

**Dr. M. JAMAL MOHAMED JAFFAR**  
M.Sc., M.Phil., M.Ed., Ph.D (Phy)., MBA (Edu.Mgt.), PGDHET., M.Sc (Psy), Ph.D  
(Edu.Tech)., PGDYE.,  
Associate Professor and Head  
Department of Physics,  
Jamal Mohamed College (Autonomous)  
Tiruchirappalli – 620 020.  
E-mail: [jmjaffar@yahoo.com](mailto:jmjaffar@yahoo.com) Ph. No: +91 94427 03417



## **OBJECTIVE:**

To imprint the mark of Jamal in the educational map of India.

## **SUMMARY:**

- Excellent academic record with research activities in frontier areas such as Medical Physics, Pyramidal Physics, Laser Metallurgy (Space Materials Preparation) carried out at premier institutes like Anna University, NITT, etc., with funding from DAE, UGC and DST, Government of India.
- Qualified educationalist with formal degrees and diploma in Education such as B.Ed., M.Ed., PGDHET, MBA (Education Management)
- Completed the second Ph.D., in Education Technology.
- Rich Experience of about 30 years as an educator with 28 academic years at Jamal.
- Completed a UGC sponsored Minor Research Project.
- Served as the Senate member of Bharathidasan University.
- Much sought after counsellor by the staff and students.
- Has excellent planning, organization skills, effective communication and proven administrative abilities

## **EXPERIENCE**

- Lecturer at Islamiah College, Vaniyambadi from 10 – 8 – 87 to 31 – 03 – 89.
- Lecturer (Management) at Jamal Mohamed College from 26-06-1989 to 10-01-1994.
- Lecturer (Regular Service) at Jamal Mohamed College from 11 – 01 – 1994 till date.

## **ADDITIONAL RESPONSIBILITIES**

- NSS Programme Officer for two years.
- NSS Coordinator for one year.
- Head, Department of Physics from June 2011 to till date.
- Member of Examination Committee, Autonomy Programme from June 2012 to May 2014.
- Member – IQAC of the Autonomy programme for three years.
- Senate Member, Bharathidasan University from August 2013 to August 2016.
- Editor, *The Jamal* from 2012 to 2015.
- Member of Admission Committee from June 2013 till date.
- Nominated Co-ordinator, Part-V, Extension Activities from July 2014 to May 2016.
- Nominated Member, Planning and Evaluation Committee from June 2016 till date.

## EDUCATIONAL DETAILS

S.No	Name of the Course	Institution	Year of Passing	Class Obtained
1.	PGDYE	Alagappa University	2020	First
2.	Ph.D.(Educational Technology)	Bharathidasan University	2019	--
3.	M.Sc(Psy)	Alagappa University	2018	First
4.	PGDHET	Bharathidasan University	2009	First
5.	MBA (Education Management)	Alagappa University	2009	Second
6.	Ph.D.(Physics)	National Institute of Technology	2007	--
7.	M.Ed.	University of Madras	1995	First
8.	B.Ed.	Annamalai University	1993	First
9.	M.Phil.	Anna University	1987	First
10.	M.Sc.	Jamal Mohamed College	1985	First
11.	B.Sc.	GTN Arts College, Dindigul	1983	First
12.	H.Sc.	St.Mary's Higher Sec. School	1980	First
13.	S.S.L.C.	St.Mary's Higher Sec. School	1978	First

### Second Ph.D., THESIS TITLE:

Information and Communication Technology: Knowledge, Skills and Attitude of Arts and Science College Teachers of Bharathidasan University Region.

### First Ph.D., THESIS TITLE:

Laser Surface Modification of Aluminium-Silicon Alloy with Metals and Silicon Carbide.

### Title of the Minor Research Project:

Laser Material Processing of Aluminum and Steel Alloys with Metal and Carbide

### RESEARCH GUIDANCE:

#### *Ph.D: Guided and completed the research work of*

1. Dr. S. Prabhakaran (Ref.No: 12122/Ph.D.K2/Physics/Part-Time/July-2014/Date:19.06.2014)
2. Dr. A. Umar Ali Khan (Ref. No:34387/Ph.D.K2/Physics/Part-Time/October 2014/Date:17/10/2014)

#### *M.Phil:*

Guided nearly 82 scholars in their M.Phil level Research.

## PUBLICATIONS

### *In International Journals:*

- 1) “Opto-electronic device for measuring rate of air flow” in the Indian Journal of Pure&Applied Physics, Vol.35, 1997, pp. 739-742.
- 2) “Metal – Ceramic Composite Layer Formation on Al-Si alloy by Laser Processing” in the Lasers in Engineering, Vol. 15,2005, pp. 267 – 283.
- 3) “Laser Assisted Al-Si-SiC Composite Layer Formation on an Al-Si Alloy” in the Lasers in Engineering, Vol.15,2005, pp. 393 – 411.
- 4) ‘Laser surface modification AISI 316L SS with SiC-Fe-Ni-Cr” in the Journal of Minerals, Metals and Materials Society, Vol.56, No.11. 2006, pp.101-109.
- 5) “Laser surface modification of AISI 316L SS with SiC-Fe-Ni-Cr, in the Lasers in Engineering Journal, Vol.16, No: 5-6, 2006, pp.447 – 458.
- 6) ICT Compétence Levels of Arts and Science College Teachers in Relation to Institutional Variables, M. Jamal Mohamed Jaffar and S. Senthilnathan, Journal of PedagogicResearches and Renovations, Volume 3, Issue 2, June 2016, pp.32-38.
- 7) Green Synthesis of MgO Nano Particles and its Anti-bacterial Activities,L.Umar Ali Khan and M. Jamal Mohamed Jaffar, Iranian Journal of Science and Technology : Transaction A.ISSN: 2364-1819 (electronic version), June-2016.
- 8) Antibacterial and Anticancer Properties of NiO Nano Particles by Co-precipitation Method, L.Umar Ali Khan and M. Jamal Mohamed Jaffar,Journal of Advanced Applied Scientific Research-JOAASR –Vol. 1 No :4, August 2016, ISSN :24543225.
- 9) Higher Education Teachers’ Attitude Towards ICT Integration IntoTeaching-Learning Process, M Jamal Mohamed Jaffar and S. Senthilnathan, International Journal of TeacherEducationalResearch (IJTER), Volume 5, No.9-11, September-November 2016, pp.25-32.
- 10) Scaled Quantum chemical studies of the structure and vibrational spectra of 4-bromo-1,2(methylenedioxy) benzene, International Journal of Science & Applied Research, IJSAR,(4,3),2017 49-61
- 11) Green synthesis of ZnO and Mg doped ZnO Nano particles and its optical properties, L.Umar Ali Khan and M. Jamal Mohamed Jaffar, Journal of Materials Science, ISSN 0957-4522, Feb-2017.
- 12) E-Readiness of college teachers – A Hobson’s choice for ICT inclusion in higher education, NCHEICA /2016/ISBN: 978-93-5258-255-6.Page 89
- 13) Vibrational (IR and Raman) and Computational Tool (HF and DFT) Analysis on 2,4-Difluoro Benzyl Alcohol, Imperial journal of interdisciplinary Research (IJIR) Vol-3, Issue-3,2017. ISSN:2454-1362.

### ***In National Journals:***

- 1) "Laser Assisted Composite Layer formation on Al-Si alloy" in the JARJ.Int. – Jan – June,2004. Vol .1,No.1, pp. 108 – 112.
- 2) "Laser Surface modification of Al-Si alloy with Fe-Cr-SiCpredeposit" in the JARJ.Int. – July – Dec,2005. Vol .2,No.2, pp. 84 – 88.
- 3) "Lacuna and its remedies in Faculty development in Higher Education", RETELL, Vol-9, No.1, March 2009 – ISSN 0973 – 404X, pp. 92-95.
- 4) E- Readiness of CollegeTeachers – A Hobson'sChoice for ICT Inclusion in Higher Education, M Jamal Mohamed Jaffar and S. Senthilnathan, Proceeding of the National Conference on Higher Education in the Knowledge Age: Techno-Pedagogical Perspectives and Innovations, Organized by IQAC, St. Joseph'sCollege, Tiruchirappalli, Tamil Naduduring 24<sup>th</sup>& 25<sup>th</sup> February 2016, ISBN: 978-93-5258-255-6, pp.89-93.
- 5) Vibrational analysis, ab initio HF and DFT studies of 2,4,6-trimethyl phenol, Indian Journal of Pure & Applied Physics Vol 56, pp 119-127 on February 2018.

### **PAPER PRESENTATIONS**

#### ***In International Conferences:***

- 1) "Measurement of Diameter of wires using Laser and Optical fibers", Proceeding of IEEE, presented in Instrumentation and Measurement Technology Conference, Vol. 2, 931, St.Paul, Minnesota, USA, during 18-20, May 1998, pp. 236-242.
- 2) "Formation of Metal Ceramic Layer on Al Alloys(Al-12Si) by Laser Processing" in the International Conference "2003-TMS Annual Meeting, Surface Engineering Symposium in Material Science II" held at San Diego, California, USA during 2 -6 May, 2003, pp.127-132.
- 3) "Al-Si-SiC Composite Layer Formation on Al-Si Alloy by Laser Processing" presented in the International Conference on "Advances in Surface Treatment Research and Applications"(ASTRA-2003) held at Hyderabad during 3-6,November,2003, pp. 68-72.
- 4) Surface Modification of 316L Stainless Steel with Cr and SiC by Laser Processing presented in the International Conference on "Advances in Surface Treatment Research and Applications"(ASTRA-2003) held at Hyderabad during 3-6, November 2003, pp. 189-193.
- 5) "Surface Modification of Al-Si alloy with Cr-SiC" presented in the "International Convention on Surface Modification (INCOSURF-2003)at ISRO,Bangalore during 15-18, August,2004, pp. 46-53.
- 6) "Laser Melting of Graded coating(Fe-SiC-Ni-Cr) on AISI 316L Stainless Steel", Proceedings of Surface Engineering in Materials Science III, 2005 TMS Annual Meeting, San Fransisco, California, 13-17, February,2005, pp. 37-48.
- 7) "Laser Assisted Surface alloy of substrate with Fe – Cr – Si pre-coat" in the International Conference on Optics and Optoelectronics (ICOL-2005)during 12-15, December,2005, pp. 214-219.

- 8) "Fiber optic sensor incorporated liquid layer thickness estimator" in the International Conference on Optics and Optoelectronics (**ICOL-2005**) during 12-15, December, 2005, pp. 147-149.
- 9) "Laser surface modification of AISI 316L SS with Si<sub>3</sub>N<sub>4</sub> and Ti" presented in the International Conference on Optics and Optoelectronics (**ICOL-2005**) during 12-15, December 2005, pp. 422-424.
- 10) "Pioneers in High-Tech class rooms-ICT oriented Higher Education Teachers" presented in the International Conference on "e-Resources in to Higher Education: Issues, Developments, Opportunities and Challenges", organized by Bharathidasan University, 2008, pp. 88-91.

***In National Conferences:***

1. "Investigation of Microhardness of Laser Surface Treated Aluminium Alloy with Ni-SiC" in the National Symposium, 13-15, December 2000 - Organised by **LASTEC, DRDO**, New Delhi.
2. "Micro-hardness Characterization of Laser Alloyed Ni-Cr-Fe Coating on 316LSS" in the National Laser Symposium -NLS 2001, conducted by the Centre for Advanced Technology (**CAT**), Indore, from 19-21, December 2001, sponsored by the Board of Research in Nuclear Sciences (**BRNS**) and Department of Atomic Energy (**DAE**).
3. "Formation of Al-Si-SiC Layer on Al Alloys (Al-12 Si) by Laser Processing" in the National Laser Symposium -NLS 2002 at **Sri Chitra Thirunal Institute for Medical Sciences and Technology, University of Kerala, Thiruvananthapuram**, sponsored by the Board of Research in Nuclear Sciences (**BRNS**) and Department of Atomic Energy (**DAE**) from 14-16, November 2002.
4. "Laser Assisted Modification of Al-Si Alloy with Cr-SiC" presented in the National Laser Symposium **NLS 2003**, conducted at **IIT, Karaghpur** during 3-6, December, 2003.
5. "Laser surface modification of Al-Si alloy with Fe-Cr-Si coating" presented in the National Laser Symposium **NLS 2004**, conducted at **Bhaba Atomic Research Centre (BARC)**, Mumbai during 10-13, January, 2005.
6. Characterization of Laser treated Al-Si alloy with Fe-Cr" presented in the National Laser Symposium (**NLS-2004**) conducted at **BARC**, Mumbai from 10-13, January 2005.
7. "Design of Fibre optic sensor for the measurement of pressure and concentration of solutions" presented in the National Laser Symposium (**NLS-2004**) conducted at **BARC**, Mumbai during 10-13, January 2005.
8. "Laser embedment of Fe-Cr layer on Al-12Si alloy" presented in the National Conference on "Lasers in Technological and Bio - Medical Applications" conducted by St. Joseph's College, Tiruchirappalli during 27 -28, January 2005.
9. "Laser associated Surface modification of Al-Si alloy with Cr<sub>3</sub>C<sub>2</sub> and Si" presented in the National Conference on "Lasers in Technological and Bio - Medical Applications", conducted by St. Joseph's College, Tiruchirappalli during 27-28, January 2005.

