

**THE MADURA COLLEGE (AUTONOMOUS), MADURAI - 625 011.**

**S. Sivaramakrishnan**  
Assistant Professor of Physics



**A. STAFF PROFILE**

NAME : S. SIVARAMAKRISHNAN  
DESIGNATION : ASSISTANT PROFESSOR  
DEPARTMENT OF PHYSICS  
DATE OF BIRTH : 07-Mar-82  
DATE OF ENTRY INTO SERVICE : 22-Feb-08  
DATE OF RETIREMENT : 31-Mar-40  
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QUALIFICATION : M.Sc.,M.Phil.,

**B. TITLES OF DISSERTATION**

<b>DEGREE</b>	<b>TITLE OF THESIS</b>	<b>UNIVERSITY</b>
M.Phil.,	OPTICAL AND ELECTRICAL STUDIES ON COPPER THIN FILMS	SCHOOL OF PHYSICS, MADURAI KAMARAJ UNIVERSITY, MADURAI

**C AREAS OF SPECIALIZATION** : 1. Thin Films  
2. Computer Simulation and Interfacing

**D SEMINAR / WORKSHOP / CONFERENCE ORGANIZED**

<b>TITLE</b>	<b>DATE</b>	<b>SPONSORING AGENCY</b>	<b>STATE / NATIONAL / INTERNATIONAL</b>	<b>COORDINATOR / CONVENER</b>
EMERGING TRENDS IN PHYSICS OF MATERIALS	10-Jan-14	UGC	STATE-LEVEL SEMINAR	CONVENER
FIRST ANNUAL CONVENTION OF IAPT RC-13 (TAMILNADU & PUDUCHERY)	22-Sep-17 & 23-Sep-17	IAPT	STATE LEVEL	ORGANIZER
EXPERIMENTAL AND OBSERVATIONAL PHYSICS	20-Dec-2019	UGC	National Level Seminar	Convener
Recent Trends in Single Crystal growth and its characterization	21-Jul-2020	The Madura College	National level Webinar	Convener
Online Faculty Recharge Programme on ICT tools	7-May-20 to 20-May-20	The Madura College	Online	Convener & Resource Person
Online Faculty Recharge Programme on ICT tools for the 21 <sup>st</sup> Century Teacher	8-Jun-20 to 15-Jun-20	The Madura College	Online	Convener & Resource Person

**E SEMINAR / WORKSHOP / CONFERENCE ATTENDED**

<b>TITLE</b>	<b>DATE</b>	<b>SPONSORING AGENCY</b>	<b>STATE / NATIONAL / INTER-NATIONAL</b>	<b>HOST INSTITUTION</b>
International year of Astrophysics	29/01/2010 & 30/01/2010	UGC	State	Vivekananda College, Thiruvadakam West, Madurai
International Physics Olympiad Exposure Camp	01/03/2010 to 03/03/2010	HBCSE, TIFR, Mumbai	National	HBCSE, TIFR, Mumbai
National Conference on LASER and its applications	04/10/2010	Indian Association of Physics Teachers, RC-12A	National	The National Degree College, Bangalore
State Level Seminar on Fifty Years of LASER and Nuclear Awareness Programme	28/01/2011 & 29/01/2011	UGC	State	Vivekananda College, Thiruvadakam West, Madurai
e-Content Development	11/03/2011	UGC	Institution	The Madura College (Autonomous), Madurai
Science Academies' Lecture Workshop on "Applications of Non-linearity in Physics"	25/08/2011 & 26/08/2011	Indian Academy of Science	National	Fatima College, Madurai
National Seminar & Awareness Programme on Applications of Radio-isotopes and Radiation Technology in Industry and Healthcare	17/08/2012 & 18/08/2012	BRIT, Department of Atomic Energy	National	Kalasalingam University, Krishnankoil

