

RESUME



Name: Dr. G. David Rathinavelu
Designation: Assistant Professor
Department: Physics
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PERSONAL DETAILS

Date of Birth : 10.03.1982
Qualification : M.Sc., Ph.D.
Designation : Assistant Professor
Department : Physics
Community : BC
Religion : Hindu
Nationality : Indian
Mobile : 8610234752
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ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
B.Sc	Physics	Arul Anandar College	Madurai Kamaraj University	2002
M.Sc	Physics	The Gandhigram Rural Institute – Deemed to be University	The Gandhigram Rural Institute – Deemed to be University	2004
Ph.D	Physics	The Gandhigram Rural Institute – Deemed to be University	The Gandhigram Rural Institute – Deemed to be University	2011

ACADEMIC IDENTITY

*VIDWAN ID	
*ORCID ID	
*SCOPUS ID	
*RESEARCHER ID/ PUBLONS ID	
GOOGLE SCHOLAR LINK	

TEACHING EXPERIENCE

Date of Appointment	18.06.2012
Date of Retirement	30.06.2042
Teaching Experience	UG 10 Years
	PG
	M.Phil.
Research	Guided M Phil: Guided Ph D: Guiding Ph Scholar:

COURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	
Engineering Physics	Kongu Engineering College	July 2011	May 2012	1

I BSc Physics	St. Xavier's College	June 2012	Till date	10
II BSc Physics	St. Xavier's College	June 2012	Till date	10
III BSc Physics	St. Xavier's College	June 2012	Till date	10
Allied Physics	St. Xavier's College	June 2012	Till date	10

AWARDS RECEIVED

1.	Suja Memorial Award for Meritorious Students in Physics by The Gandhigram Rural Institute – Deemed University, Gandhigram, Tamil Nadu, India (2002 - 2003)
2.	National Merit Scholarship by the Government of India (2002 - 2003)
3.	University Research Fellowship for Meritorious Students by The Gandhigram Rural Institute – Deemed University, Gandhigram, Tamil Nadu, India (2007 – 2008)
4.	Research Fellowship in Science for Meritorious Students (RFSMS) by UGC, New Delhi, India (2008 – 2011)
5.	

ADMINISTRATIVE EXPERIENCE

S. No	DESIGNATION	INSTITUTIONS	YEAR

MEMBERSHIP

S. No	Designation	Particulars
1.	Life Member	Indian Association of Physics Teachers
2.		

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE ()

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Orientation Programme	HRDC, Bharathidasan University, Tiruchirappalli	Bharathidasan University, Tiruchirappalli from 18.5.2018 to 14.06.2018
2	Faculty Development Programme	CSI College of Engineering, Ketti	Online from 03.06.2020 to 05.06.2020

3	Faculty Development Programme	Jeppiar Institute of Technology, Sriperumbudur	Online from 05.06.2020 to 06.06.2020
4	Faculty Development Programme	Kongu Engineering College, Perundurai	Online from 07.07.2020 to 09.07.2020
5	Refresher Course	Teaching Learning Centre, Ramanujan College, University of Delhi	Online from 17.05.2021 to 31.05.2021
6	Refresher Course	Teaching Learning Centre, Ramanujan College, University of Delhi	Online from 05.07.2021 to 19.07.2021

DETAILS OF RESEARCH WORK

Research Stages	Title of the Thesis	University where the work was carried out
Ph.D (Completed)	Studies on Hydromagnetic Surface Waves in the Solar and Magnetospheric Atmospheres	The Gandhigram Rural Institute – Deemed to be University

AREAS OF RESEARCH

Propagation and dissipation of Magnetohydrodynamic (MHD) Surface Waves

RESEARCH PROJECTS CARRIED OUT

S. No	Title of the Project	Name of the Funding Agency &	Duration
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	(Minor)	Amount	

PUBLICATIONS

BOOKS	BOOK CHAPTERS	SCOPUS	WEB OF SCIENCE	UGC LISTED
OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	

PUBLICATIONS: BOOKS ()

S. No	Title of the Book	Publication	Year

BOOK CHAPTERS ()