10. "Reflectivity based "U" shaped fibre optic temperature sensor" presented in the National Conference on "Lasers in Technological and Bio – Medical Applications" conducted by St. Joseph's College, Tiruchirapalli during 27-28, January, 2005.
11. "Laser Surface Modification of Al-Si alloy with Ti-Cr-SiC Precoating" presented in the Fifth DAE-BRNS National Laser Symposium (NLS-5) during 7-10, December 2005, pp. 284 – 285.
12. "Laser assisted surface layer formation on AISI 304 SS with preplaced Si<sub>3</sub>N<sub>4</sub>-Zr-Ni" presented in the Fifth **DAE-BRNS** National Laser Symposium (NLS-5) during 7-10, December 2005, pp. 332 – 333.
13. "Metal Matrix Composite reinforcement on an Al-Si alloy by Laser Processing" presented in the Fifth **DAE-BRNS** National Laser Symposium (NLS-5) during 7-10, December 2005, pp. 286 – 287.
14. "Reflectivity Based FODS Incorporated Thin Film Thickness Evaluator" presented in the Fifth **DAE-BRNS** National Laser Symposium (NLS-5) during 7-10, December 2005, pp. 289 – 290.
15. "Laser aided Al-Si-WC composite layer formation on an Al-Si substrate", presented in "National Conference on Applied Materials" during 21 – 22, April 2006, conducted by the SRM Deemed University, Chennai.
16. "Characterization of Laser alloyed WC-Zr-Ni coating on AISI 316L SS" presented in the **Sixth DAE-BRNS National Laser Symposium [NLS-6]**, Centre for Advanced Technology (CAT), Indore, Madhya Pradesh during 5 -8, December 2006, pp. 113-114.
17. "Laser Processed composite layer with in – situ synthesized TiC – SiC reinforcement" presented in **Sixth DAE-BRNS National Laser Symposium [NLS-6]**, Centre for Advanced Technology, Indore, Madhya Pradesh during 5 -8, December 2006, pp. 122-123.
18. "Laser assisted stratified alloying of Al – Si alloy with Fe-Cr-Si" presented in **Sixth DAE-BRNS National Laser Symposium [NLS-6]**, Centre for Advanced Technology, Indore, Madhya Pradesh during 5-8, December 2006, pp. 124-125.
19. "Faculty Development in Higher Education" presented in the UGC sponsored National Conference on "The Challenge of Expansion, Quality and Inclusion in Higher Education" at St. Joseph's College, Tiruchirappalli, during 30-31, January 2009, pp. 89-91.
20. "Gender Imbalance in Higher Education – A Bird's Eye View " presented in the UGC sponsored National Conference on "The Challenge of Expansion, Quality and Inclusion in Higher Education" at St. Joseph's College, Tiruchirappalli during 30- 31, January 2009, pp. 54-56.
21. "Constraints in use of ICT in Higher Education" presented in the UGC sponsored National conference on "The Role of ICT in Higher Education: Quality, Accessibility and Security" at St. Joseph's College, Tiruchirappalli, during 29-30, January 2010, pp. 67 – 71.
22. "National Mission on Education through ICT (NMEICT): Need, Significance, Modalities and Projected Outcomes" presented in the UGC sponsored National conference on "The Role of ICT in Higher Education: Quality, Accessibility and Security" at St. Joseph's College, Tiruchirappalli, during 29-30, January 2010, pp. 92-96.

