

**VSS GOVT. ARTS COLLEGE**  
**POOLANGURICHI**

**STAFF PROFILE**

**NAME OF THE STAFF** : C.SELVARAJU  
**QUALIFICATION** : M.Sc.,B.Ed.,SET.,Ph.D  
**DESIGNATION** : GUEST LECTURER  
**DEPARTMENT** : PHYSICS



**1. CONTACT**

**Address** : Department of Physics, V.S.S. Government Arts  
College, Pulankurichi – 630 405  
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**Contact Phone (Mobile)** : +91 – 9047913197, +91-8667336185  
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**Skype id** :

**2. ACADEMIC QUALIFICATIONS**

Degree	College/University/Board	Year of Passing/ Awarded
Ph.D	H.H.The Rajah's College (Affiliated to Bharathidasan University), Pudukkottai-622001, Tamilnadu, India	Doing
M.Sc	H.H.The Rajah's College (Affiliated to Bharathidasan University), Pudukkottai-622001, Tamilnadu, India.	2013
B.Ed	Ponmari College of Education (Affiliated to Taminadu Teachers Education University) Pommadimalai, Pudukkottai-622 002, Tamilnadu, India.	2011
B.Sc	H.H.The Rajah's College (Affiliated to Bharathidasan University), Pudukkottai-622001, Tamilnadu, India.	2010

**LECTURERSHIP ELIGIBILITY (TNSET)**

Test	Organizing body	Month & Year of Passing	Subject
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<b>Tamilnadu State Eligible Test(TNSET)</b>	MTWU Kodaikanal	August 2017	Physics
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### 3. TEACHING EXPERIENCE

S. No.	Institution	Duration	No. of Years	
			UG	PG
1.	V.S.S. Government Arts College, Pulankurichi – 630 405	Feb 2019 – Till date	1 Year 8 Months	

4. RESEARCH EXPERIENCE (in years) : 7 Years

5. AREA OF RESEARCH : Nonlinear dynamics,  
Nanomaterials.

### 6\*\*. RESEARCH GUIDANCE (In Numbers)

Program of Study		Completed	Ongoing
Research	Ph. D.		
	M. Phil.		
Project	PG		

### 7\*\*. PUBLICATION(S) (In Numbers)

Journal(s)		Proceeding(s)		Book(s) / Chapter(s) / Monograph(s) / Manual(s)
International	National	International	National	
3				1

Cumulative Impact Factor (as per JCR)	1.74
h-index	2
Total Citations	86

### 8\*\*. PRESENTATION(S) (In Numbers)

Events	International	National	State	Regional
Conference(s)	3	1		
Seminar(s)				

### 9\*\*. PARTICIPATION (In Numbers)

Events	International	National	State	Regional
Conference(s)	1			
Seminar(s)				
Workshop(s)	3			
School(s)	2			

**10\*\*. PROFESSIONAL DEVELOPMENT (In Numbers)**

Orientation Programme(s)	Refresher Course(s)	Faculty Development Programme(s)	Short Term Course(s)	Online Course(s)

**11. FUNDED RESEARCH PROJECT(S)**

List of ongoing Project(s)					
S. No.	Agency	Period		Project Title	Grant Allocated (Rs. In Lakhs)
		From	To		

List of Completed Project(s)					
S. No.	Agency	Period		Project Title	Grant Allocated (Rs. In Lakhs)
		From	To		

Consultancy Project(s)	
Patent(s) (Applied/Received)	

**12. DISTINCTIVE ACHIEVEMENT(S) / RECOGNITION(S) / AWARD(S)****13. OVERSEAS EXPOSURE / VISIT(S) (Academic & Research)****14. EVENT(S) ORGANIZED**

S. No.	Name of the Programme	Role of Responsibility held	Name of the Resource Person	Date of the Event
1.	Quiz Programme	Coordinator		May 17-22

**15. ACADEMIC / ADMINISTRATIVE RESPONSIBILITIES HELD****16. SERVED AS A RESOURCE PERSON (INVITED TALKS / GUEST LECTURES)****17. DETAILS OF MEMBERSHIP**

Editorial Board	
Referee (Peer Reviewed Journal)	

Academic Bodies (Board of studies)	
Professional Bodies	

### 18. EXTENSION ACTIVITIES / OUTREACH PROGRAMME

S. No	Title	Place	Date	Beneficiaries

### 19. ANY OTHER ACTIVITIES

Articles published in Newspaper(s) / Magazine(s)	
Products Developed	
Number of Ph. D. thesis evaluated	
Number of Ph. D. Public Viva Voce Examination conducted	

### 20. DETAILS OF RESEARCH GUIDANCE

Ph. D. (Completed)			
S. No.	Name	Title of thesis	Year of award
M. Phil. (Completed)			
S. No.	Name	Title of thesis	Year of award