S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No
1	Viscous damping of Alfvén surface waves with steady flows	Astrophysics and Space Science Proceedings	ISSN: 1570-6591 pp. 429-432

PUBLICATIONS: SCOPUS INDEXED JOURNALS () WEB OF SCIENCE ()

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
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1	Study of MHD surface waves along the interfaces of the magnetosheath, boundary layer and magnetosphere with the effect of solar wind	Bulletin of Astronomical Society of India	ISSN <u>0304-9523</u> Vol.35, IF 0.715 & pp. 481-486
2	Viscous damping of Alfvén surface waves in the solar atmosphere	Plasma Physics Reports	ISSN: 1063780X, Vol. 35, No. 11, IF 1.187 & pp. 976 - 979
3	Propagation of Alfvén surface waves along the ionospheric plasma slab with the effect of gravity	European Physical Journal D	ISSN: 14346060 Vol. 66, Issue 32, IF 1.541 & pp. 1-7

PUBLICATIONS: UGC LISTED JOURNALS ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No

PUBLICATIONS: OTHER INDEXED JOURNALS ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor &Pg.No
1	Viscous damping of Alfvén surface waves at a magnetic interface	Journal of Physics: Conference Series	ISSN: 1742-6588 Vol. 208 & p. 012071(1-7)

AS A RESOURCE PERSON (26)

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	State level seminar on "Research Avenues in Physics"	UGC	Arul Anandar College, Karumathur on 18.02.2013
2	Young Student Scientist Programme (YSSP May 2013)	TNSCST	St. Xavier's College, Palayamkottai from 06.05.2013 to 25.05.2013
3	Physics Association meeting	St. Xavier's College of Education, Palayamkottai	St. Xavier's College of Education, Palayamkottai on 18.02.2014
4	Young Student Scientist Programme 2014 Phase - II	TNSCST	St. Xavier's College, Palayamkottai from 21.04.2014 to 10.05.2014
5	Lecture series under Star College Programme	Department of Biotechnology, New Delhi	St. Xavier's College, Palayamkottai on 22.01.2015
6	In-service Teacher Professional Development Package (ITPD) in Science for School Teachers	Rashtriya Madhyamik Shiksha Abhiyan scheme	SCAD Engineering College, Cheranmahadevi on 15.09.2015
7	Cluster of Colleges Meeting in Physics	VHNSN College, Virudhunagar	VHNSN College, Virudhunagar on 19.12.2015
8	Inauguration of Physics Association	Sarah Tucker College, Tirunelveli	Sarah Tucker College, Tirunelveli on 11.09.2018
9	Inauguration of Physics Association	St. Ignatius Convent Hr. Sec. School, Palayamkottai	St. Ignatius Convent Hr. Sec. School, Palayamkottai on 25.01.2019

**WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP
PAPER PRESENTED: National () International ()**

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	19 th National Symposium on Plasma Science and Technology (PLASMA-2004)	Plasma Science Society of India (PSSI)	Bundelkhand University, Jhansi from December 7-10, 2004
2	Indo - Chinese Workshop on Recent Advances in Solar Physics	Indian Institute of Astrophysics	Indian Institute of Astrophysics, Bangalore, November 7-11, 2005
3	UN/NASA workshop on “International Heliospheric Year and Basic Space Science	Indian Institute of Astrophysics	Indian Institute of Astrophysics, Bangalore, December 23-27, 2006
4	22 nd National Symposium on Plasma Science and Technology (PLASMA-2007)	Plasma Science Society of India (PSSI)	Institute for Plasma Research, Gujarat, December 6-9, 2007
5	International conference on “Magnetic Coupling between the Interior and Atmosphere of the Sun (Centenary Commemoration of the discovery of the Evershed Effect)”	Indian Institute of Astrophysics	Indian Institute of Astrophysics, Bangalore, December 2-5, 2008
6	24 th National Symposium on Plasma Science and Technology (PLASMA-2009)	Plasma Science Society of India (PSSI)	National Institute of Tech, Hamirpur, December 8-11, 2009.
7	National seminar on Recent Trends in Modern Chemistry-Green Chemistry	CSIR	PSNA College of Engineering and Technology, Dindigul, February 23-24, 2012.
8	International Conference on Thin Films & Applications	Indian Institute of Astrophysics	SASTRA University, Thanjavur, March

