



# **WAVOO WAJEEHA WOMEN'S COLLEGE**

**OF ARTS AND SCIENCE, KAYALPATNAM**  
(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

**Run by Wavoo SAR Educational Trust**

**(Minority Institution)**



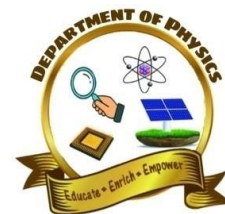
## **DEPARTMENT OF PHYSICS**

### **ASSOCIATION REPORT**

**(2022-2023)**



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## DEPARTMENT OF PHYSICS

### Vision

Enabling the students to ensure their full potential

### Mission

- To inculcate problem solving skills for the application and empowering the students to become an independent thinker through innovative teaching.
- To impart quality education in acquiring conceptual understanding of Physics and enabling the power of Physics to the foremost scientific problems.
- To promote the public understanding of Physics by educating the next generation.
- To transform the young minds to competent professionals with good human values.

### Faculty Members

1. **Mrs. S.Pushpa** M.Sc., B.Ed.,M.Phil.,SET
2. **Ms.A. Jai Nirmala** M.Sc., M.Phil.,B.Ed.,SET
3. **Dr.S.Usharani** M.Sc., M.Phil.,Ph.D.,
4. **Dr. R. Mariyal Jebasty** M.Sc., M.Phil., Ph.D.,
5. **Mrs.S.Jessie Jancyrani** M.Sc., M.Phil.,



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## INAUGURATION AND A GUEST LECTURE

On behalf of Physics Department, **Ibn al-Haytham Association** was inaugurated for the academic year 2022-2023 on 17.10.2022. The activities of Physics Association started with the guest lecture on “Crystals and Nanomaterials” given by Dr. P Selvarajan, M.Sc, Ph.D, Associate Professor, Department of Physics, Aditanar College of Arts and Science, Tiruchendur.



Figure 1 Guest Lecture on Crystals and Nano Materials

## INTERNATIONAL CONFERENCE

In today's fast changing world, attending a conference has become a "must" to survive in an academic discipline. For students and researchers, academic conferences help to make research on a particular subject easier. They provide access to various research activities related to a particular subject with current findings and developments anticipated from them. In this regard, an **International Conference on Functional Materials** was organized by the Department of Physics on **28.02.2023**. Resource Person **Dr.Loknath Patra, Postdoctoral Scholar, University of California, Santa Barbara USA** gave an informative talk on **"Mechanical Properties of 2D materials"**. Followed this detailed visualized explanation of **"Advances in Space Science and Technology"** was delivered by **Dr. R.S.Kannu, Senior Scientist (Retd), Indian Space Research Organisation (ISRO)**. In this conference, research scholars, faculties and students from various colleges were permitted to present their research work on functional materials in the form of oral and poster presentation.



Figure 5 International Conference on Functional Materials- (ICFM-23)





Figure 6 Chief Guest issued the Certificates to the participants on ICFM-23

## ASSOCIATION ACTIVITIES

Moreover Physics department association activities are scheduled on every Saturdays. In connection with this **Extempore on science topics** was conducted on 18.02.2023. The students' active participation and their performance were evaluated by Ms. A.Jai Nirmala, Assistant Professor of Physics and Mrs. Amutha, Assistant Professor of Chemistry. The objective of the competition was to make the students confident and better orators so that they can fearlessly express their views on any topic. Extempore is an excellent way to assist the students not only in spontaneous thinking but also in asserting their creative ideas with precision.

In addition to this association meeting was held on **25.02.2023**. In this meeting students gave **Interesting facts about Science** and conducted **Science Riddles**.

## EXTEMPORE COMPETITION

The Department of Physics organized an Extempore Competition at II Physics Classroom on 18.02.2023, as a part of Association activity. The Competition aimed to unearth the hidden talent of students and enabling them to represent their own ideas and thoughts. Ms.A.Jai Nirmala, Assistant Professor, Department of Physics and Mrs. T.Amutha, Assistant Professor, Department of Chemistry acted as Judges for this Competition. Winners of the Competition were

Name	Class	Place
S A K Noor Aysha	II BSc Physics	I
Rasul Sabana	I BSc Physics	II
Fathima Thasleema	II BSc Physics	III

