

STAFF PROFILE

Name : Dr. S. V. KARTHIKEYAN
Designation : Assistant Professor
Date of Entry into Service : 01.07.2013
E-mail : s.v.karthikeyan@maduracollege.edu.in
Mobile (Optional) : 9943146441
Education : M.Sc., Ph.D.
Areas of specialization : Synthetic Organic Chemistry



Projects undertaken -Nil-

Title of the Project	Name of the funding Agency	Duration	Completed/Ongoing	Amount	Remarks

Seminars Organized

Title of the Seminar/Conference/Workshop	Date	Sponsoring Agency	National/State/International	Co-ordinator/Convener
Frontiers in Chemistry 2017	18.12.2017	UGC & MCB	State level	

Seminars, Workshop and Conferences Attended

Title of the Seminar/Conference/Workshop	Date	Sponsoring Agency	National/State/International	Organization in which attended
Frontiers in Chemistry 2019	21.01.2019	UGC & MCB	International	The Madura College, Madurai.
Use of ICT tools in classroom teaching	20.12.2018	IQAC of Madura College		The Madura College, Madurai.
Recent Trends in Physics & Chemistry	01.03.2017	UGC & MCB	National	The Madura College, Madurai.
Faculty Recharge Programme	14.12.2016	Madura	State	The Madura

		College Board		College, Madurai.
Implications of New Educational Policy: A discourse	10.08.2016	IQAC of Fatima College, Madurai	State	Fatima College, Madurai.
Emerging trends in chemistry	15.10.2015	UGC & MCB	National	The Madura College, Madurai.
Competence building programme	02.01.2015 & 03.01.2015	UGC & MCB	National	The Madura College, Madurai.
Recent trends in chemistry	27.01.2014	UGC & MCB	National	The Madura College, Madurai.
10 th CRSI National Symposium in Chemistry	01.02.2008-03.02.2008	National Chemical Research Society of India & IISc	International	Indian Institute of Science, Bangalore.
One and Two dimensional NMR Spectroscopy	22.02.2007-23.02.2007	DST	National	School of Chemistry, Madurai Kamaraj University.
Frontiers in Organic Chemistry	11.01.2007-12.01.2007	CSIR, UGC, ICMR, DST, DBT & KSCSTE	National	University of Calicut, Kerala.
International Symposium on Advances in Organic Chemistry	09.01.2006-12.01.2006	DST, UGC & CSIR	International	School of Chemical Sciences, M.G. University, Kottayam, Kerala.

Books Published: -Nil-

Title of the Book Published	ISBN No.	Publisher if any	Year of Publishing	Authored/Edited

Research Publications:

Title of the Journal & Title of the paper	Authors	Volume No. & Page No.	Year	International/National/State
Angew. Chem. Int. Ed. Convergent Chemical Synthesis of Histone H2B Protein Enabled Site Specific Ubiquitination at Lys34.	Peter Siman, Subramanian Vedhanarayanan Karthikeyan , Miroslav Nikolov, Wolfgang Fischle and Ashraf Brik	52, 8059 – 8063	2013	International
Proc. Natl. Acad. Sci. Synthetic polyubiquitinated α -Synuclein reveals important insights into the roles of the ubiquitin chain in regulating its pathophysiology	Mahmood Haj-Yahya, Bruno Fauvet, Yifat Herman-Bachinsky, Mirva Hejjaoui, Sudhir N. Bavikar, Subramanian Vedhanarayanan Karthikeyan , Aaron Ciechanover, Hilal A. Lashuel, and Ashraf Brik	110, 17726–17731	2013	International
J. Am. Chem. Soc. <u>Polymerization Behavior of a Bifunctional Ubiquitin Monomer as a Function of the Nucleophile Site and Folding Conditions.</u>	Tal Moyal, Sudhir N. Bavikar, Subramanian Vedhanarayanan Karthikeyan , Hosahalli P. Hemantha, and Ashraf Brik.	134, 16085–16092	2012	International
Org. Lett. Native chemical ligation at glutamine.	Peter Siman, Subramanian Vedhanarayanan Karthikeyan and Ashraf Brik.	14, 1520–1523	2012	International
Angew. Chem. Int. Ed. Chemical Synthesis of Ubiquitinated Peptides with Varying Lengths and Types of Ubiquitin Chains to Explore the Activity of Deubiquitinases.	Sudhir N. Bavikar, Liat Spasser, Mahmood Haj-Yahya, Subramanian Vedhanarayanan Karthikeyan , Tal Moyal, K. S. Ajish Kumar, and Ashraf Brik.	51, 758 – 763	2012	International
Bioorg. Med. Chem. Lett.	Subramanian Vedhanarayanan	20, 350–353	2010	International

