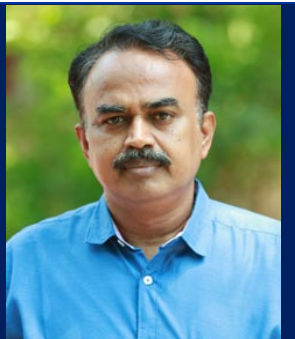




PROFILE

Name: Dr. A. Shanmugaraju			
Department	Physics		
Designation	Assistant Professor		
Email	ashanmugaraju@gmail.com		
Teaching Experience	UG:20	PG:15	

Recognised Educational Qualifications

S. No.	QUALIFICATION	INSTITUTION	BOARD/ UNIVERSITY	YEAR OF PASSING
1	B.Sc.	A.N.J.A.College, Sivakasi	Madurai Kamaraj University	1990
2	M.Sc.	A.N.J.A.College, Sivakasi	Madurai Kamaraj University	1992
3	PGDCA	Madurai Kamaraj University	Madurai Kamaraj University	1997
4	Ph.D.	Madurai Kamaraj University	Madurai Kamaraj University	2000

Work Experience

S.No	Name of the Institution/Organisation	Designation	Nature of Work	Period
1	Jeyaraj Chelladurai College, Periyakulam	Assistant Professor	Teaching	1998-1999
2	Thiagarajar College, Madurai	Assistant Professor	Teaching	2000-2001
3	University of Los Andes, Colombia	Assistant Professor	Teaching and Research	2002-2004
4	Arul Anandar College	Assistant Professor	Teaching and Research	2005- till date

Publications (Contributions in Journals/Edited Books/Proceedings)

No.	Title of the Paper	Name of the Journal	Volume and Page No.	ISSN/ISBN No	Publisher and Place	Year
1	Certain constructional aspects of the analog receiver for a solar radio spectrograph	Ind. J. of Pure and App. Phys.	33,220-224	0975-1041	CSIR	1995
2	Design, constructional aspects and first results of the solar radio spectrograph	Ind. J. Radio and Space Phys.	25,53-60	0367-8393	CSIR	1996
3	Radio spectrograph observations of the recent solar eclipse on October 24, 1995	Kodaikanal Obs. Bull.	13,147-149	0374-3667	IIA	1997
4	The Madurai solar radio spectrograph	Bull. of Astron. Soc. of India	26,305	0304-9523	ASI	1998
5	Initial results from the Madurai Solar Radio Spectrograph	Solar Physics	188,155-162	0038-0938	Springer	1999
6	On the possibility of radio emission from Quasi-	Journal of Astrophysics	21 (3&4),25	0250-6335	Springer	2000

	parallel and Quasi-perpendicular propagation of shocks	and Astronomy	9			
7	Characteristics of a solar type II radio burst observed on 22 March 1998	Solar Physics	201,373-381	0038-0938	Springer	2001
8	An Investigation of solar maximum metric type II radio bursts: Do two kinds of coronal shock sources exist?	Solar Physics	215,161-184	0038-0938	Springer	2003
9	On the kinematic evolution of flare-associated CMEs	Solar Physics	215,185-201	0038-0938	Springer	2003
10	Statistical characteristics of CMEs and flares associated with solar type II radio bursts	Solar Physics	217,301-317	0038-0938	Springer	2003
11	Re-evaluation of the flare – type II – CME association	Solar Physics	225,141-155	0038-0938	Springer	2005
12	Multiple type II solar radio bursts	Solar Physics	232,87-103,	0038-0938	Springer	2005
13	Examination of type II origin with SOHO/LASCO observations	Journal of Geophysical Research	112(A2), 101		Americal Geophysical Union	2005
14	Origin of coronal shocks without mass ejections	Solar Physics	233,117-127	0038-0938	Springer	2006
15	X-ray plasma ejections associated with coronal type II shocks	Astronomy & Astrophysics	458,653-659	0004-6361	EDP Science	2006
16	Low coronal observations of metric type IIs associated CMEs by MLSO coronameters	Astronomy & Astrophysics	491, 873-882	0004-6361	EDP Science	2008