### 21. DETAILS OF PUBLICATIONS

#### (a) JOURNAL(S)

S. No.	Name of the author/s	Title of the paper with e-link	National/ International	Name of journal	Volume Page No & Year	ISSN
1.	C.Selvaraju, N.Athavan, R.Karthick,	“Investigation on structural, morphology and photoluminescence properties of lanthanum doped zinc oxide nanostructure for optical application by co-precipitation method”		<b>Journal of Materials Science: Materials in Electronics</b>	Volume 29, Issue 13, pp 11553–11558, May 2018. (Impact Factor: 2.019)	
2.	C.Selvaraju, R.Karthick & A.Judith Jayarani,	“Structural, Morphology And Photoluminescence Properties Of Cerium Doped Zinc Oxide Nanoparticles Prepared By Co – Precipitation Method”		<b>Star International Journal</b>	Volume 6, Issue 10(4), October (2018).	
3.	C.Selvaraju, R.Karthick, R.Veerarubam,	“The Modification of Structural, optical and antibacterial activity properties of rare earth Gadolinium-doped ZnO nanoparticles prepared by Co – Precipitation Method”		<b>Journal of Inorganic and</b>		

**Organometallic Polymers and Materials. (Impact Factor: 1.74)****(b) PROCEEDING(S)**

S. No.	Name of the author/s	Title of the paper	National/ International	Name of Conference	Page No & Year	ISBN

**(C) BOOK(S) / CHAPTER(S) / MONOGRAPH(S) / MANUAL(S)**

S. No.	Details
	<p align="center"><b>1. RARE EARTH METAL DOPED ZnO NANOPARTICLES PREPARED BY CO – PRECIPITATION METHOD</b></p> <p><b>Publisher:</b> LAP LAMBERT Academic Publishing is a trademark of International Book Market Service Ltd., Member of Omni Scriptum Publishing Group, 17 Meldrum Street, Beau Bassin 71504, Mauritius.</p> <p><b>ISBN :</b> 978-620-0-10263-8.</p>

**22. DETAILS OF PRESENTATION(S)****(Conference(s) / Seminar(s))**

S. No.	Name of the Paper	Name of the Conference / Seminar	National/ International	Place	Duration/ Date
1.	<b>C.Selvaraju, N.Athavan, R.Karthick, Nanostructure Lanthanum Doped Zinc Oxide for Optical application by Co-Precipitation Method ,</b>				International Conference on Recent Advances in Materials (ICRAM-2018), National College, Trichy during 22-23 March 2018.
2.	<b>C.Selvaraju, R.Karthick, D.Theyvaraju, The Modification of Structural, optical and antibacterial activity properties of rare earth Gadolinium-doped ZnO nanoparticles prepared by Co – Precipitation Method ,</b>				International Conference on Recent Advances in Materials (ICRAM-2019), National College, Trichy during 4-6 February 2019.
3.	<b>C. Selvaraju, R. Karthick, D.Theyvaraju, Characterization, Fabrication of thin films produced by the electron beam evaporation of Nano silver oxide,</b>				National Seminar Advanced Materials (NSAM-2020), Jamal Mohamed College, Trichy during 24 January 2020.
4.	<b>C. Selvaraju, R. Karthick, D.Theyvaraju, Fabrication, Characterization of thin films produced by the electron beam evaporation of Nano silver oxide,</b>				International Conference on “SCOPE OF RESEARCH IN SCIENCE

**23. DETAILS OF PARTICIPATION**

(Conference(s) / Seminar(s) / Workshop(s) / Symposium(s))

S. No.	Name of the event(s)	Sponsored by	Conducted by	Place	Duration/ Date
<b>Conference(s)</b>					
	1. International Conference on "Complex Quantum Systems" February 20 – 23, 2017 Bhabha Atomic Research Centre, Mumbai, India.				
<b>Workshop(s)</b>					
	1. Science Academies Lecture Workshop on "Introduction to Theoretical Physics" 04-05 August, 2016 Department of Physics, Government Arts College, Melur, Tamilnadu, India				
	2. National Mathematics Initiative workshop on "Nonlinear Integrable System and their Applications" February 24 – March 01, 2014 Bharathidasan University, Tiruchirapalli, India				
	3. Workshop on "Nonlinear Physics January 23 – 25, 2014 Department of Physics, Bishop Heber College, Tiruchirapalli, Tamilnadu, India				
<b>School(s)</b>					
	1. DST-SERC School on "Nonlinear Dynamics" 1-21 December, 2016 PSG College of Technology, Coimbatore, India				
	2. DST-SERC School on "Nonlinear Dynamics" 18 November – 8 December, 2015 Manipur University, Manipur, India				

**24. DETAILS OF PROFESSIONAL DEVELOPMENT**

(Orientation / Refresher Course / FDP / Short Term Course / Online Course)

S. No.	Name of the events	Sponsored by	Conducted by	Place	Duration/ Date
<b>Orientation Programme</b>					

<b>Refresher Course</b>					
<b>Faculty Development Programme</b>					
<p><b>1.Tamil Nadu State Council for Higher Education (TANSCHÉ), Chennai</b></p> <p><b>Mr.Selvaraju C, Guest Lecturer</b>  <b>Physics, V.S.S Government Arts College</b>  <b>has attended Two-Day FDP on</b></p> <p><b>Design, Develop and Deliver online courses through MOODLE platform</b>  <b>conducted by TANSCHÉ with technical support of DOTE, TamilNadu on May 15 &amp;</b>  <b>16, 2020 through online mode</b></p>					
<b>Short Term Course(s)</b>					
<b>Online Course(s)</b>					