23. “Effective incorporation of ICT in Higher education: A TQM Strategy” presented in UGC sponsored Seminar on “Creating competitiveness to excel in Higher Education – A TQM approach” at Jamal Mohamed College, Tiruchirappalli on 08<sup>th</sup> December 2010, pp. 13-17.
24. “ICT for excellence in Higher Education: Teacher Empowerment Perspective” presented in UGC sponsored Seminar on “Creating competitiveness to Excel in Higher Education – A TQM approach” at Jamal Mohamed College, Tiruchirappalli, 08<sup>th</sup> December 2010, pp. 22-25.
25. “Role of ICT polarized teachers in Innovative Teaching – Learning Process” presented in NAAC sponsored State level seminar on “Innovative approaches in Teaching – Learning Process” at Adhiparasakthi College of Arts and Science, Kalavai, Vellore, during 2- 3<sup>rd</sup> February 2011, pp. 29 – 31.
26. “Materials Processing” in the DST sponsored National Level Seminar on “Recent Trends in Physics – NSRTP-2011” at Sivani Engineering College, Tiruchirappalli, during 18- 19<sup>th</sup> March, 2011, pp. 30-31.
27. “Impact of ICT – KSA of Teachers in Technology Integrated Education” Presented in National level seminar on “Integrating Technology with Education” at Alagappa University, Karaikudi during 25– 26, March 2011, pp. 25-26.
28. “ICT Incorporated Teaching-Learning Methodology: A Stepping Stone In The Travel Towards Excellence and Beyond Excellence” presented in UGC sponsored one day seminar on Teaching, Learning and Research in Higher Education – Excellence and Beyond Excellence held at Jamal Mohamed College on 07<sup>th</sup> March, 2012, pp. 14-17.
29. “Pivotal Role of Information and Communication Technology in Advanced Researches” presented in UGC sponsored one day seminar on Teaching, Learning and Research in Higher Education – Excellence and Beyond Excellence held at Jamal Mohamed College on 07<sup>th</sup> March, 2012, pp. 22-26.
30. Williamson-hall plotting studies of MgO and Fe doped MgO Nanoparticles by green method. National Conference on Recent Developments in Chemistry Organized by PG & Research Department of Chemistry, Jamal Mohamed college, Trichy-20, on 20-01-2018.

#### **SEMINARS AND WORKSHOPS ORGANISED / CONDUCTED**

- State Level Seminar on “Recent Advances in Laser Applications” on 01-03-2010
- National Level Seminar on “Nanoscience and Laser Materials Processing” on 09–03–13.
- International Seminar on “Crystalline Materials and Optoelectronic Devices” on 03-02-14.
- One Day Work Shop on “Amateur Radio” on 28-02-2014.
- National Level Seminar on “Laser and its applications” on 16<sup>th</sup> March 2015
- International Conference on “Recent Trends in Materials Science & Applications”, on 29<sup>th</sup> Feb 2016
- National Level Seminar on “Recent Advancements in materials”, on 15-02-2017
- “Entrepreneurship Development – 2017”, on 21-03-2017
- National Seminar on “Solid State Physics and its applications” on 28-02-2018
- National Seminar on “Advanced Topics in Physics” on 06-03-2019
- National Seminar on “Advanced Materials – (NSAM-2020 )”, Department of Physics, Jamal Mohamed College (Autonomous), Tiruchirappalli on 23-01-2020

- International Conference on “Recent Trends in Material Science (ICRTMS -2020)”, on 10-11-2020
- Online Faculty Development Programme on “Condensed Matter Physics” on 24.01.2022 to 25.01.2022
- Online Faculty Development Programme on “Astronomical studies” on 07.02.2022 to 08.02.2022
- Online Faculty Development Programme on “Intellectual Property Rights”, on 09.02.2022
- International Online Workshop on “Materials Science and Computational Methods”, on 15.02.2022 & 16.02.2022
- National Webinar on “Origin and Utilization of Pyramid Energy”, on 26.02.2022
- A Seminar on “Identification of Asteroid Families, HAM Radio Communications and Radiation Safety”, on 28.02.2022
- A Seminar on “Raman Effect and Its Impact”, on 03.03.2022
- A Workshop on “PCB Making”, on 08.03.2022
- A webinar on “Asteroid search” on 29.03.2022
- A Workshop on “Zero Shadow Day” on 17.04.2022
- “International Conference on Recent Innovations in Materials Sciences and Spectroscopy (ICRIMS-2023)” on 10.01.2023

#### ACTED AS A RESOURCE PERSON

<b>Name of the Seminar / Conference/Workshop and Place</b>	<b>Topic</b>	<b>Date(s)</b>
State level technical quiz and paper presentation organized by Electro Association, Department of Electronics, Christhuraj College of Arts and Science, Trichy	Modern Trends in Electronics	10 <sup>th</sup> March 2004
SPIE & OSA Students Chapter seminar organized by Optical Society of America, National Institute of Technology, Trichy	Lasers and their multidimensional applications	1 <sup>st</sup> March, 2007
Technical Education Quality Improvement Programme (TEQIP) sponsored Short term course organized by Department of Production Engineering, National Institute of Technology, Trichy	Laser Processing of Materials	6-7 <sup>th</sup> March, 2008
State Level Seminar organized by HansRoever’s College, Perambalur	Materials Science	29-30, January 2010
DST sponsored National Level Seminar on “Recent Trends in Physics – NSRTP-2011” at Sivani Engineering College, Tiruchirappalli	Recent Trends in Physics	18– 19, March, 2011
Science Awareness Programme held at Jamal Mohamed College of Teacher Education	Soft Skill Development	03 <sup>rd</sup> February, 2012.
“Theory and Practical Exposure” – In-service training programme for the Science teachers organized by the Directorate of Teacher Education Research and Training, Chennai at Jamal Mohamed College, Trichy	Theory and Practical Exposure	06- 10, February, 2012.



<b>Name of the Seminar / Conference/Workshop and Place</b>	<b>Topic</b>	<b>Date(s)</b>
Leadership programme for the freshers, Jamal Mohamed College	Know the Leader in Yourself	23 <sup>rd</sup> July 2012
“Meet Your Scientist” Programme at Anna Science Centre – Planetarium Tiruchirappalli	Sir.C.V.Raman and his Achievements	07 <sup>th</sup> November, 2012
Faculty Development programme on Soft Skills organized by Internal Quality Assurance Cell, Jamal Mohamed College	Leadership	4 <sup>th</sup> January 2013
Department of Social Work, Jamal Mohamed College, Tiruchirappalli	EQ Estimation	14 <sup>th</sup> February, 2013
Sivanantha Balalaya, Tiruchirappalli	Science in Day to Day Life	25 <sup>th</sup> February, 2013
Department of Physics, Urumu Dhanalakshmi College, Tiruchirappalli	How to prepare a Meaningful Dissertation?	1 <sup>st</sup> March 2013
Physics Association, St. Joseph’s College, Tiruchirappalli	Physics of Pyramids	11 <sup>th</sup> March 2013
Workshop on Lasers and their latest applications, conducted by NITT	Laser Materials Processing	29 <sup>th</sup> May 2013
“Alternative Energy Resources” conducted by Kendriya Vidhyalaya, OFT	$E=MC^2$	31 <sup>st</sup> August 2013
Physics Association, Vivekananda College for Women, Thiruchencode	EQ Estimation	12 <sup>th</sup> September 2013
Physics Association, EVR College, Tiruchirappalli	Nano Deposition through LSM	11 <sup>th</sup> October 2013
Physics Association, Chidambaram Pillai Arts and Science College for Women, Mannachchanallur, Tiruchy	Role of Ultrasonics in Pyramidal Energy	5 <sup>th</sup> December 2013
Department of MSW Jamal Mohamed College Tiruchirappalli	Know U in u	22 <sup>nd</sup> January 2014
One Day National Seminar on “Nano Materials” Holy Cross College, Tiruchirappalli.	Nano Particle Inclusion in Laser Material Processing	12 <sup>th</sup> February 2014
National Seminar on “Materials of this Millennium” Nehru Memorial College, Puthanampatti.	Laser Surface Modification	14 <sup>th</sup> February 2014
“Workshop on Latest Scientific Developments”, Conducted by Tamilnadu Science Forum, Tiruchy	Miracles of Nature	28 <sup>th</sup> February 2014
Language Enrichment programme for the Post Graduate students of Dept. of English, Jamal Mohamed College,	You only can Win	10 <sup>th</sup> March 2014

<b>Name of the Seminar / Conference/Workshop and Place</b>	<b>Topic</b>	<b>Date(s)</b>
English Literary Association, Special Lecture	You Only Can	11 <sup>th</sup> March 2014
Arabic Association, Jamal Mohamed College	You only Can.....	22 <sup>nd</sup> March 2014
“Workshop on Modern Experiments” conducted by TNSF for School teachers at Jamal Mohamed College.	Errors in Experiments	12 <sup>th</sup> June 2014
“Workshop on Student Empowerment” at Srimath Aandavan College, Tiruchy	You only can Win	11 <sup>th</sup> September 2014
Parents – Teachers Meet, Joan of Arc International School, Tiruchy	Teachers - the Second Parent	2 <sup>nd</sup> February 2015
Physics Association, Dhanalakshmi Srinivasan Arts and Science College for Women, Perambalur	Know yourself	20 <sup>th</sup> March 2015
Physics Association, Govt. Arts College, Karur	Ultrasonics	12 <sup>th</sup> August 2015
Physics Association, Bon Secours College, Tanjore	Aim HIGH	30 <sup>th</sup> October 2015
Sir. C.V. Raman Association, Govt. Arts College, Kumbakonam	Laser in Medicine	14 <sup>th</sup> December 2015
Science Interaction Programme for School Teachers, Tamilnadu Science Forum, Tiruchy	Planets and Human life	20 <sup>th</sup> January 2016
Students’ Science Forum, Bon Secours College, Tanjore	Scientific Secrets of Pyramids	10 <sup>th</sup> March 2016
Science Enrichment Programme, Tamilnadu Science Forum, Tiruchy	Chandrayan and Mangalyan	19 <sup>th</sup> April 2016
Inter-collegiate Physics Festival, KSR College, Thiruchencode	Know YOU in you	12 <sup>th</sup> July 2016
Physics Association, Selvamm Arts and Science College, Naamakkal	Lasers in Day-to-day life	30 <sup>th</sup> January 2017
International Conference on Recent advances in Material Science, National College, Trichy.	Recent Instrumentation Techniques	04.02.2019 to 06.02.2019
National Science day workshop, EVR College, Trichy	Physics of Pyramids	28.02.2019
Hans Rover College, Trichy	Nano inclusion by Laser surface Modification	14.08.2019
Physics Association, Aiman College for Arts and Science for Women, Trichy	Physics of Pyramids	17.09.2019
International Conference on Advanced Materials. Sathak Engineering College, Kilakarai	Laser surface Modification	24.01.2020
National Webinar, Ansar Women’s College, Perumpilavu, Kerala	Origin and Utilization of Pyramid Energy	26-02-2022

<b>Name of the Seminar / Conference/Workshop and Place</b>	<b>Topic</b>	<b>Date(s)</b>
Faculty Development Programme, Shrimati Indira Gandhi College, Tiruchirappalli	Innovative Pedagogies of the Future in Teaching Learning Process on “Teaching Psychology”	17-03-2022
“International Conference on Advanced Materials and its applications (ICAMA – 2022)”, Srinivasan College of Arts and Science	International conference on Advanced Materials and its Application	24-03-2022
“3rd International Conference on Recent Advances in Materials Science-ICRAMS 2022”, National College, Tiruchirappalli	Recent Advances in Materials Science - LSM	19.05.2022 to 21.05.2022
International Conference on Environmental Friendly Material and its Applications, Srinivasan College of Arts and Science, Perambalur	Nanoparticle inclusion in aluminium alloys through laser treatment	03.11.2022 & 04.11.2022
Bridge Course for Future Teachers, Jamal Mohamed College of Teacher Education, Trichy	You Only Can Win	23.11.2022
National Webinar on Ultrasonics, Ansar Women’s College, Perumpilavu, Kerala	Ultrasonics in day-to-day life	27.02.2023

## **PERSONAL DETAILS**

Father’s Name : M. Mohamed Abdul  
Age : 59+  
Date of Birth : 17-05-1963  
Address for communication : 10, J.J. Cottage, M.K. Bungalow Compound, Race Course, Tiruchirappalli – 620 020.

## **DECLARATION**

I declare that the details given above are true to the best of my knowledge, intention and belief.

**Signature**

[Dr. M. Jamal Mohamed Jaffar]