			15-17, 2012
5	National level seminar on Materials and Nanomaterials	DST	St. Xavier's College (Autonomous), Palayamkottai, March 7 – 8, 2013

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED:

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	Kodai Summer School in Physics	Indian Institute of Astrophysics	Indian Institute of Astrophysics , Kodaikanal Solar Observatory from June 2-21, 2003
2	Winter School in Solar Physics	Indian Institute of Astrophysics	Indian Institute of Astrophysics , Kodaikanal Solar Observatory from December 10-22, 2006
3	National Seminar on “Environmental Education – Challenges and Practices”	St. Xavier's College	St. Xavier's College, Palayamkottai, January 10-11, 2013
4	State level seminar on “Research Avenues in Physics”	UGC	Arul Anandar College, Karumathur on February 18, 2013
5	Faculty Workshop on Competence Building	UGC	St. Xavier's College, Palayamkottai, March 15-16, 2013
6	Regional seminar on “Environmental Management”	UGC	St. Xavier's College, Palayamkottai, March 7, 2014.
7	National seminar on “International Year of Mathematics for the Planet Earth 2013”	UGC	St. Mary's College (Autonomous), Thoothukudi, July 17-18, 2014
8	National seminar on “Innovations in Student Centered Teaching – Learning Process in 21st Century”	NAAC	St. Xavier's College, Palayamkottai, January 29-30, 2015
9	INTERNATIONAL CONFERENCE ON Solar Energy (INCSE-2015) as the commemoration of 2015 - INTERNATIONAL YEAR OF LIGHT,	St. Mary's College (Autonomous), Thoothukudi	St. Mary's College (Autonomous), Thoothukudi February 11, 2015
10	International Webinar Series on Astronomy and Astrophysics titled “The Universe: Reaching through Radio Waves”	Karunya Institute of Technology and Sciences, Coimbatore	Webinar on May 29, 2020

11	International webinar on “ Recent Trends in Applied Sciences ”	VHNSN College, Virudhunagar	Webinar during May 29 & 30, 2020
12	International virtual lecture workshop on “ Bio-Nano Interface for COVID-19 ”	Thiagarajar College, Madurai	Webinar on May 31, 2020.
13	Webinar on “ Kheezhadi: The foot prints of vaigai river valley civilization ”	Arul Anandar College, Karumathur,	Webinar on June 10, 2020.
14	International webinar on “ Accelerating Education 4.0 using ICT Tools - POST COVID PARADIGM ”	St. Xavier’s College, Palayamkottai	Webinar on June 17, 2020.
15	International Webinar Series on Astronomy and Astrophysics titled “ A Stars Dance at the Center of Our Milky Way Galaxy ”	Karunya Institute of Technology and Sciences, Coimbatore	Webinar on June 19, 2020
16	Five Days Webinar Series on “ Advances in Material Science and Technology (WSAMST – 2020) ”	University of Petroleum and Energy Studies, Dehradun	Webinar during June 22 – 26, 2020
17	National webinar on “ COVID – 19 & Care for Environment ”	St. Xavier’s College, Palayamkottai	Webinar on June 26, 2020.
18	Webinar on “ Future Generation Solar Cell ”	Karunya Institute of Technology and Sciences, Coimbatore	Webinar on July 4, 2020
19	International Webinar Series on Astronomy and Astrophysics titled “ The Exciting story of Exoplanets ”	Karunya Institute of Technology and Sciences, Coimbatore	Webinar on July 8, 2020
20	E-Lecture Series Four on “ Application of Radiation in Material Science ”	St. John’s College, Palayamkottai	Webinar on July 11, 2020
21	National webinar on “ Online Education – Obstacles and Solutions ”	St. Xavier’s College, Palayamkottai	Webinar on July 16, 2020.
22	Webinar series on “ The Space Scientists – Adithya ”	Jansons Institute of Technology, Coimbatore and Galileo Science Club (VP-TN0014), Vigyan Prasar under Department of Science and Technology, Govt. of India	Webinar on July 22, 2020.
23	Webinar series on “ The Space Scientists – Satellite for Public Health ”	Jansons Institute of Technology, Coimbatore and Galileo Science Club (VP-TN0014), Vigyan Prasar under Department of Science and Technology, Govt. of India	Webinar on July 23, 2020.