Optical Communication	29/01/2013	UGC	State	Vivekananda College, Thiruvadakam West, Madurai
State-level Seminar on Energy Resources	28/02/2013	ASTRA programme of TamilNadu State Council for Science and Technology	State	Nehru Memorial College, Puthanampatti
One week training programme on 'Computer Interfaced Science Experiments'	27/04/2015 to 02/05/2015	Inter-University Acceleration Centre, New Delhi	National	Inter-University Acceleration Centre, New Delhi
National Convention and Symposium of IAPT	28-Oct-17 to 31-Oct-17	IAPT	National	Gurukula Kangri Viswavidyalaya, Haridwar
State level Workshop on Global Ranking of Universities : Present Scenario	22-Mar-19	Madurai Kamaraj University	State-level	Madurai Kamaraj University, Madurai - 625021
Two-day State-level workshop on "NAAC Accreditation of Colleges : Revised Accreditation Framework"	29-Jul-19 & 30-Jul-19	NAAC	State-level	Madurai Kamaraj University, Madurai - 625021
Training Programme on Training of Teachers for the Student Induction Programme	16-may-19 to 18-may-19	UGC-SERO	National	UGC-SERO, Hyderabad
Training on Evaluation Reforms in Higher Education	18-July-19 & 19-Jul-19	UGC-SERO	National	UGC-SERO, Hyderabad
SciLab Workshop	4-May-19	PMMMNMTT	National	Teaching Learning Centre, IIT Bombay
Effective and Efficient Online Teaching in the Age of Corona: A Hands-On Workshop	16-May-20	PMMMNMTT	National	Teaching Learning Centre, IIT Bombay

**F BOOKS PUBLISHED**

<b>Title of the Book Published</b>	<b>ISBN</b>	<b>Publisher (if any)</b>	<b>Year of Publishing</b>	<b>Authored / Edited</b>
Chapter : Role of Education as a tool in shaping up a person in the current scenario Title of the book : Education in India : Changes and Challenges	9380686307	Shanlax Publisher	2013	Author

**G. PUBLICATIONS / PAPERS PRESENTED**

<b>Title of the Journal</b>	<b>ISSN No. if any</b>	<b>Volume No. &amp; Page No. if any</b>	<b>Year</b>	<b>International / National</b>	<b>Peer reviewed / Non-Peer reviewed</b>	<b>Impact factor/h-index</b>
Proceedings of National Conference on Advanced Materials Devices and Technologies, Venkateswara University, Tirupati	-	p154	2008	National	-	-

**H. DETAILS OF INVITED LECTURES / RESOURCE PERSONS / RADIO-TV TALKS**

<b>Place</b>	<b>Date</b>	<b>Sponsoring Agency</b>	<b>Topic</b>	<b>Audience type</b>	<b>International / National / State Level</b>
Ayya Nadar Janaki Ammal College, Sivakasi	21/02/2011	Indian Association of Physics - RC13	Physics concepts through interactive computer animation	College	College

The Madura College (Autonomous), Madurai	11/03/2011	UGC sponsored Workshop	Computer Basics	Non-teaching staff of the college	College
National Children's Science Congress - 2012	03/11/2012	Tamilnadu Science Forum and NCSTC, DST, Govt. of India	Energy	School Teachers	District
Nehru Memorial College, Puthanampatti	28/02/2013	Tamilnadu State Council for Science and Technology through its ASTRA programme	Energy Resources	Seminar	State
Doordarshan Kendra, Madurai	24/12/2012	Prasar Bharti	Subject Expert : NCSC projects	Doordarshan	State
All India Radio, Madurai	13/02/2013	Vigyan Prasar, DST, Govt of India	Vergalin Velicham : Grassroots Innovation	Tamilnadu	State
National Children's Science Congress - 2012	22/11/2014	Tamilnadu Science Forum and NCSTC, DST, Govt. of India	Climate Change	School Children	District
All India Radio, Madurai	14/12/2013	Vigyan Prasar, DST, Govt of India	Kaalandhorum Kanitham : Year of Mathematics	Tamilnadu	State
All India Radio, Madurai	04/01/2014	Vigyan Prasar, DST, Govt of India	Kaalandhorum Kanitham : Year of Mathematics	Tamilnadu	State
All India Radio, Madurai	11/01/2014	Vigyan Prasar, DST, Govt of India	Kaalandhorum Kanitham : Year of Mathematics	Tamilnadu	State