A highly atom economic, chemo-, regio- and stereoselective synthesis and evaluation of spiro pyrrolothiazoles as antitubercular agents.	Karthikeyan, Balasubramanian Devi Bala, Velanganni Paul Alex Raja, Subbu Perumal, Perumal Yogeeswari and Dharmarajan Sriram.			
Bioorg. Med. Chem. Lett. A microwave-assisted facile regioselective Fischer indole synthesis and antitubercular evaluation of novel 2-aryl-3,4-dihydro-2H-thieno[3,2-b]indoles.	Subramanian Vedhanarayanan Karthikeyan, Subbu Perumal, Krithika Arun Shetty, Perumal Yogeeswari, Dharmarajan Sriram.	19, 3006– 3009	2009	International
Tetrahedron Lett. A novel three-component tandem protocol for the regioselective synthesis of 1-(2-arylmethyl-5 aryl-3-thienyl)pyrrolidines and piperidines.	Subramanian Vedhanarayanan Karthikeyan, Subbu Perumal and K.K. Balasubramanian.	48, 6133– 6136	2007	International
Tetrahedron Lett. A facile tandem protocol for the regioselective synthesis of novel thienobenzothiazepines.	Subramanian Vedhanarayanan Karthikeyan and Subbu Perumal.	48, 2261– 2265	2007	International

Research Activities: -NIL-

Degree	No. Awarded	No. Submitted	No. Guiding
M.Phil.,			
Ph.D.,(Part-time)			
Ph.D. (Full-time)			

Details of Invited Lecture / Resource Person: -NIL-

Place	Date	Sponsoring Agency	Topic	Audience type	International/National/State Level

Academic council/Board of Studies Member : -NIL-

Institution	For a period of	Dept.

Honours Achieved : -NIL-

Agency	Recognition IN/National/State	Cash award if any(Amount)	For the service of

Service in Extra Curricular Activities (NSS/NCC/AEEP/YRC/MCCA/Club etc.)

Whether NSS/NCC/AEEP/YRC	Period
NCC (Care taker)	December 2017 - September 2018
NCC (Associate NCC Officer)	October 2018 – till now

Reviewer/editor of a journal : - NIL-

Title of the Journal	ISSN No. if any	International/ National/State	Impact factor/h- index

Details of Orientation and Refresher attended : -NIL-

Orientation/Refresher	University/College/Institute at which attended	Duration	
		from	to

Any Other Information:

Fellowships and awards

- Worked as a “**Postdoctoral Research Associate**” with Prof. Ashraf Brik in Ben Gurion University of the Negev, Beer Sheva 84105, **ISRAEL**, in the field of peptide science and the synthesis of thiol derivatives of amino acids during the period, August 2010-December 2012.
- Worked as “**Assistant Technical Coordinator**” in Scientific Agriculture Laboratory, 3/196. Natham Main Road, Manthikulam Vilakku, Madurai 625014. Job responsibility includes the synthesis of agrochemicals based organic synthesis, characterization and its formulation, during the period, February 2013-June 2013.
- April 2007 to October 2009 (**CSIR Senior Research Fellow-Direct**)

- November 2004 to March 2007 (**Junior Research Fellow** in a CSIR sponsored major project)
- Qualified in **GATE 2003** with a percentile of 79.50
- Received Dr. T.P. Meenakshisundaranar endowment prize for having secured the **highest number of marks in M.Sc. Chemistry.**
- Received Prof. C. Natarajan endowment medal for having secured the **highest number of marks in Inorganic chemistry during M.Sc.**