## COMPETITION-POSTER PRESENTATION

The Department of Physics organized Poster Presentation Competition on Functional Materials at Physics Laboratory on 03.05.2023, as a part of Association activity. The Competition aimed to help students showcase their poster making skills and their ability to present their respective posters. Dr.S. Krishnaveni, Assistant Professor and Head, Department of English acted as Judge for this Competition. Winners of the Competition were

Name	Class	Place
L.Suguna	I BSc Physics	I
S A K Noor Aysha	II BSc Physics	II
B Sithi Siba	II BSc Physics	III

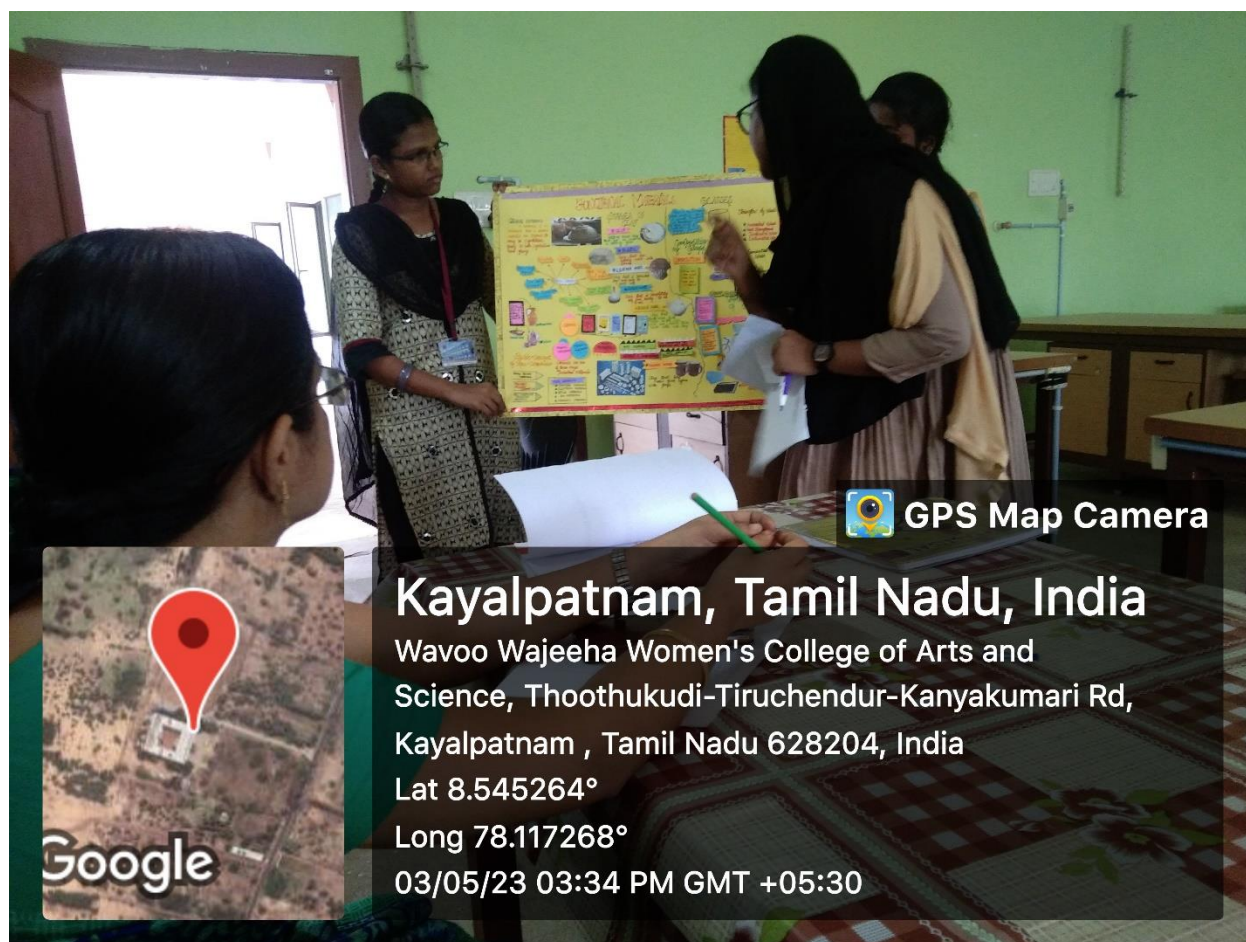


Figure 7 Poster Presentation Competition on Functional Materials



**CIRCULAR**  
**DEPARTMENT OF PHYSICS**

Ref: C-Students/October 2022

We are glad to inform you that our department has planned to organize Ibn-al-Haytham Association Inauguration and a guest lecture at ICT hall on 17.10.2022. All are cordially invited.

