrees	Dept./Subject (Specialization)	Title of the Dissertation / Thesis	Year of award	University	
Ph.D.	CHEMISTRY	Synthesis, Characterization & Biological evaluation of new type of carbanionic sigma complexes ...	2015	Bharathidasan University, Tiruchirappalli	
Educational Degrees/ Exams	Name of the Board/ Institution / University	Subject/ Specialisation	Year of Passing	% of Marks/ CGPA	Division/ Class/ Grade
M.Phil	Seethalakshmi Ramaswami College, Trichy. Bharathidasan University	CHEMISTRY	2001	84%	First Class with distinction
M.Sc	Seethalakshmi Ramaswami College, Trichy. Bharathidasan University	CHEMISTRY	1997	83%	First Class with distinction
B.Sc	Seethalakshmi Ramaswami College, Trichy. Bharathidasan University	CHEMISTRY	1995	88%	First Class with distinction
H.S.C	Boiler Plant Girls Higher Secondary School, Trichy. TN State Board	Biology, Maths, Physics and Chemistry	1992	87.66%	First Class
S.S.L.C	Boiler Plant Girls Higher Secondary School, Trichy. TN State Board	General Sciences	1990	90.4%	First Class

02) Teaching Experience/Post(s) held :

Teaching experience : U.G. Classes for B.E./B.Tech /B.Sc : 23 years 05 Months

College/ Institution	Designation	Duration		Experience	
		From	To	Year	Month
Urumu Dhanalakshmi College	Asst.Prof.	08.07.2004 - 24.07.2005		1 year	
Seethalakshmi Ramaswami College	Lecturer	26.10.1997- 11.04.2000		2 years 5 months	

03) Administrative experience(s)

Such as Dean, HoD, T&P, NSS, Hostel, Exams, Admissions, Committee

Description	Role(s)	Duration	From To Dates
HOD	First year coordinator,	4 years	2.09.2021 to till date

05) Research Papers in Peer-Reviewed or UGC listed Journals**INTERNATIONAL JOURNALS/CONFERENCES**

1. Kalaivani, D. & Mangaiyarkarasi, G., Acta Crystallographica Section E, "N,N-Diethylanilinium 5-(2,4-dinitrophenyl)-2,6-dioxo-1,2,3,6-tetrahydropyrimidin-4-olate", E69, o3-o4 (2013).
2. Mangaiyarkarasi, G. & Kalaivani, D., Acta Crystallographica Section E, "Trimethylammonium (2,4-dinitrophenyl)-2,6-dioxo-1,2,3,6-tetrahydropyrimidin-4-olate 0.125 hydrate", E69, o592-o593 (2013)
3. Mangaiyarkarasi, G. & Kalaivani, D., Acta Crystallographica Section E, "N,N-Diethyl-2-hydroxyethanaminium 5-(2,4-dinitrophenyl)barbiturate sesquihydrate", E69, o863-o864 (2013).
4. Mangaiyarkarasi, G. & Kalaivani, D., Crystallography Reports, "2-Methylpyridinium/Pyridinium (2,4-dinitrophenyl)-2,6-dioxo-1,2,3,6-tetrahydropyrimidin-4-olates as potent Anticonvulsant agents- Synthesis and Crystal Structure", Vol.58, No.7, 1096-1102, (2013).
5. B.Mary Juliet , P. Lilly Florence ,G. Mangaiyarkarasi , A. Mohamed Azharudeen R. Govindharaju*,P.Anitha, M. Marlin Risana, Arpita Roy,Swetha Raji,Synthesis, characterization and pharmacological investigation of zinc (II) and mercury (II) complexes with biologically active N-donor ligands, Inorganica Chimica Acta 583 (2025) 122667
6. V. Rethinagiri,P. Geetha Devi,G. Mangaiyarkarasi,T. Sathish Kumar, M.Venkatesan Improving Metal Stability in Acidic Environments Through Inhibitor Technology Journal of Informetrics (ISSN 1875-5879) Volume 19 Issue 3 (2025).

06) NATIONAL JOURNALS/CONFERENCES

1. National conference on "Emerging trends in Chemistry" (NCETC-2012)
Maximal electroshock studies on 2-methylpyridinium barbiturate .
2. Hypnotic activity studies on 2-methylpyridinium barbiturate
3. Study on the dyeing behaviour of pyridinium 5-(2,4(dinitrophenyl) barbiturate on wool
Venue: Bishop Heber College, Tiruchirappalli-620 017. Date: 11.01.2012.
4. 5th International Symposium on Drug Development for Orphan/Neglected Diseases Current Trends in Drug Discovery Research [CTDDR-2013]

New barbiturates with high safety margin – synthesis, characterization and biological evaluation.
(poster presentation)

Venue : CSIR-Central Drug Research Institute Council of Scientific and Industrial Research,
Lucknow - 226 021. Date: 26 th to 28 th , February 2013.

5. World Conference on Infectious Diseases (WCID-2013)

Synthesis, Characterization and Antimicrobial activity of 5-(2,4-dinitrophenyl)-6-hydroxypyrimidine-
2,4(1H,3H)-dione monohydrate (oral presentation)

Venue: Chennai Trade Convention Centre (CTCC), Chennai, Tamil Nadu.
Date: 18 th to 22 nd , December 2013.

6. International Conference on Sustainable Solutions and Recycling (ICSSR - 2024) Preparation,

Structural Examination & Pharmacological Assessment of Zn (II) & Hg (II) Complexes Incorporating
Bioactive N & O donor Ligands.(Oral Preparation)

Venue : Thanthai Hans Roever College (Autonomous),Perambalur - 27,28 Aug 2024.

08) Patents / Awards/Certificates

1. PATENT PUBLICATION:



Controller General of Patents Designs and Trademarks
Department of Industrial Policy and Promotions
Ministry of Commerce and Industry

APPLICATION NUMBER	2657/CHE/2011
APPLICANT NAME	Dr. D. Kalivani
Inventors	Dr. D. Kalivani, R. Babylala, G. Mangaiyarkarasi, K. Rajamani, V. Manickam and G. Sridevi
DATE OF FILING	03/08/2011 16:25:10
PRIORITY DATE	NA
TITLE OF INVENTION	NEW BARBITURATES OF NITRO AROMATIC COMPOUNDS AS ANTI CONVULSANTS, HYPNOTIC AGENTS, DYES AND FLUORESCENT MOLECULES
PUBLICATION DATE (US 11A)	12/08/2011
Status	Application Awaiting Examination

Best View in Resolution of 100% or 100% on Firefox

09) Workshop / FDP / Seminar / Conference Attended

SL.NO	NAME OF THE EVENT	DATE
1	Participated webinar conducted at SRM TRP	29.06.2020
2	Participated in National webinar on investigations of nano crystals	25.05.2020
3	Completed webinar series in Chemistry - ITS Engineering college Great NOIDA	4.07.2020
4	Participated in webinar on Art of drafting research article at KRCT	25.06.2020
5	Participated in state level webinar series at Anna Adarsh College For Women	18.07.2020
6	Participated in webinar organized at SASTRA Deemed university ,Thanjavur	29.05.2020
7	Participated in 2 days national level webinar organized at Auxilium College ,Gandhi nagar,vellore	15.5.2020 to 16.5.2020
8	Participated in webinar organized at SASTRA Deemed university ,Thanjavur	28.05.2020
9	Attended leadership talk with Dr. Nilesh N Oak MHRD INNOVATION CELL GOVERNMENT OF INDIA	30.05.2020
10	Participated in webinar organized at Chennai Institute of Technology	1.07.2020
11	Participated in super session webinar on good teacher to great teacher conducted by sky campus ICT academy	14.05.2020
12	Participated in 2 days international webinar organized at Periyar EVR College	13.07.2020 to 14.07.2020
13	Participated in webinar organized at GTN ARTS college Dindigul	4.07.2020
14	Participated in webinar on mindfulness and mental health organized at Hindustan college of Engineering and technology	23.07.2024
15	Completed FDP organized by Ariyan College	4.6.2024 to 8.6.2024