24	International Webinar Series on Astronomy and Astrophysics titled “Are We Alone in the Universe?”	Karunya Institute of Technology and Sciences, Coimbatore	Webinar on July 24, 2020
25	Webinar series on “The Space Scientists – Astronomical Time Keeping: A Primer”	Jansons Institute of Technology, Coimbatore and Galileo Science Club (VP-TN0014), Vigyan Prasara under Department of Science and Technology, Govt. of India	Webinar on July 25, 2020.
26	International Virtual Conference on “Recent Trends and Innovations in Science, Engineering and Social Sciences (IVCRTISESS-2020)	VHNSN College, Virudhunagar and PEARL – A Foundation for Educational Excellence, Bengaluru	Webinar during September 4 – 6, 2020
27	International Level Webinar on “Recent Advancements in Supercapacitor Electrode Materials	Nehru Institute of Engineering and Technology, Coimbatore	Webinar on September 17, 2020.
28	Three days lecture workshop on “Recent Trends in Materials Science”	Indian Science Academies, and Kongu Engineering College, Perundurai	Webinar during September 28 – 30, 2020
29	International Webinar Series on Indian Nuclear Power Programme titled “India’s Three Stage Nuclear Power Programme: Envisioning the Dream of Dr. Homi Jehangir Bhabha”	Karunya Institute of Technology and Sciences, Coimbatore	Webinar on June 8, 2021
30	International Webinar Series on Indian Nuclear Power Programme titled “The Radical Power of the Atom: Peaceful Applications of the Nucleus”	Karunya Institute of Technology and Sciences, Coimbatore	Webinar on June 15, 2021
31	National webinar on “Future of Lithium Based Batteries – In Indian Scenario”	Karunya Institute of Technology and Sciences, Coimbatore	Webinar on June 18, 2021
32	International Webinar Series on Indian Nuclear Power Programme titled “Fast Forward to Energy Sustainability: The Indian Fast Breeder Reactor Programme”	Karunya Institute of Technology and Sciences, Coimbatore	Webinar on June 22, 2021
33	International Webinar Series on Astronomy and Astrophysics titled “The Sun”, by Prof. Nat. Gopalswamy, NASA	Karunya Institute of Technology and Sciences, Coimbatore	Webinar on June 28, 2021
34	International Webinar Series on Astronomy and Astrophysics titled “The Magnificent Sun – Our Star”	Karunya Institute of Technology and Sciences, Coimbatore	Webinar on July 8, 2021

35	International Webinar Series on Astronomy and Astrophysics titled “ Twinkle Twinkle Litter Stars! How I wonder What You Are!! ”	Karunya Institute of Technology and Sciences, Coimbatore	Webinar on July 22, 2021
36	National webinar on “ Matrices in Physics ”	St. Xavier’s College, Palayamkottai	Webinar on August 4, 2021
37	International Moon Day webinar on “ To the Moon and Beyond – A Neil Armstrong Retrospective and Perspective ”	Kodaikanal Solar Observatory, Indian Institute of Astrophysics	Webinar on July 20, 2022

COUNTRIES VISITED			
S. No.	COUNTRY	PROGRAMME	DURATION
1	Sri Lanka	Got selected by the Indian High Commission to teach the students of Indian origin	30 days during April 2006
2	China	Got selected by the Ministry of Youth Affairs & Sports as an “ Indian Youth Delegate to China ”	October 8-17, 2006.

EXTRA-CURRICULAR ACTIVITIES/ CO-CURRICULAR ACTIVITIES ATTENDED(NCC/NSS/YRC/SPORTS/LITERARY AND CULTURAL ACTIVITIES)

Date:

Name: