

**International Seminar on
Technologically Advanced
Materials**

**MAC's
ISTAM-2018
29th September 2018**

REGISTRATION FORM

Name :

Designation :

University/Institution :

Address for Communication:
.....
.....

Phone :

E-Mail :

Whether presenting paper: Yes/No

Title of the paper :

Paper enclosed : Yes/No

Place: _____
Date: _____ Signature

Photo copy of this form may also be used. Registration may be made in advance by e-mail to istam2018mac@gmail.com

Organizing Committee

Chief Patron

Lion. Dr. H. Mohamed Ali
Secretary/Correspondent, Muslim Arts College

Patron

Haji. S. Syed Mohamed,
President, MES
Mr. M. Mohamed Afzal Fayaz
Joint Secretary, Muslim Arts College
Haji. A. S. Syed Rahim,
Executive member, MES

Advisory Committee

Dr. S. Dawn Dharma Roy,
Principal, Muslim Arts College
Dr. V.S. Pramodh,
Principal, Muslim College of Education
Dr. N. Janardhanan,
Head, Department of English & Research Centre

Convener

Dr. G. Edwin Sheela
Vice Principal,
Head, Department of Physics & Research Centre

Organizing Secretary

Dr. J. Clemy Monicka
Assistant Professor of Physics

Members

Dr. S. Dawn Dharma Roy	Mrs. E.S. Ashlin
Dr. A. Rathika	Mrs. P.R. Babila
Dr. T. Joselin Beaula	Ms. J.S. Jeba
Mrs. J.R. Sheeba	Mrs. R. Abisha
Mrs. A. Iren Sobia	Mrs. S. Ajithra
Mrs. R. Godwini	



**International Seminar on
Technologically Advanced
Materials**

**MAC's
ISTAM-2018
29th September 2018**



Organized by

**The Department of Physics
& Research Centre
Muslim Arts College
Thiruvithancode – 629174
Kanyakumari District, Tamil Nadu, India.
E-mail : istam2018mac@gmail.com**

**In Association with
Indian Spectroscopy Society, Ghaziabad
New Delhi**

About the College

Muslim Arts College, Thiruvithancode is a benefaction of the Muslim Educational Society which was established in the year 1982. Earlier, the college was affiliated to Madurai Kamaraj University with the approval of the Government of Tamil Nadu. From 1990, it is affiliated to Manonmaniam Sundaranar University, Tirunelveli. This college has a commendable role in the growth of education in this district. The college has seen a boom with a steady growth of more than 2000 students, with 180 highly efficient and dedicated faculty members and 75 non-teaching members. This college offers 30 courses in both UG and PG programmes, 8 M.Phil courses and 5 Research programmes.

About the Department

Physics was introduced as a core subject at the undergraduate level in 1985, Postgraduate level in 2010 and M.Phil in 2016. It was upgraded as a Research centre in 2018. The laboratory of UG, PG & Research are spacious and fully furnished to cater to the needs of the students and scholars. The department has notable academic and research achievements.

Objective of the Seminar

To expose the recent developments, applications and innovations in material science to students, Research scholars and faculty members of other discipline.

Thrust Areas

- ❖ Biomaterials
- ❖ Nano materials
- ❖ Computational materials
- ❖ Organic Light Emitting Devices
- ❖ Crystal growth
- ❖ NLO materials
- ❖ Energy and storage devices
- ❖ Thin films
- ❖ Magnetic & Super Conducting materials
- ❖ Space Physics
- ❖ Spectroscopy

Call for papers

Researchers are invited to submit one page abstract (including figures) on or before 24.8.2018. The abstract should be typed in Times New Roman (12), 1.5 line spacing on A4 size. Title should be bold in 14 pts & bold letters, names of authors and affiliation should be in italics (12 pts).

Participants are informed to submit their abstract to istam2018mac@gmail.com using the MS word format and as an attachment.

Poster Presentation

Display area of 1m × 1m will be provided for each poster presentation.

Best Poster Award

Prize will be awarded for outstanding presentation in poster by Indian Spectroscopy Society.