Velammal College of Engineering, Madurai	20/09/2014	Physics Association	Physics around us	College	College
All India Radio, Madurai	16/11/2014	Prasar Bharti	Soozhal Inbam : Series of Seven short talks on Environment	Tamilnadu	State
All India Radio, Madurai	20/12/2014	Vigyan Prasar, DST, Govt of India	Anuvin payanam : From the atom to the star	Tamilnadu	State
All India Radio, Madurai	17/12/2014	Vigyan Prasar, DST, Govt of India	Anuvin payanam : From the atom to the star	Tamilnadu	State
All India Radio, Madurai	15/09/2015	Prasar Bharti	Ariviyal Surangam : Puvi Eerppu Visai	Tamilnadu	State
All India Radio, Madurai	22/09/2015	Prasar Bharti	Ariviyal Surangam : Science Titbits	Tamilnadu	State
All India Radio, Madurai	11/06/2016	Vigyan Prasar, DST, Govt of India	Savaale Samali : Understanding and Managing Disaster	Tamilnadu	State
All India Radio, Madurai	18/06/2016	Vigyan Prasar, DST, Govt of India	Savaale Samali : Understanding and Managing Disaster	Tamilnadu	State
The Madura College (Autonomous), Madurai	04/01/2017	UGC sponsored Workshop	Computer Basics	Non-teaching staff of the college	College
All India Radio, Madurai	07/02/2017	Prasar Bharti	Ariviyal Surangam : Suzhi, the magic of earth's rotation	Tamilnadu	State

Tamilnadu Science Forum, Madurai	27/02/2017	TNSF, Madurai	World Asteriod Day Lecture – Near Earth Asteroids : Orientation for School teachers and Science enthusiasts.	Madurai	District
All India Radio, Madurai	03/10/2017	Prasar Bharti	Ariviyal Surangam : The Faces of Water	Tamilnadu	State
Tamilnadu Science Forum, Madurai	03/10/2017	TNSF, Madurai	Meghnad Saha and his equation – Orientation for School teachers and science enthusiasts.	Madurai	District
Mannar Thirumalai Naicker College, Madurai	09/10/2017	Tamilnadu Science Forum and MTN College	Physics around us	College	College
Arul Anandar College, Karumathur	12/12/2017	Arul Anandar College, Karumathur	Physics around us	College	College
Tamilnadu Science Forum, Madurai	23/01/2018	TNSF, Madurai	Super Blue Blood Moon – Orientation for School teachers and Science enthusiasts	Madurai	District
Hello FM 106.4	31/01/2018	Hello FM, Madurai	Super Blue Blood Moon	Madurai	District
All India Rainbow FM 103.3	31/01/2018	Rainbow FM, Madurai and TNSF, Madurai	Super Blue Blood Moon	Madurai	District
All India Radio, Madurai	16/10/2018	Prasar Bharti	Ariviyal Surangam : The third dimension of our blue planet	Tamilnadu	State
All India Radio, Madurai	23/07/2019	Prasar Bharti	Naveena Ariviyal	Tamilnadu	State



All India Radio, Madurai	14/07/2020	Prasar Bharti	Vanveliyil Iyarbiyal	Tamilnadu	State
Arul Anandar College, Karumathur	21/09/2019	Arul Anandar College, Karumathur	Recent Trends in Physics	College	College
The Madura College, Madurai	04/10/2019	UGC	Meghnad Saha and his contribution to Physics	College	College
Senthamarai College of Arts and Science, Madurai	06/01/2020	Senthamarai College of Arts and Science, Madurai	A Peek into the wonders of our universe	College	College
Raja Doraisingam Govt Arts College, Sivagangai	27/02/2020	Raja Doraisingam Govt Arts College, Sivagangai	Physics around us	College	College
Madonna Arts and Science College for Women	28/02/2020	Madonna Arts and Science College for Women	Physics around us	College	College
Fatima College, Madurai	06/03/2020	Fatima College, Madurai	The man who measured the earth with a stick : Ancient Astronomy	College	College
Quaid-e-Millath Government College for Women, Chennai	17/06/2020	IQAC	Webinar on Tools for designing e-content	Webinar	National
Holy Cross College, Tiruchirapalli	10/07/2020	Holy Cross College, Tiruchirapalli	Faculty Orientation Webinar on ICT tools for the 21 <sup>st</sup> Century teacher	College	College
Ayya Nadar Janaki Ammal College, Sivakasi	27/10/2020	Ayya Nadar Janaki Ammal College, Sivakasi	Physics around us	College	College