17	Type II Radio Bursts with High and Low Starting Frequencies	Solar Physics	254,297-310	0038-0938	Springer	May 2009
18	Radial evolution of well-observed slow CMEs in the distance range 2-30R _o	Solar Physics	257,351-361	0038-0938	Springer	June 2009
19	Effects of source location on the properties of CMEs	Journal of Korean Astronomical Society	42,55-60	1225 4614	Korean Astronomical Society	June 2009
20	Type II radio bursts and m and DH wavelength ranges and their relation to flares and CMEs	Solar Physics	258,105-118	0038-0938	Springer	June 2009
21	Quasi-periodic oscillations in LASCO CME speeds	Astrophysical Journal	708,450-455	2041-8213	IOP	January 2010
22	Characteristics of Coronal Mass Ejection associated with DH type II Radio Bursts(All and Limb events)	Astrophysics and Space Science	330,237	0004-640X	Springer	May 2010
23	Coronal Shocks Associated with Impulsive and Decaying Phases of Solar Flares	Solar Physics	264,353-364	0038-0938	Springer	July 2010
24	Type II radio bursts and m and DH wavelength ranges and their relation to flares and CMEs: II	Solar Physics	266,135	0038-0938	Springer	Aug. 2010
25	Correlation between CME and Flare Parameters (with and without Type II Bursts)	Solar Physics	270,273	0038-0938	Springer	May 2011
26	Relationship between multiple type II solar radio bursts and CME observed by STEREO/SECCHI	Astronomy & Astrophysics	530,16	0004-6361	530,16	June 2011
27	Characteristics of DH type II bursts, CMEs and flares with respect to the	Astrophysics & Space	337,47	0004-640X	Springer	Sep. 2011

	acceleration of CMEs	Science				
28	Kinematics Parameters of CME's & Flares of Radio loud CME's	Solar Physics	281,765	0038-0938	Springer	2012
29	Distinctions between the characteristics of before and after DH CMEs associated flares	Astrophysics and Space Science	340,1-8	0004-640X	Springer	2012
30	Solar and interplanetary parameters of CMEs with and without type II radio bursts	Advances in Space Research	50,516-525	0273-1177	Elsevier	2012
31	Propagation of Interplanetary Coronal Mass Ejections: The Drag-Based Model	Solar Physics	285,295-315	0038-0938	Springer	2013
32	Study of interacting CMEs and DH type II radio bursts	Astrophysics and Space Science	344,305-312	Print:0004-640X	Springer	2013
33	Propagation of normal and faster CMEs in the interplanetary medium	Advances in Space Research	52,1168	0273-1177	Elsevier	2013
34	Kinematics of strongly accelerated and strongly decelerated coronal mass ejections	Central European Astronomical Bulletin	37,673	0351-2657	Zagreb Univ.	2013
35	Statistical study on the standoff distance of interplanetary coronal mass ejections	Journal of Atmospheric and Solar Terrestrial Physics	105,181	1364-6826	Elsevier	2013
36	Transit time of CMEs under different ambient solar wind conditions	Solar Physics	289,339	0038-0938	Springer	2014
37	Geoeffectiveness and flare properties of radio-loud CMEs	Astrophysics and Space Science	350,33	Print:0004-640X	Springer	2014
38	Determination of coronal	Astrophysics	351,67	Print:0004	Springer	2014

	magnetic field in the height range 10-26Ro using the density compression ratios of CME-driven shocks	and Space Science		-640X		
39	Interacting CMEs and their associated flare and SEP activities	Astrophysics and Space Science	352,385	Print:0004-640X	Springer	2014
40	Interaction Between Two CMEs During 14 - 15 February 2011 and Their Unusual Radio Signature	Solar Physics	289,4621	0038-0938	Springer	2014
41	Transit time of CME/shock associated with four major geo-effective CMEs in solar cycle 24	Advances in Space Research	55,407	0273-1177	Elsevier	Jan,2015
42	Investigation on Radio-Quiet and Radio-Loud Fast CMEs and Their Associated Flares During Solar Cycles 23 and 24	Solar Physics	290,875	0038-0938	Springer	Mar,2015
43	Arrival time of solar eruptive CMEs associated with ICMEs of magnetic cloud and ejecta	Astrophysics and Space Science	357,69	Print:0004-640X	Springer	May,2015
44	Empirical Relationship Between CME Parameters and Geo-effectiveness of Halo CMEs in the Rising Phase of Solar Cycle 24	Solar Physics	290,1417	0038-0938	Springer	May,2015
45	Halo Coronal Mass Ejections and their relation to DH type II radio bursts	Solar Physics	290,2963	0038-0938	Springer	Oct,2015
46	Investigation of X-class Flare-Associated Coronal Mass Ejections with and without DH Type II Radio Bursts	Solar Physics	290,3365	0038-0938	Springer	Nov. 2015
47	Investigations of slow and fast Coronal Mass Ejections and their associated	Indian Journal of Radio and	44,113	0367-8393	CSIR	Sep.2015