**Chief Guest:**

Dr.P.Selvarajan M.SC., Ph.D

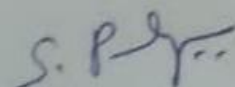
Associate Professor

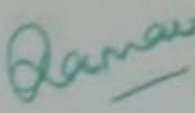
Aditanar College of Arts and Science

Tiruchendur

**Topic:**

Crystals and Nanomaterials

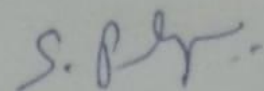
  
Convenor

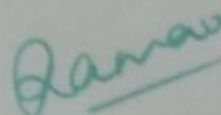
  
Principal

**CIRCULAR**  
**DEPARTMENT OF PHYSICS**

Ref: C-Students/February 2023

We are glad to inform you that our department has planned to conduct an Extempore Competition for our department students at II-Physics Classroom on 18.2.2023. All are cordially invited.

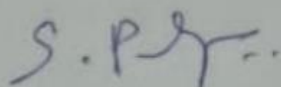
  
Convenor

  
Principal

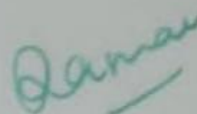
**CIRCULAR**  
**DEPARTMENT OF PHYSICS**

Ref: C-Students/February 2023

We are glad to inform you that our department has planned to conduct a Competition on Science Facts and Riddles for our department students at II-Physics Classroom on 25.2.2023. All are cordially invited.



Convenor



Principal

**CIRCULAR**  
**DEPARTMENT OF PHYSICS**

Ref: C-Students/February 2023

We are glad to inform you that our department has planned to organize one day **International Conference on Functional Materials** at ICT hall on 28.02.2023. All are cordially invited.

**Resource Person 1:**

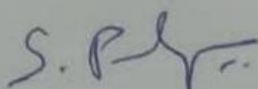
Dr.Loknath Patra  
Post Doctoral Scholar  
University of California  
Santa Barbara, USA

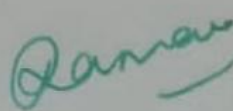
**Topic:** Mechanical Properties of 2D materials

**Resource Person 2:**

Dr.R.S.Kannu  
Senior Scientist (Retd), ISRO

**Topic:** Advances in Space Science & Technology

  
Convenor

  
Principal





WAVOO WAJEEHA WOMEN'S COLLEGE OF  
ARTS & SCIENCE - KAYALPATNAM

Run by Wavoo SAR Educational Trust



## International Conference On Functional Materials (ICFM'23)

**Keynote Speaker 1**

**Keynote Speaker 2**



**DR LOKANATH PATRA**

Post Doctoral Scholar

Department of Mechanical Engineering  
University of California Santa Barbara  
Santa Barbara, California USA-93106



**DR. R.S. KANNU**

Senior Scientist (Retd)

Indian Space Research Organisation (ISRO)  
Mahendragiri, Tamilnadu, India

**Date: 28.02.2023**

Session I Time: 10.15 - 11.15 A.M

Mechanical Properties of 2D Materials

Session II Time: 11.30 - 12.30 P.M

Advances in Space Science and Technology

**For Registration**

Follow the Link

<https://forms.gle/YizjgdE4VGnEtSP76>

or

**For Registration**



**Scan the QR Code**

**Organized by**

Department of Physics

Wavoo Wajeeha Women's College of Arts and Science, Kayalpatnam

Website: [www.wavoowajeehacollege.com](http://www.wavoowajeehacollege.com)

Phone No: 04639-280900, 281500

[physics@wavoowajeehacollege.in](mailto:physics@wavoowajeehacollege.in)

### ORGANIZING COMMITTEE

#### CHIEF PATRON

Alhaj Wavoo S. Sayed Abdur Rahman,

Founder- President

#### CO-PATRONS

Hajl. Wavoo M. M. Mohuthazeem B.A., (CS),

Secretary

Hajl Hafiz Wavoo S. A. R. Ahmed Ishaque Aalim

M.A Azhari (Egypt)