Registration

All participants are requested to register their names using the enclosed form or by email to istam2018mac@gmail.com.

Registration fee details

Research Scholars	:	Rs. 750/-
Faculty members	:	Rs. 1000/-

Important Dates

Submission of abstract	:	24-8-2018
Intimation of acceptance	:	27-8-2018
Last date for registration	:	10-9-2018

Resource Persons

Dr. Young Mee Jung

Department of Chemistry,
Kangwon National University,
Chunchon, Korea.

Dr. K.P. Rajappan Nair,

Hannover University, Germany.

Dr. V.K. Rastogi,

Indian Spectroscopy Society,
Ghaziabad, New Delhi.

Dr. I. Hubert Joe,

Associate Professor,
Mar Ivanios College, Kerala.

Dr. V. Bena Jothy,

Associate Professor,
Women's Christian College, Nagercoil.

Advisory Committee

Dr. I. Hubert Joe, Associate Professor,
Mar Ivanios College, Kerala.

Dr. V.K. Rastogi,

Indian Spectroscopy Society, Ghaziabad, New Delhi.

Dr. T. Chithambara Thanu, Principal,
S.T. Hindu College, Nagercoil.

Dr. A. Moses Ezhil Raj, HOD, Department of Physics,
Scott Christian College, Nagercoil.

Dr. C.M. Padma, HOD, Department of Physics,
Women's Christian College, Nagercoil.

Dr. R. Ganapathi Raman,

Assistant Professor of Physics, NIU, Kumaracoil.

Dr. J. Johnson, Principal

Annai Velankanni College, Tholayavattam.

Address for Correspondence

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Assistant Professor of Physics
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Kanyakumari District, Tamil Nadu, India.
E-mail : istam2018mac@gmail.com
Mobile: +91 9442387607

MUSLIM ARTS COLLEGE, THIRUVITHANCODE
PG AND RESEARCH DEPARTMENT OF PHYSICS
INTERNATIONAL SEMINAR ON TECHNOLOGICALLY
ADVANCED MATERIALS (ISTAM-2018)

The Department of Physics and research centre, Muslim Arts College, organized a one day international seminar on technologically advanced materials on **29th September 2018**. The programme began with Tamilthai Vazhthu. Dr. G. Edwin Sheela, Convener of ISTAM-2018 welcomed the gathering. The seminar was inaugurated by Lion Dr. H. Mohamed Ali, Secretary, Muslim Arts College, Thiruvithancode. More than 150 participants including PG students, M.Phil scholars, research scholars and faculty members actively participated in the seminar. The 'Book of Abstracts', including 65 contributory papers was released by Mr. Mohamed Afzal Fayaz, Joint Secretary, Muslim Arts College, Thiruvithancode. Dr. Young Mee Jung, Department of Chemistry, Kangwon National University, Korea, gave a keynote lecture on 'Versatile Applications of 2D Correlation Spectroscopy'. After the keynote lecture Dr. I. Hubert Joe, Department of Physics, Mar Ivanios College, Thiruvananthapuram, gave a lecture on the important aspects of 'Surface Enhanced Raman Scattering Imaging of Living Cells'. Following him, Dr. V. Bena Jothy, Women's Christian College, Nagercoil, delivered a lecture on the 'Spectral Investigations of Antimicrobial Compounds'. At 12.30 pm the gathering was dispersed for lunch.

The afternoon session started at 1.30 pm with a talk on 'Material Characterization in Gas Phase: Microwave Finger Prints of Molecules' by Dr. K. P. Rajappan Nair, visiting scientist, Hannover, Germany. The research scholars and faculty members from various institutions presented their work during the poster session from 3.00- 4.00 pm.

The valedictory session was started at 4.00 pm by the valedictory address of Dr. Dawn Dharma Roy, Principal, Muslim Arts College, Thiruvithancode. The feedback form was issued to the participants to get their valuable suggestions. Best poster awards were given to Dr. S. Balachandar, Department of Chemistry, Sree

Ramakrishna Mission Vidyalaya, College of Arts and Science and U. Rajesh Kannan, Department of Physics, MDT Hindu College, Tirunelveli. Mrs R. Godwini, Assistant Professor of Physics, Muslim Arts College, Thiruvithancode proposed the words of gratitude. The programme ended with National Anthem.