	activities in Solar Cycle 24	Space Physics				
48	Study of intensive solar flares in the rise phase of solar cycle 23 and 24 and other activities	Astrophysics and Space Science	361,78	Print:0004-640X	Springer	Feb., 2016
49	Relationships Between Interplanetary Coronal Mass Ejection Characteristics and Geoeffectiveness in the Rising Phase of Solar Cycles 23 and 24	Solar Physics	291,1547	0038-0938	Springer	June 2016
50	Evaluation of standoff distance method to determine the coronal magnetic field using CME-driven shocks	Astrophysics and Space Science	361,360	Print:0004-640X	Springer	Nov. 2016
51	Statistical Analysis of Periodic Oscillations in LASCO Coronal Mass Ejection Speeds	Solar Physics	291,3751	0038-0938	Springer	Dec. 2016
52	Comparison of ICME Parameters Using Drag Based Model for Interacting and Non-interacting CMEs	Central European Astronomical Bulletin	40,170	0351-2657	Zagreb Univ.	2016
53	A Study on the Kinematics of a CME-Shock Interaction Event Associated with Flares and Type II Bursts on 22 May 2013	Central European Astronomical Bulletin	40,163	0351-2657	Zagreb Univ.	2016
54	Investigation on the source location of flares associated with type II radio bursts using multi-wavelength observations	Indian Journal of Radio and Space Physics	45,154	0367-8393	CSIR	Dec. 2016
55	Formation and Eruption of a Flux Rope from the Sigmoid Active Region NOAA 11719 and Associated M6.5 Flare: A Multi-wavelength	Astrophysical Journal	834,42	2041-8213	IOP	January 2017

	Study					
56	Characteristics of events with metric-to-decahectometric type II radio bursts associated with CMEs and flares in relation to SEP events	Astrophysics and Space Science	362,56	Print:0004-640X	Springer	Mar. 2017
57	Investigation on M-class Flare-Associated Coronal Mass Ejections with and Without DH Type II Radio Bursts	Solar Physics	292(6),74	0038-0938	Springer	June 2017
58	Propagation of Coronal Mass Ejections Observed During the Rising Phase of Solar Cycle 24	Solar Physics	292(9)	0038-0938	Springer	Sep.2017
59	Heights of Coronal Mass Ejections and Shocks Inferred from Metric and DH Type II Radio Bursts	Solar Physics	292(9)	0038-0938	Springer	Sep.2017
60	Properties and relationship between solar eruptive flares and Coronal Mass Ejections during rising phase of Solar Cycles 23 and 24	Advances in Space Research	55,407	0273-1177	Elsevier	Sep.2017
61	Multiwavelength study of a flare and burst associated coronal mass ejection	Indian J. Radio and Space Phys.	46(3), 91-97	0367-8393	CSIR	Sep.2017
62	Interplanetary type II radio bursts and their association with CMEs and flares	Astrophysics and Space Science	363,126	Print:0004-640X	Springer	June 2018
63	A Major Geoeffective CME from NOAA 12371: Initiation, CME-CME Interactions, and Interplanetary Consequences	Solar Physics	293,107	0038-0938	Springer	July 2018
64	Distinction in the Interplanetary Characteristics of Accelerated and Decelerated CMEs/Shocks	Earth, Moon and Planet	122,73-82	0167-9295	Springer	Dec.2018

65	A study on radio-loud interacting/non-interacting CMEs-associated SEPs and solar flares	Advances in Space Research	63(10),3 390-3403			May,20 19
66	Study of Interplanetary CMEs/Shocks During Solar Cycle 24 Using Drag-Based Model: The Role of Solar Wind	Solar Physics	294(4)	0038- 0938	Springer	April,20 19
67	Relationships between Interplanetary Coronal Mass Ejection Characteristics and Geoeffectiveness in the Declining Phase of Solar Cycles 23 and 24	Solar Physics	295(4)	0038- 0938	Springer	April,20 20
68	Statistical Characteristics on SEPs, Radio-Loud CMEs, Low Frequency Type II and Type III Radio Bursts Associated with Impulsive and Gradual Flares	Earth, Moon and Planet	123(3),6 1-85	0167- 9295	Springer	July,202 0
69	Multiwavelength Analysis of the Kinematics of a Long Duration Flare-CME Event on 27 January 2012	Solar Physics	295(9),1 21	0038- 0938	Springer	Septemb er,2020

