

## STAFF PROFILE



**Name** : J.SIVASUBRAMANIAN  
**Designation** : Assistant Professor in Physics  
**Date of Entry into Service** : 16/06/2016  
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**Education** : M.Sc., M.Phil., B.Ed., Ph.D  
**Areas of specialization** : Spectroscopy

### Projects undertaken

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

Title of the Seminar/Conference/Workshop	Date	Sponsoring Agency	National/State/International	Co-ordinator/Convener
Contemporary Physics	15 <sup>th</sup> December 2017	UGC	National	Convener

### Seminars, Workshop and Conferences Attended

Title of the Seminar/Conference/Workshop	Date	National/State/International	Organization in which attended
Workshop on Mathematical Modeling	Feb-2017	National	The Madura College, Madurai

### Books Published:

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

S.No	Title of the Article	Journal in which published	Month & year of publication	ISBN/ISSN No.	Impact Factor
1	Oxidative environment causes molecular remodeling in embryonic heart—a metabolomic and lipidomic fingerprinting analysis	Environmental Science and Pollution Research	Oct 2017	1614-7499	2.80
2	Rapid Method for Simultaneous Discrimination of Microalgae and Determination on Biochemical Composition based on Vibrational Spectroscopy	International Journal on Algae	Nov 2017	1940-4328	-
3	FT-Raman study of deferoxamine and deferiprone exhibits potent amelioration of structural changes in the liver tissues of mice due to aluminum exposure.	SpectrochimicaActa A Molecular Biomolecular Spectroscopy	Jan 2014	1386-1425	2.53
4	FTIR study of protective action of deferoxamine and deferiprone on the kidney tissues of aluminum loaded mice.	SpectrochimicaActa A Molecular Biomolecular Spectroscopy	Jan 2014	1386-1425	2.53
5	Aluminium induced metabolic changes in Kidney and Heart tissue of mice: a Fourier transform infrared spectroscopy study.	RSC Advances	Sep 2013	2046-2069	3.28
6	Determination of aluminium induced metabolic changes in mice liver: a Fourier transform infrared spectroscopy study.	SpectrochimicaActa A Molecular Biomolecular Spectroscopy	June 2013	1386-1425	2.53
7	Diosgenin attenuates vascular calcification in chronic renal failure rats.	Molecular and Cellular Biochemistry	Feb 2013	1573-4919	2.613
8	Aluminium induced structural, metabolic alterations and protective effects of desferrioxamine in the brain tissue of mice: An FTIR study.	SpectrochimicaActa A Molecular Biomolecular Spectroscopy	Dec 2012	1475-2662	2.53
9	Molecular metabolic fingerprinting approach to investigate the effects of borneol on metabolic alterations in the liver of nitric oxide deficient hypertensive rats.	Molecular and Cellular Biochemistry	Jan 2012	1573-4919	2.613
10	Characterization of diverse mole of pure and Ni-doped Fe <sub>2</sub> O <sub>3</sub> synthesized nanoparticles through chemical precipitation route.	SpectrochimicaActa A Molecular Biomolecular Spectroscopy	July 2014	1475-2662	2.53

11	Comparative study of desferrioxamine and deferiprone protects against aluminum induced compositional, structural and functional changes in liver tissue of mice (musmusculus) investigated by FT-IR spectroscopy.	Biomedicine & Preventive Nutrition	June 2014	2210-5239	0
12	Protective effects of deferiprone and desferrioxamine in brain tissue of aluminum intoxicated mice: an FTIR study.	Biomedicine & Preventive Nutrition	March 2014	2210-5239	0
13	Protective effects of desferrioxamine and deferiprone on the spleen tissue of aluminum intoxicated mice: A Fourier transform infrared spectroscopy study	SpectrochimicaActa A Molecular Biomolecular Spectroscopy	May 2014	1475-2662	2.53
14	Diosgenin prevents hepatic oxidative stress, lipid peroxidation and molecular alterations in chronic renal failure rats.	International Journal of Nutrition, Pharmacology, Neurological Diseases	July 2013	2231-2722	0
15.	Bioaccumulations of aluminum and the effects of chelating agents on different organs of Cirrhinusmrigala.	Environmental Toxicology and Pharmacology	Nov 2012	1382-6689	2.18
16	Spectroscopic analysis of five phylogenetically distant fungi (division: ascomycete) from vellar estuary, southeast coast of india-A pilot study	The Journal of Microbiology, Biotechnology and Food Sciences	April 2013	1338-5178	0

### Research Activities

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

### Details of Invited Lecture / Resource Person

Place	Date	Sponsoring Agency	Topic	Audience type	International/ /State Level
The American College, Madurai	13 May 2017		DNA Barcode	PG Students	National
Bharathiar University, Coimbatore	06 September 2018		Big Data in Life Sciences	Research Scholars	National

**Academic council/Board of Studies Member**

Institution	For a period of	Dept.
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**Honour Achieved**

Agency	Recognition IN/National/State	Cash award if any(Amount)	For the service of
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**Service in Extra Curricular Activities (NSS/NCC/AEEP/YRC/MCCA/Club etc.,)**

Whether NSS/NCC/AEEP/YRC	Period
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**Reviewer/editor of a journal**

Title of the Journal	ISSN No. if any	International/ National/State	Impact factor/h- index
Indo – Asian Journal of Multidisciplinary Research	2454 - 1370	International	0.45 (Global Impact Factor)

**Details of Orientation and Refresher attended**

Orientation/Refresher	University/College/Institute at which attended	Duration	
		from	to
Orientation	UGC – HRDC, Bharathiar University, Coimbatore	17.05.2018	13.06.2018