Principal

PRINCIPAL

MUSLIM ARTS COLLEGE
THIRUVITHANCODE - 629 174

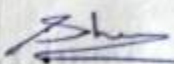

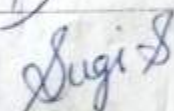


Head of the Department
PG and Research Centre of Physics
MDT Hindu College
Thiruvithancode - 6291742


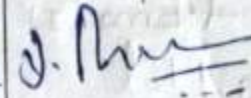
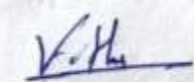
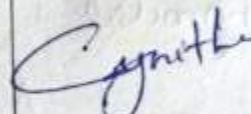
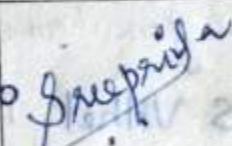

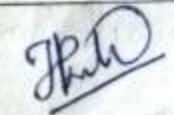
International Seminar on Technologically Advanced Materials

ISTAM - 2018

29th September 2018

Registration for Poster Presentation

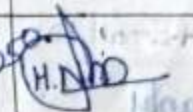

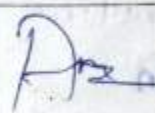
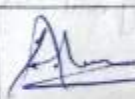


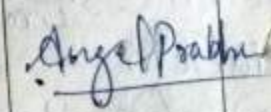
S.No	Name + Email Id	Designation	Institution	Reg .Fee	Signature
① PP-01	G. P. Sheeja Mol sheeja@gmail.com	Research Scholar	N.MCC Nagerecoil	750	
PP-02	P. Dhamodharan chemistrydhamu@gmail.com	Assistant Professor	Sri Ramakrishna Mission Vidyalaya College of Arts & Science Chandrabati - E	750 +250	
PP-03	S. Sugi sugieree90@gmail.com	Research Scholar	W.C.C. Nagerecoil	750	
PP-04	Fredselin RS Vithel fredselin@yahoo.com	Research A.P Scholars	A.V.V.M. Sripushpam College, Poondi, Thanjavur.	750/-	
PP-05	K. Vinoth tgsastra@gmail.com	Assistant professor	Rajah Serfji Government College, Bharathidasan University, Thanjavur.	1000/-	

S.No	Name & Email ID	Designation	Institution	Reg .Fee	Signature
PP-06	B. Leema Rose roseleema.b@gmail.com	Research Scholar	S.T. Hindu college Nagercoil	750/-	
PP-07	D. PRISCILLA KOILPILLAI Prisu2020@gmail.com	Asst. Professor	St. John's college, Palayamkottai Tirunelveli-2	1000/-	
PP-08	M. Vithya vithya@gmail.com	Research Scholar	Muslim Arts college Thiruvithancode	750/-	
PP-09	C. Cynthia Wise Bell Cynthia@gmail.com	Research Scholar	N.M.CC. Marthandan	750/-	
PP-10	R.S. Sree priya 1974 Sreepriyass@gmail.com	Assistant Professor	Christian college, Kaltakada	750+250	
PP-10	Shubha S. Kumar	Assistant Professor	University college Thiruvananthapuram	750+250	
PP-11	J. Priscilla priscillamel.jp@gmail.com	Research Scholar	NMCC Marthandam	750	

S.No	Name & Email ID	Designation	Institution	Reg .Fee	Signature	Attendance
(Online) PP-12	G. Bagavathi Sanjiv bagavathig36@gmail.com	Asst. prof Research Scholar	St. John's College of Arts & Science Ammandivilan	750	G	✓
PP-13	Rakhi Sreedharan rakhinuvachal@gmail.com	Assistant Professor	School of Pure and Applied Physics, Ponnyanur Campus	1000/-	Rakhi	✓
PP-14	Sarath Ravi sarathravis@gmail.com	Assistant Professor	School of Pure and Applied Physics	1000/-	Sarath	
PP-15	H. Jayasekhar jjphy1982@gmail.com	Research scholar	S.T. Asandri College (Nayanar?)	750	H	—
Online PP-16	R. Nithya Agnes rcalvinsamuel@gmail.com	Asst. Prof	St. John's College Palayamkottai	1000	RNW	✓
PP-17	N. Suma Suma@gmail.com	Research Scholar	NMCC Marthandan	750	NS	
PP-18	J. Richards Joshua nskolnp@gmail.com	Research Scholar	Chikkai Nacker College, Erode	750/-	J.Rich	

S.No	Name + Email ID	Designation	Institution	Reg .Fee	Signature	Attendance
PP-19	Dr. S. Balakhandak balaphdssmv@gmail.com	Assistant Professor	Sri Ramakrishna Mission Vidyalaya College of Arts & Science	750		
PP-20	Dr. M. Sethusam mylsethu2003@gmail.com	Senior Assistant Professor	Dept. of Chemical Engineering Sethu Institute of Technology Vandhanagar.	1000		✓
PP-21	Dr. Dipunadasan dipunaabynraja@gmail.com	Assistant Professor	Dept. of physics Christian College Kattakada	1000		✓
PP-22	Dr. Sivakumar Radhakrishnan	Senior Assistant Professor	Dept. of Chemistry Sethu Institute of Technology Vandhanagar	1000		✓
PP-23	R. Gudwin clernymorekai@gmail.com	Research Scholar	Dept of Physics Muslim Arts College Thiruvithancode	750/-		
PP-24	K. Vini viniravidran24@gmail.com	Asst-Prof	Kannur University, Edat, P.O, Pappanamudi	1000/-		
PP-25	Anju. LS	Research Scholar	NMCC Marthandam	750 1000		

PP-20 Dr. S. Estha
Assistant
Professor
(Senior
Grade)
Dept. of Chemical Engineering
Sethu Institute of Technology
Vandhanagar. 1000 ✓

S.No	Name + Email ID	Designation	Institution	Reg. Fee	Signature	Attendance
PP-26	Dr. M.N. Audlise Jirsi.	Asst. Professor	st. Alphonsa college of arts & science	750		<input checked="" type="checkbox"/>
PP-27	J.R. Sheeba Sheeba@gmail.com	Asst. Professor	Muslim Arts College	1000/-		<input checked="" type="checkbox"/>
PP-28	T. Anitha anitha.reada@gmail.com	Asst. Professor	Muslim Arts W.C.C., Nagercoil	1000/-		<input checked="" type="checkbox"/>
PP-29	T. Alwin alwinchemistry@gmail.com	Asst. Professor	N.M.C.C., Marthandan	1000/-		<input checked="" type="checkbox"/>
PP-30	ATHIRA.F.M. athiravinazh92@gmail.com	Research Scholar	Kannur University.	750		<input checked="" type="checkbox"/>
PP-31	M. LATHA BEATRICE lathabeatrice@gmail.com	Associate Professor	Annai Velankanni College Tholayarattam	1000/-		<input checked="" type="checkbox"/>
PP-32	P.S. Angel Prabha jesoang@gmail.com	Reg.No:12341 Research scholar	W.C.C. Nagercoil	750 1000/-		<input checked="" type="checkbox"/>

PP-20 Bidhuss
bidhuss@gmail.com Research scholar

NMCC
Marthandan

750



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PP-36	T. Manju shunmugam.advocate@gmail.com	Research Scholar	Manonmaniam Sundaranar University, Tirunelveli	750/-	T. Manju	✓
PP-37	U. Rajesh Kannan rajeshphymsu@gmail.com	Full time Research Scholar	The M.D.T, Hindu College, Tirunelveli	750/-	U. Rajesh	✓
PP-38	C. Stella Rani stello1982rani@gmail.com	Research Scholar	St. John's College Tirunelveli	750/-	C. Stella Rani	✓
PP-39	P. Packiaselvi packiaselvip@gmail.com	Research Scholar	Manomaniam Sundaranar University - Tirunelveli	750/-	P. Packiaselvi	✓

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PP-40	G. ANUSHYA g.anushya1@gmail.com	Research Scholar	S. T. Hindu College Nagercoil - 2	750/-		-
PP-41	Gr. Edwin Sheela sheela.livingu@gmail.com	Assistant Professor	Muslim Arts College Thiruvithancode	1000/-		
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PP-43	S. Mimila mimila@gmail.com	Research Scholar	Muslim Arts College Thiruvithancode	750/-	Mimila	
PP-44	B. Renu Bright renu@gmail.com	M.Phil Scholar	Muslim Arts College Thiruvithancode	750		
PP-45	B. Queen Sheeba nathan.amelphysics@gmail.com	Research Scholar	Ethaya College of Arts and Science	750		
PP-46	S. Loice Bessy let lbessytr@gmail.com	Assistant professor of Physics Udaya college	Udaya college of Arts & Science vellamal	1000	S. L. Bessy let	

S.No	Name+Email ID	Designation	Institution	Reg .Fee	Signature	Attendance
PP-47	Dr. Meera. M. R meera.nair@mrt@gmail	Asst. Prof. of Physics,	Sree Ayyappa College for Women, Cherkazhakkal	1000/-	<u>Meera</u>	✓
PP-48	R. Sreedevi k7ipub195@gmail.com	Asst. Professor	Aditaran College of Arts and Science	1000/-	<u>Sreedevi</u>	—
PP-49	A. Rathika	Asst. Professor	Muslim Arts College Thiruvithancode	1000/-	<u>Rathika</u>	—
PP-50	A. Muthuraja	Asst. Professor	Theivanai Ammal College for Women, Villupuram	1000/-	<u>Muthu</u>	—
PP-51	R. SUBASH CHANDRA BOSE boseips@gmail.com	Research Scholar	The M.D.T. Hindu College, Tirunelveli-10.	750/-	<u>Subash</u>	✓
PP-52	K. Lilly Mary Eucharista lillymary@gmail.com	Research Scholar	S.T. Hindu College Nagercoil	750/-	<u>Lilly</u>	—
PP-53	C. Anbu Lakshmi Lakshmi@gmail.com	Research Scholar	M.D.T. Hindu College, Tirunelveli	750/-	<u>Anbu</u>	—

S.No	Name + Email ID	Designation	Institution	Reg .Fee	Signature	Attendance
PP-54	C. Dabora Vincy joseelinbeaul@yahoo.com	Research Scholar	Muslim Arts College	750/-		
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PP-57	P. Muthuraja Muthuraja@gmail.com	Research Scholar	Sri Ramakrishna Mission Vidyalaya College of Arts & Science	750/-		
PP-58	P. Divya divya12292@gmail.com	Research Scholar WCC	Women's christian college	750/-		
PP-59	G. Vasuki Vasuki. Suresh.5007ya@gmail.com	ST. Hindu College Research Scholar	St. Hindu College, Nagercoil	200		
PP-60	P. Muthuraja muthu@gmail.com	Research Scholar	Sri Ramakrishna Mission Vidyalaya College of Arts & Science	750/-		
PP-57	V.S. Jeba Reeda jebareeda.96@gmail.com	Research Scholar	Women's christian college	750/-		

Online
PP-61

S.No	Name & Email ID	Designation	Institution	Reg .Fee	Signature	Attendance
PP-61	Dr. T. Shanmugasundar vadivu.tsv@gmail.com	Assistant Professor	Faculty of Chemistry, Dept. of Science & Humanities	1000/-		
PP-62	A. Anny aanny2020@gmail.com	M. Phil Scholar	Nanjil Catholic College of Arts and Science Kaliyakkavilai	750/-	Anny	
PP-63	T. K. Jayakka gituniverse16@gmail.com	Assistant Professor	Pioneer Kumaraswamy College, Nagercoil.	1000/-	T.K.	
PP-64	J. Clemy Monica cjameshd@gmail.com	Assistant Professor	Muslim Arts College Thiruvithancode	1000/-		
PP-65	J. packiam Julius git universe 16@gmail.com	Assistant Professor	M. W. C. C Thiruvithancode	1000/-		

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Scholar
Nanjil Catholic College
of Arts and Science
Kaliyakkavilai
750/-

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ISTAM - 2018

29th September 2018

Registration for Poster Presentation (SPOT)



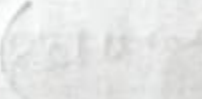
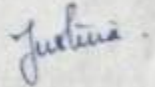
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54 PP-B	C. Dabara Vinay dabaravinay@gmail.com	Research Scholar	Women's Christian College, Nagercoil.	750/-	<u>Dabara Vinay</u>	
C ✓	R. Ganapathi Ramani ganapathiramani@gmail.com	Assistant Professr.	Department of Physics NCCM 201m Center for Higher Education, Kumbakonam	1000	<u>Ramani</u>	✓ Returned
PP-bb	M.B. Arthina Titlin arthinatitlin@gmail.com	M.Phil scholar	Holy Cross College, Nagercoil.	750/-	<u>Arthina</u>	
✓	Sarna V. K	Research Scholar	NMCC, Marthandam	750	<u>Sarna</u>	

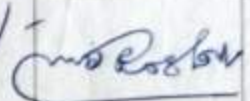
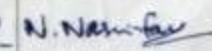
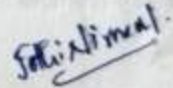
International Seminar on Technologically Advanced Materials

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Registration for Participants

S.No	Name & Email ID	Designation	Institution	Reg .Fee	Signature	Attendance
1	R. JEBA, jeba130382@gmail.com	Research scholar	Pioneer Kumaraswamy College	750/-		
2	PREEDA P, preedapraj@gmail.com	Research scholar	NR College, Kumaracoil.	750/-		
3	A. Moses Echil Raj. echilmoses@yahoo.co.in	Associate Professor.	Department of Physics, Scott Christian College Nagercoil.	2500/- 500/-		
4	P. Justina Angelin justinaangelin@gmail.com	Asst. Professor	St. John's college Palayamkottai	1000/-		✓
5	Dr. Darul Asir Abraham	Asst. Professor	St. John's college Palayamkottai	1000		✓

S.No	Name & Email ID	Designation	Institution	Reg. Fee	Signature	Attendance
6.	Dr. M. Mohamed Roshan roshan.shah@yahoo.com	Assistant Professor	Sadakathulla APPA College Rahmath Nagar, Tirunelveli 627011.	Rs. 1000/-		✓
7.	N. Nazrin Farzana nnazrinfarzan@gmail.com	Research Scholar	Sarah Tucker College, Tirunelveli.	Rs. 750/-		
8.	I. Jothi Nirmal jothinirmal96@gmail.com	Research Scholar (fiphi)	Nonjil Catholic College of Arts & Science, Kalinjaruvu	750/-		
9.						
10.						
11.						
12.						



MUSLIM ARTS COLLEGE

Affiliated to Manonmaniam Sundaranar University

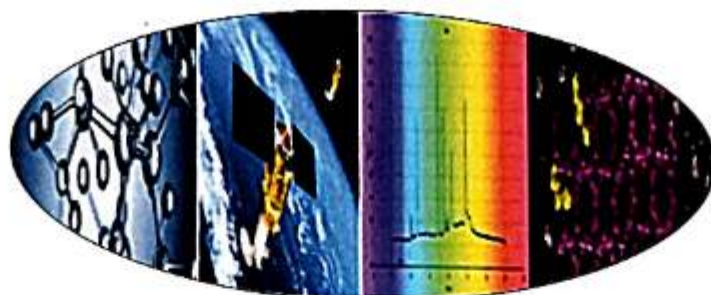
Thiruvithancode – 629174

Kanyakumari District, Tamil Nadu, India

International Seminar on Technologically Advanced Materials

29th September 2018

ISTAM-2018



ABSTRACTS

Organized by
Department of Physics & Research Centre
MAC, Thiruvithancode

In Association with
Indian Spectroscopy Society
Ghaziabad, New Delhi

CONTENTS

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