Books/Journals Published or Edited

Name of the Book/Journal/Conference Proceedings	Whether Journal/Book/conference Proceedings	Author/Co Author	ISSN/ISBN No	Volume No	Publisher and Place	Year of Publishing and Edition
Introduction to Astrophysics	Book	A.Shanmugaraju	-	-	Arul Anandar College	2019

Projects Completed

Title of the Project	Principal Investigator/Co investigator	Funding Agency	Duration	Amount
Modeling the Propagation of Coronal Mass Ejection from the Sun	Dr.A.Shanmugaraju	UGC	2010-2012	Rs.75,000/-
Investigations of Coronal Mass Ejection from the Sun, their associated activities and Geo-space consequences	Dr.A.Shanmugaraju	UGC	2013-2017	Rs.10,56,000/-

Reviewer Details

Name of the Journals	Date
Planetary and Space Science, Elsevier	8.10.2010
Atmospheric and solar –terrestrial physics, Elsevier	4.7.2010
Solar Phys., Springer	

Astrophysics and Space Science, Springer	2012
Solar Phys., Springer	2012
Solar Phys., Springer	31.12.2014
JACJOSHAM journal, JA College for Women, Periyakulam	2015-2017
JACJOSHAM journal, JA College for Women, Periyakulam	23.02.2018
Advances in Space Research, Elsevier	16.03.2018

Ph.D Guideship Details

Subject	University	Guideship Id No	No of Scholars pursuing	No of Scholars Completed
Physics	Madurai Kamaraj University	982-24 th July 2009	2	5

Conference/Workshop/Seminar – Organised

S. NO.	NAME OF THE SEMINAR/CONFERENCE/WORKSHOP	ORGANISING CAPACITY	SPONSOR	PERIOD/ DATE
1	One day seminar on “International Heliophysical Year”	Organising Secretary	TNSCST	2007
2	One day Seminar on “Myths and Realities of Solar Eclipse”	Organising Secretary	UGC	14th July 2009
3	Awareness program for school students on “Solar Eclipse”	Organising Secretary	Astronomical Society of	21st July 2009

4	Eclipse Watching-Camp For public	Organising Secretary	-	22nd July 2009
5	One day seminar on “E-learning in physics”	Organising Secretary	UGC (autonomous grant)	13.12.2010
6	One day seminar on “Role of Physics in Atmospheric Sciences”	Organising Secretary	UGC (autonomous grant)	4.8.2012
7	One Day State Level Seminar on “Research Avenues in Physics”	Organising Secretary	UGC (autonomous grant)	18.2.2013
8	National Conference on Astronomy and Space Technology	Organising Secretary	UGC (autonomous grant)	29.01.2018

Resource Person

Whether Speaker/Moderator/Panellists	Title of the Presentation	Title of the Seminar/Conference/Workshop	Organising institution and Place	Date
Speaker	Guest lecture – Solar Astronomy: Importance of studying the Sun		Yadava College, Madurai	23 Feb.2006
Speaker	Guest lecture – Sun-our nearest star		Thiagarajar College, Madurai	6 Feb.2007
Speaker	Guest lecture – Solar activities: Flares, CMEs and bursts	Seminar on International Heliophysical year 2007 –AAC	Arul Anandar College, Karumathur	11-12.12.2007

Speaker	Guest lecture – International year of Astronomy 2009	Training for secondary grade school teachers	Jayaraj Annapackiam College for Women, Periyakulam	6-10.01.2009
Speaker	Guest lecture – “Astronomy”	Summer Science awareness camp for school students	Jayaraj Annapackiam College for Women, Periyakulam	15-19.05.2008
Moderator	Conducted Quiz competition	intercollegiate programme	Fatima college, Madurai	15.10.2008
Speaker	“International Year of Astronomy 2009”,	Orientation course for School science teachers	Jayaraj Annapackiam College for Women, Periyakulam	6-10, January 2009
Speaker	Radio Talk- Indian Astronomy		All India Radio, Madurai	2009
Speaker	Guest lecture – Skills of employability		intercollegiate meet “JACADAS09” at JAC	4.3.2009
Speaker	Radio Talk- Suriya Vaniyal		All India Radio, Madurai	26.5.2009
Speaker	Radio Talk- Asteroids		All India Radio, Madurai	2009
Speaker	Guest lecture on “International year of Astronomy and Invisible Sun”	One day seminar on “Myths and Realities of Solar Eclipse”	Arul Anandar College, Madurai	14.07.2009

Speaker	Guest lecture in the Inter-collegiate prog.	Seminar on “Expanding Universe and Race to Space”	Thiagarajar College, Madurai	01.10.2009
Speaker	Guest lecture	Seminar on Recent Trends in Astrophysics	School of Physics, M.K.University	28-29.1.2010
Speaker	4 Invited lectures on Astrophysics	Refresher Course for Lecturers organized by the Academic Staff College, MKU	School of Physics, M.K.University	3-23.11.2009
Speaker	Guest lecture in the Inter-collegiate prog.	Seminar on “Introduction to Radio Astronomy”	S.F.R. College, Sivakasi	29.3.2010
Speaker	Guest lecture on “Multi-wavelength Astronomy”	Physics Association Meeting	A.N.J.A. College, Sivakasi	11.02.2010
Speaker	Guest lecture on “Observation of sky in multiwavelengths”-	Physics Association Meeting	V.V.V.college for women,Virdhunagar	4.10.2010
Speaker	Guest lecture “Multiwavelength Astronomy and solar –terrestrial astronomy”	Refresher Course for college lecturers organized by the Academic Staff College, MKU	School of Physics, M.K.University	15.11.2010

	Course designer for preparing lesson materials in diploma in astronomy and astrophysics.- MKU		M.K.University	3.9.2010
Speaker	Guest lecture on “Introduction to the Universe”-	Physics Association Meeting	Sri Kaliswari College, Sivakasi	9.7.2012
Speaker	Guest lecture “Excitations of the Sun”,	Physics Association Meeting	Yadava College, Madurai	8.2.2012
Speaker	Resource Person	National Science Mela 2012, organized by Dept. of Religion and Value Educaiton, Arul Anandar College	Kovilangulam	16-18.3.2012
Speaker	Guest lecture on “Understanding the Universe”	Physics Association Meeting	H.K.R.H. College, Uthamapalayam	31.7.2012
Speaker	Guest lecture on “Introduction to the Space Science”	Physics Association Meeting	M.K.University College, Aundipatti	31.7.2012
Speaker	Special Lecture on “Higgs Boson”	Physics Association Meeting	Arul Anandar College	17.9.2012
Speaker	Invited talk: Multiwavelength Astronomy	Physics Association Meeting	Sakthi College of Arts and Science,	15.02.2014

			Dindigul	
Speaker	Invited talk: Mangalyan		Pudhan virunthu, AAC, Karumathur	11.12.2013
Speaker	Invited talk: Astronomy	Physics Association Meeting	GTN College of Arts and Science, Dindigul	24.02.2014
Speaker	Guest Lecture: Multiwavelength Astronomy	Physics Association Meeting	Sri Meenakshi Govt. Arts College for Women, Madurai	8 th Dec.2014
Speaker	Guest Lecture :Research Avenues in Physics	Physics Association Meeting	Sri Kaliswari College, Sivakasi	23.12.2014
Speaker	Guest Lecture on Introduction to Universe	Physics Association Meeting	Mangayarkarasi College of Arts and Science for Women, Madurai	3.7.2015
Speaker	Invited Talk-	State level workshop on Computational Physics	Ayya Nadar Janaki Ammal College, Sivakasi	21.8.2015
Speaker	Guest Lecture on Astrophysics	Physics Association Meeting	Mannar Thirumalai Nayakkar College, Madurai	24.8.2016
Speaker	Delivered a special lecture on Astrophysics and its Scope in	Physics Association Meeting	Govt. College for Women, Nilakottai	14.02.2018

	Higher Studies			
Speaker	Delivered a special lecture on Emerging Trends in Astrophysics	Physics Association Meeting	P.M.T. College, Usilampatti	05.03.2018
	Reviewer: Manuscript in Astrophysics		Advances in Space Research journal, Elsevier	06.03.2018
Speaker	Delivered an invited lecture on Visible and Invisible Universe	National Science Day Celebration	Yadava College, Madurai	28.02.2019

Fellowship Received

Title of the Project/Research	Name of the Fellowship	Sponsoring Institution/Organisation	Period	Amount
Travel Grant to International Conference "XIV Astrophysical Colloquium-Solar and Solar-Terrestrial Physics", Hvar, Croatia	Travel Grant	UGC	2016	Rs.123000.00