**I. EXTENSION ACTIVITIES / OUT-REACH / FIELD-VISIT**

<b>Activity</b>	<b>Date</b>	<b>Venue</b>	<b>Beneficiary</b>	<b>Role played</b>	<b>Sponsoring Agency</b>
Field Visit	16/03/2012 and 17/03/2012	ISRO Satellite Centre, Bangalore	M.Sc. Students	Co-ordinator	-
Extension	29/03/2013	Thenparankundram Village	Rural Children of Thenparankundram	Convener	UGC
Extension	05/06/2013	Kilakuyilkudi Village	Rural Children of Kilakuyilkudi	Resource Person	Eco-club of The Madura College
Extension	24/02/2015 and 25/02/2015	Thiagarajar Hr. Sec. School, Madurai	Children of the school	Convener	UGC
Field Visit	03/03/2015	India Based Neutrino Observatory Centre, Vadapazhanji	M.Sc. Students	Convener	UGC
Extension	04/01/2017	Arulmigu Andavar Subramania Swamy Girls Hr. Sec. School, Thirupparankundram	Children of the School	Convener	UGC
Extension	11/01/2018	Arulmigu Andavar Subramania Swamy Girls Hr. Sec. School, Thirupparankundram	Children of the School	Organizer and Resource Person	UGC

**J. FACULTY RECHARGE (DETAILS OF REFRESHER / ORIENTATION AND TRAINING PROGRAMMES)**

<b>Name of the Training programme</b>	<b>Place</b>	<b>Duration of Training Programme</b>
Orientation Programme	Academic Staff College, Madurai Kamaraj University, Madurai	08/07/2010 to 04/08/2010

Refresher Course in Physics	Academic Staff College, Madurai Kamaraj University, Madurai	16/11/2012 to 06/12/2012
UGC Sponsored Faculty Development Programme	The Madura College (Autonomous), Madurai	24/01/2013 and 25/01/2013
UGC Sponsored Competence Building Programme	The Madura College (Autonomous), Madurai	02/01/2015 and 03/01/2015
Refresher Course in Material Sciences	UGC – Human Resource Development Centre, Pondicherry University, Pondicherry	15/09/2015 to 05/10/2015
Refresher Course in Ecology and Environmental Studies	UGC – Human Resource Development Centre, Madurai Kamaraj University, Madurai	02/11/2016 to 22/11/2016
Faculty Recharge Programme	The Madura College (Autonomous), Madurai	14/12/2016
Faculty Recharge Programme on Digital Learning and Innovative instructional strategies.	Internal Quality Assurance Cell, The Madura College (Autonomous), Madurai	13/02/2018
Two Week Faculty Development Programme on Managing Online Classes and Co-Creating MOOCs	Teaching Learning Centre, Ramanujan College, University of Delhi	20/04/2020 to 06/05/2020

**J. MEMBERSHIP IN PROFESSIONAL BODIES**

<b>Name of the Agency</b>	<b>Role</b>	<b>Term</b>
Indian Association of Physics Teachers	Member	Life
Tamilnadu Science Forum	Member	Life
Indian Association of Physics Teachers Regional Council – 13 (Tamilnadu & Puducherry)	EC Member	2016-22
Tamilnadu Science Forum, Madurai District	Vice-President	2017-19
Tamilnadu Science Forum, Madurai South Branch	President	2017-19