

From

Dr. S. Antony Dominic Christopher,
Head of the Department,
Department of Physics,
Nanjil Catholic College of Arts and Science,
Kaliyakkavilai.

To

Rev. Fr. Secretary,
Nanjil Catholic College of Arts and Science,
Kaliyakkavilai.

Through

The Principal,
Nanjil Catholic College of Arts and Science,
Kaliyakkavilai.

Respected Father,

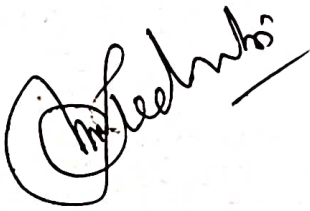
Subject:- (Requisition for getting permission to conduct International Conference)

Our Department of Physics has planned to conduct a one day National Conference on 25/03/2024. I kindly request you, grant permission to conduct the International Conference on the above said date. Also allow as use the Seminar hall 1 on the same day

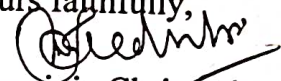
Thanking You,

Kaliyakkaviali,

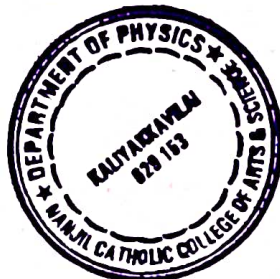
13/02/2024.



yours faithfully,



Dr. S. Antony Dominic Christopher



PRINCIPAL

Nanjil Catholic College of Arts & Science
Kaliyakkavilai - 629 153

About the Organizers:

The College

Nanjil Catholic College of Arts and Science, Kaliyakkavilai is the pride of the Diocese of Kuzhithurai, Kanyakumari District, established in the year 2012. The Patron of the college is Most. Rev. Dr. Albert Alexander, DD,STD, Bishop of Kuzhithurai Diocese. From a humble beginning, it has grown in leaps and bounds to stand tall today under the leadership of Rev.Fr. Dr.M. Eckermens Michael with a vision of providing exceptional educational and research opportunities. The college currently offers 10 undergraduate, 8 post-graduate courses and 5 Doctoral programmes. Creation of employment oriented skills is an additional goal. Other facilities and amenities available in the campus include a study centre of Indira Gandhi National Open University offering various Certificate, Diploma and Degree programmes Courses and MBA Twinning Programmes under Pondicherry University.

The Department

The Department of Physics excelled as the first research department of the College. We have a team of well experienced, dedicated and competent faculty. The department has well equipped laboratories with internet facility and smart class rooms to enrich the students with latest technologies. The facilities available in our research lab are Spin coater, Dip coater, UV-Visible Spectro photometer, LCR Meter, Microwave Ovens, Muffle furnaces, Hot plates, particle size analyser, Distillation plant, etc. We also encourage researchers from other institutions to utilize our research facilities.



International Conference on **ADVANCED MATERIALS**

(ICAM-2024)

March 25, 2024

Organized by

DEPARTMENT OF PHYSICS & RESEARCH CENTRE
Nanjil Catholic College of Arts & Science, Kaliyakkavilai - 629 153,
Re Accredited by NAAC with 'A' Grade
Kanyakumari District, Tamil Nadu, India. Tel: 04651-244788



FACULTY HEAD

Dr. S. Antony Dominic Christopher

Assistant Professor

CONVENOR

Dr. T. R. Jeena

Assistant Professor

ORGANIZING COMMITTEE

Dr. S.S. Bidhu, Assistant Professor

Mrs. V. Beena, Assistant Professor

Dr. P.M. Shajin Shinu, Assistant Professor

Mrs. A. Chitra, Lab Assistant,

Mrs. Anjana Babu, Lab Assistant

CONTACT DETAIL

Mobile: 9442552553

8015769772

Venue: Seminar Hall I



Patron

Most Rev. Dr. A Albert Anastas
Bishop of Kuzhithurai



President

Rev. Fr. Dr. M. Eckermens Michael
Secretary, NACCAS



Chairperson

Dr. M. Amalanathan
Principal, NACCAS

Objective of the Conference

*The conference is aimed at bringing together the scientific and technical community to share their knowledge in the recent trends on the processing, characterization and application of advanced materials.

*Eminent persons in various fields share their experience and knowledge with the participants, which in turn are expected to provide the participants a complete knowledge in the areas proposed in this conference and stimulate them to pursue quality research.

Call for papers

You are cordially invited to participate in the International Conference on Advanced Materials (ICAM-2024) on March 25, 2024. Postgraduate, M.Phil., and Ph.D. scholars and faculty members of Physics and Chemistry can participate. Papers are invited for presentation (oral or poster) related to different areas in Materials Science Research including the following:

- Crystal growth
- Thin films
- Nanomaterials
- Spectroscopy
- Nonlinear optical materials
- Organic materials
- Inorganic materials
- Theoretical Physics
- Astro Physics

Guidelines – Abstract/Paper submission

The authors are invited to submit their abstract and full paper in the following format on or before 16th March 2024 to nanjilphysics.icam2024@gmail.com.

Abstract	: 250 words(max)
Full Paper	: 5 Pages
Font Style	: Times New Roman
Font size	: 12
Line Spacing	: 1.5 pt.
Paper Size	: A4
Format	: MS Word

ORAL/POSTER PRESENTATION

Abstract and Full paper for oral/Poster presentation are invited from researchers in the prescribed format. All accepted papers will be published in the conference proceedings with ISBN number.

PARTICIPATION

Certificates will be provided only to the registered participants who attended all the sessions.

INVITED SPEAKERS



Dr. I. John Berlin
Assistant Professor,
Department of Physics,
Mar Thoma College,
Tiruvalla, Kerala



Dr. P. Thillai Arasu
Professor, Wollega University,
Ethiopia



Dr. X. Sahaya Shajan
Professor & Director,
Gregorian Institute of
Technology, Kangazha,
Kottayam, Kerala

REGISTRATION FEE :

UG Students : Rs.400/-

PG Students : Rs. 600/-

M.Phil. Scholars : Rs. 700/-

Research Scholars & Faculty Members : Rs. 800/-

Registration Fee has to be paid through Google Pay. M.Sc. and M.Phil. students should get bonafide from their institution.

G Pay: 9442552553

Spot Registration can be done for participation only.

REGISTRATION LINK

<https://forms.gle/kgRQFjNjY3s14nVXA>

DATES TO REMEMBER

Abstract Submission : 16.03.2024

Date of Confirmation : 18.03.2024

Last Date for Registration : 20.03.2024



International Conference
on
ADVANCED MATERIALS
(ICAM – 2024)
March 25, 2024

Department of Physics & Research Centre
Nanjil Catholic College of Arts & Science, Kaliyakkavilai

PROGRAMME SCHEDULE

8.00 am to 9.00 am	-	<i>Registration</i>
9.00 am to 9.30 am	-	<i>Inaugural Session</i>
Tamil Thai Vazhthu	:	Department Choir
Welcome Address	:	Dr. S. Antony Dominic Christopher HoD, Department of Physics, NACCAS
Lighting the Lamp		
Presidential Address	:	Rev.Fr. Dr.M.Eckermens Michael, Secretary, NACCAS
Inaugural Address	:	Dr.M. Amalanathan, Principal, NACCAS
Releasing the Conference Proceeding NACCAS	:	Rev.Fr. Dr.M. Eckermens Michael, Secretary,
9.30 am to 12.30pm	-	<i>Technical Session</i>
Introducing the Chief guest	:	Dr. P.M. Shajin Shimu, Asst. Prof., Dept. of Physics, NACCAS
Invited Talk 1	:	Dr. I. JOHN BERLIN, Assistant Professor, Department of Physics, Mar Thoma College, Thiruvalla, Kerala.
<i>Tea Break</i>		
Introducing the Chief guest	:	Mrs. V. Beena., Asst. Prof., Dept. of Physics, NACCAS
Invited Talk 2	:	Dr. P. SUMITHRAJ PREMKUMAR Assistant Professor, Department of Physics, St. John's College, Palayamkottai.

Introducing the Chief guest : Dr.Bidhu. S. S Asst. Prof., Dept. of Physics, NACCAS

Invited Talk 3 : **Dr.P. THILLAI ARASU**
Professor, Wollega University,
Ethiopia

12.30 pm to 1.15pm - ***Lunch Break***

1.15 pm onwards - ***Presentation Session***
Oral & Poster presentation

3 pm - ***Tea Break***

3.15 pm to 4pm - ***Valedictory Session***

Valedictory Address : Rev. Fr. A. DomiLilil Raja, Bursar, NACCAS

Distribution of Certificates : Rev. Fr. A. DomiLilil Raja, Bursar, NACCAS

Vote of Thanks : Dr.T.R.Jeena, Asst. Prof. ,Dept. of Physics, NACCAS

National Anthem

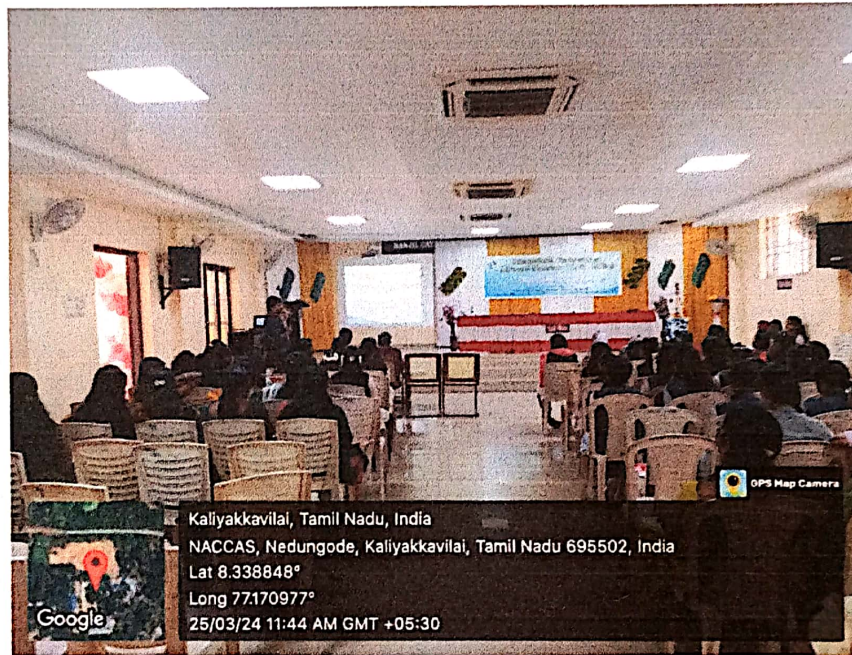
Report on
INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS
ICAM-2024

An international conference on 'Advanced Materials' was organized by the Department of Physics & Research Centre on the 25th of March, 2024 for academicians and researchers of the higher education fraternity. Researchers submitted their original and unpublished papers concerning the broad theme of the conference addressing their papers to specific sub-themes. Approximately 45 papers were submitted and presented in this conference.

The conference commenced at 09:30 a.m. with Tamil Thai Vazhthu by the department choir followed by a welcoming address by the head of the department Dr. S. Antony Dominic Christopher. The inaugural session started with lighting of the lamp by all the delegates in the dais and two student representatives. The felicitation ceremony then ensued by inaugural address given by Dr. M. Amalanathan, the Principal of NACCAS and concluded with the formal release of the conference proceedings by the eminent academicians who had graced the occasion.



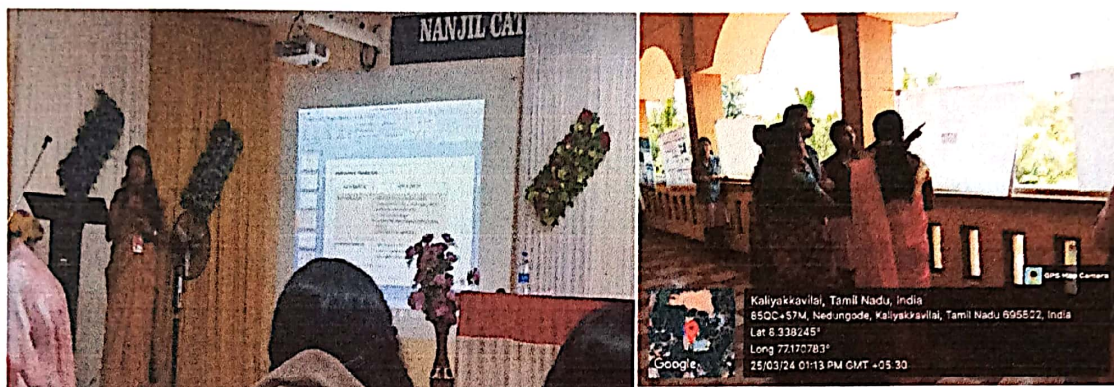
The first technical session started by the introduction of the speaker Dr. I. John Berlin, Assistant Professor of Physics, Mar Thoma College, Thiruvalla. He was introduced by Dr. P.M. Shajin Shinu, Assistant Professor of Physics, NACCAS. The session was about 'Spintronics' which is considered as one of the most important emerging research areas with an immense potential to provide high speed, low power and high density logic and memory electronic devices.



Post a brief tea break, the next speaker Dr. P. Thillai Arasu, Professor in Wollega University, Ethiopia was introduced by Dr. S.S Bidhu, Assistant Professor of Physics, NACCAS. He handled the session online through Google Meet platform. His talk on 'Composite Materials' exceeded the expectations of all the participants and it gave a new insight about composite materials to them.



This was followed by the paper presentations that were conducted in two parallel tracks. The first track on oral presentations was chaired by the invited speakers Dr. I. John Berlin and Dr. P. Sumithraj Premkumar. Simultaneously, poster presentations were judged by Dr. Priya Rajini and Dr. Mary Sheeba, Assistant Professors of Chemistry, NACCAS.



After lunch, the third invited speaker Dr. P. Sumithraj Premkumar, Assistant Professor of Physics, St.John's College, Palayamkottai was introduced by Mrs. V. Beena, Professor of Physics, NACCAS. The session was about 'Metal Oxide Nanoparticles- A promising materials for the Supercapacitor Applications'. He explained in a very interesting manner about effectiveness of Electrochemical Energy Storage over conventional storage solutions.



It was followed by the valedictory session in which the award ceremony was conducted where Dr. P. Sumithraj Premkumar awarded certificates and mementos to the best paper presentations from each tracks. Also, certificates were provided for other paper presenters and participants.

The conference concluded with a vote of thanks by Dr. T.R. Jeena, Assistant Professor of Physics, NACCAS followed by national anthem.



Signature



Head
Department of Physics,
Nanjil Catholic College of Arts & Science
Kaliyakkavilai - 629 153, Tamil Nadu



PRINCIPAL
Nanjil Catholic College of Arts & Science
Kaliyakkavilai - 629 153.

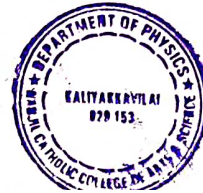
NANJIL CATHOLIC COLLEGE OF ARTS & SCIENCE, KALIYAKKAVILAI

DEPARTMENT OF PHYSICS

INTERNATIONAL CONFERENCE ON ADVANCED MATERIAS (March 25, ICAM-2024)

Sl.No	Name	Designation	Name of the Institution	Amount Paid	Mode of Presentation	Email Id	Signature
1	Ms. Jebanisha B	Research scholar	Noorul Islam centre for Higher education	800/- 401923698443	Oral	jebanisho81@gmail.com	Jeba
2	Ms. Benifa . A	Research Scholar	Rani Anna Govt. College for Women, Tirunelveli.	800/-	Oral	benifa1998@gmail.com	A. Benifa
3.	V. SINDHU. M	Asst. Professor	St. Xavier's Catholic College of Engineering	800/-	Participation	sindhu@sxccce.edu.in	M. Sindh
4.	P. VASANTHA PRABHA	Research Scholar	St. Xavier's Catholic College of Engineering	800/-	Participation	Prathakody 1988@gmail.com	P.V. Prabha
5.	Dr. G. Meena	Asst prof	S.T. Hindu College	800/-	poster	meenaisheena@gmail.com	G. Meena

Handwritten note:
17/03/24



Handwritten signature: D.S. ANTON DOMINIC CHRISTOPHER
 Head of The Department of Physics and Science
 Nanjil Catholic College of Arts & Science
 Kaliyakkavilai, K.K. Dist., Tamil Nadu, Pin - 629 153

6	R. Venkatasubshmi	Student	S.T. Hindu college	600/-	Poster Participation	hariniram29834@gmail.com	R. Venkatasubshmi
7	M. Asha priya dharshini	student	S.T. Hindu college	600/-	poster	Vasalashast7@gmail.com	M. Asha priya
8	F. Deepana	student	S.T. Hindu college	600/-	Poster	deepana2402@gmail.com	F. Deepana
9	M. Durga	student	S.T. Hindu college	600/-	Poster	durgakumaran001@gmail.com	M. Durga
10	S. Parthiba Lakshmi	student	S.T. Hindu college	600/-	Poster	straja728@gmail.com	S. Parthiba Lakshmi
11	J.M. Jini	student	S.T. Hindu college	600/-	Poster	jini24701@gmail.com	J.M. Jini
12	Chinhu. Y.M	Research Scholar	Scott Christian College, Nagercoil	800/- 44510837 8811	Oral	chinhu.kayalaz@gmail.com	Chinhu Y.M
13	A. Anbumani	Research Scholar	Women's Christian college, Nagercoil	800/-	Oral	israe.anbu@gmail.com	A. Anbumani




DR. S. ANTONY DOMINIC CHRISTOPHER
 M.Sc., D.Phil., Ph.D. (Phys.), Ph.D. (Edn.), PGDCA, Ph.D.
 Head of The Department of Physics
 Nanjil Catholic College of Arts & Science
 Kaltyakavilai, K.K. Dist, Tamilnadu, Pin-629 153.

14.	Sundarajay	Research Student	Nanjil Catholic College of Arts and Science	800	Oral	Sundarasupriya@gmail.com	S. Sundarajay
15.	V. Geetha	Research Scholar	Muslim Arts College, Thiruvithankode 407922746647	800	Oral	vejisrajai@gmail.com	V. Geetha
16.	L. Derisha	Research Scholar	Nesamony Memorial Christian College, Marthandam	800	Oral	derishaderishs2000@gmail.com	L. Derisha
17.	Dr. L. Jayasulvan Asst. Prof. Vivekananda College	Professors	Vivekananda College	800	Poster	jjphy1982@gmail.com	Dr. L. Jayasulvan
18.	Dr. T. S. Jayanthi Head, Associate Prof.	Associate Professor	Vivekananda College, Agasteeswaram	800	Poster	jayajeeva555@gmail.com	T. S. Jayanthi
19.	Ms. SAHAYA ROSE AJITHA	AP	Nanjil Catholic College	400	Participation	ajitharumi10@gmail.com	Ms. Sahaya Rose Ajitha
20.	J.S. ANGEL MARY JANE	Research Scholar	Nanjil Catholic College of Arts and Science	400	Participation	jsangelmaryjane@gmail.com	J.S. Angel Mary Jane



Dr. S. Antony Dominic Christopher

Dr. S. ANTONY DOMINIC CHRISTOPHER
 M.Sc., M.Ed., M.Phil (Phy), M.Phil (Edn), PGDCA, Ph.D.
 Head of The Department of Physics
 Nanjil Catholic College of Arts And Science
 Kalyankavilal, K.K. Dist, Tamilnadu, Pin- 629 153

NANJIL CATHOLIC COLLEGE OF ARTS AND SCIENCE

(Approved by the Government of Tamil Nadu (G.O. 150 dated 26-07-2012) and
Affiliated to Manonmaniam Sundaranar University, Tirunelveli)



Kaliyakkavilai-629153, Kanyakumari District, Tamilnadu.

Phone: 04651-244788; Mob: 9442552553

Email: nanjilphysics.icam2024@gmail.com

CONFERENCE FEEDBACK FORM

Program Name : **International Conference on Advanced Materials**

Venue : **Seminar Hall - I**

Resource Person : **Dr. I. John Berlin, Dr. P. Thillai Arasu, Dr.P Sumithraj Premkumar**

Participant Name : *Chinchi, Y. N. I.*

INSTRUCTIONS

Please circle your response to the items. Rate aspects of the conference on a 1 to 5 scale:

1 = Strongly Disagree

2 = Disagree

3 = Neither Agree nor Disagree

4 = Agree

5 = Strongly Agree

1. How do you rate the presentation quality?

1 2 3 **(4)** 5

2. Did the Speakers appear well prepared?

1 2 3 4 **(5)**

3. How well did the presentation help you in understanding the topic?

4. Over all, how was the quality of the program? *good*

5. Organisation of the event (registration, helpdesks, logistics) *good*

Suggestions if any

It was good sessions and presentation

Thank You for your valuable time



NANJIL CATHOLIC COLLEGE OF ARTS AND SCIENCE

Kaliyakkavilai

[Approved by government of Tamil Nadu
Affiliated to Manonmaniam Sundaranar University, Tirunelveli
Re-accredited by NAAC WITH 'A' GRADE CGPA 3.24,
Approved by UGC under 2 (f) & 2(b)]

ICAM-2024

INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS



CERTIFICATE

This is to certify that

Dr. Rajesh, Lecturer, Government Polytechnic College Thoothukudi.

has been presented the paper (Oral/Poster) entitled
*Growth and FTIR characterization of Pure And
L- Threonine Doped Single Crystal.*

at the International Conference on Advanced Materials
(ICAM-2024) organized by the P.G Department of
Physics & Research Centre, Nanjil Catholic College of
Arts and Science, Kaliyakkavilai on March 25, 2024

Rev. Fr. Dr. M. Eckermens Michael
Secretary

Dr. M. Amalanathan
Principal

Dr. S. Antony Dominic Christopher
Head of the Department

Dr. T. R. Jeena
Convenor