Visits Abroad: -

Countries Visited	Purpose	Dates of Visit
Universidad de Los Andes, Bogota, Colombia	Assistant Professor in Physics	2002-2004
Korea Astronomy and Space science Institute (KASI), Deajong, South Korea	Expert in Solar Astrophysics	April, 2005
Korea Astronomy and Space science Institute	Expert in Solar Astrophysics	Nov., 2006

(KASI), Deajong, South Korea		
Kyun Hee University, South Korea	Expert in Solar Astrophysics	Nov.,2015
Hvar Observatory, Zagreb University, Croatia	Paper presenter-International Conference	Sep-Oct.,2016
Liverpool Hope University, Liverpool, UK	Participant – International Conference- Big Hope2	11-21 June 2018
Ateneo de Manila University, Philippines	Delegate – International Conference on Frontiers in Education	3-6 October 2018

Academic Positions held

Post	Institution	Period
YRC Coordinator	AAC	2011-2016
IQAC Coordinator	AAC	2016-2019
Dean-Academic	AAC	2020 -

E-content Created

Title of the Content	Type of Content	Link
The Exciting Astronomy : Electromagnetic radiations from the sky	Video	https://drive.google.com/file/d/1TLM7bbcvnSQwQvo1ptR3EIDKf23hEaSd/view
Beta Decay	Video	https://drive.google.com/file/d/1NeE90kNynfLG1rRC5BO44hrZX721CDId/view
Hartmann's constant experiment	Video	https://drive.google.com/file/d/13nz5O7hgwa2kVXxa_vhr_oTL1x-uMcBT/view?usp=sharing
Small angle prism experiment	Video	https://drive.google.com/file/d/14TDz2z9S0VxDFp4n0yu842EFMtjqlEVf/view?usp=sharing
Anderson's Bridge experiment	Video	https://drive.google.com/file/d/14MJFb02LBwxXIQvriR9EIM9iZ1HWuxOh/view?usp=sharing
Owen's Bridge experiment	Video	https://drive.google.com/file/d/14S8girjEDBL-B5WQBegvq_5j9RbnNWDj/view?usp=sharing
Nanotechnology-Introduction	PPT	https://drive.google.com/file/d/12rMWDRIv8ag-rqFr_8L86YGPFxQYTVxt/view
Quiz on Radioactivity	Google form	https://docs.google.com/forms/d/1gXTTLTFOlfu-Lps1NzVfj1OtyxQWcwPgmn81ntVoDEM/edit
Solar System	PPT	https://docs.google.com/presentation/d/1I-6FAOI6SwmvAyR9jzXesphJ8_4vbhRfCCSspiVMbuQ/edit
Sun and its activities	PPT	https://docs.google.com/presentation/d/1hDpdZ-ZQjW7yAWvpuJpHKcOF5i3j3Xg6ObSfuZG0UCQ/edit#slide=id.p
Quiz on Basic Astrophysics	Google form	https://docs.google.com/forms/d/1oyE58mmksBIRyYwTJpNJhIijf3r2-YHTtTJLEsUuY8k/edit

Picture Quiz on Sun and its activities	Google jamboard	https://jamboard.google.com/d/1Vg7bW2zGsh6RBJ5Q5GnbDvC0med-rKvFiC421qUgyeM/viewer?f=6
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Achievement & Awards

Award	Institution	Year
Junior Research Fellow	DST, Govt. of India	1993-1995
Senior Research Fellow	CSIR, Govt. of India	1996-1998
2000 Outstanding intellectuals of the 21 st Century	International Biographical Centre, UK	2008
Scientist of the year	International Biographical Centre, UK.	2008
Award of Excellence for Research in Science	Arul Anandar College, Karumathur	2010-2011
Award of Best Teacher	Arul Anandar College, Karumathur	2011-2012
Award of Excellence for Research in Science	Arul Anandar College, Karumathur	2012-2013
Youth Red Cross unit of AAC - Received award for the “Best Performance in Youth Red Cross Movement”	Indian Red Cross Society, Tamilnadu Branch	29 th Oct.2014
Award of Excellence for Research in Science	Arul Anandar College, Karumathur	2014-2015
Award of Excellence for Research in Science	Arul Anandar College, Karumathur	2016-2017
Award of Excellence for Research in Science	Arul Anandar College, Karumathur	2017-2018