Asst. Secretary

#### CHAIR PERSON

Dr. Mrs. V. Rama M. Sc., M. Phil., Ph. D., Principal

Dr. Mercy Henry M.A., Ph.D., Director

Dr. Mrs. R. C. Vasuki M. A., Ph. D., DGT., Director

#### CONVENOR

Mrs. S. Pushpa M.Sc., M.Phil., SET

Assistant Professor & Head

#### ORGANIZING SECRETARY

Dr. R. Mariyal Jebasty M.Sc., M.Phil., Ph. D.,

Assistant Professor of Physics

#### ORGANIZING MEMBERS

Miss. A. Jal Nirmala M.Sc., M.Phil., SET

Dr. S. Usharani M.Sc., M.Phil., Ph.D.,

Mrs. S. Jessie Jancyrani M.Sc., M.Phil.,

Mrs. T. Amutha M.Sc., M.Phil.,

### INTERNATIONAL CONFERENCE ON FUNCTIONAL MATERIALS (ICFM-23)

#### Registration form

Name:

Designation:

Office Address:

Address for Communication:

Mobile :

E-mail :

Paper presentation:

(Yes/No)

If Yes, Title

Signature of the Applicant:

#### For Further details contact

Mrs. S. Pushpa

Head, Department of Physics

8508438911, 8610669388

physics@wavooajeehacollege.in

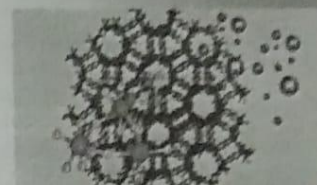
### WAVOO WAJEEHA WOMEN'S COLLEGE



OF ARTS AND SCIENCE  
KAYALPATNAM-628254  
TIRUOTTINELAI DISTRICT, TAMIL NADU



Run by: WAVOO SAR EDUCATIONAL TRUST  
(Minority Institution)



### INTERNATIONAL CONFERENCE ON FUNCTIONAL MATERIALS (ICFM-23) 28-02-2023, Tuesday

ORGANIZED BY

DEPARTMENT OF PHYSICS

Email: physics@wavooajeehacollege.in



Website: www.wavooajeehacollege.com  
Phone: 04639-280900, 281500



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## INTERNATIONAL CONFERENCE ON FUNCTIONAL MATERIALS (ICFM-23)

### Programme Schedule

#### Inaugural session

Date: 28.02.2023

Time: 9.30 A.M.

- Quirath : M.A.K.B.Mohamed Fathima III B.SC., CS
- Tamil Thai Vazhthu
- Welcome Address : Mrs. S. Pushpa M.Sc., M.Phil., SET  
Head, Department of Physics
- Honouring the Chief Guest : Alhaj Wavoo S.Sayed Abdur Rahman  
Founder – President
- In the presence of : Wavoo W.M.M. Mohuthazeem B.A.,(CS)  
Secretary  
Haji Hafiz Wavoo S.A.R. Ahmed Ishaque Aalim,  
M.A.,Azhar (Egypt)  
Assistant Secretary
- Presidential Address : Wavoo W.M.M. Mohuthazeem B.A.,(CS)  
Secretary
- Inaugural Address : DR. V Rama., MSc., MPhil., PhD.,  
Principal
- Technical Session I
  - Introducing the Resource Person : Dr. S. Usharani
  - Resource Person : Dr. Lokanath Patra, Postdoctoral Scholar, USA
  - Topic : Mechanical Properties of 2D Materials
- Tea Break
- Technical Session II
  - Introducing the Resource Person : Mrs. S. Jessie Jancyrani
  - Resource Person : Dr.R.S. Kannu , Senior Scientist (Retd.), ISRO
  - Topic : Advances in Space Science and Technology
- Lunch Break
- Oral/Poster Presentation



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## INTERNATIONAL CONFERENCE ON FUNCTIONAL MATERIALS (ICFM-23)

### Programme Schedule

#### Valedictory session

Date: 28.2.2023

Time: 2.30 P.M.

- Welcome Address : Miss. A. Jai Nirmala M.Sc., M.Phil., SET  
Assistant professor of Physics
- In the presence of : Alhaj Wavoo S. Seyed Abdur Rahman  
Founder – President  
Wavoo W. M. M. Mohuthazeem B.A.,(CS)  
Secretary  
Haji Hafiz Wavoo S.A.R. Ahmed Ishaque Aalim,  
M.A.,Azhari (Egypt)  
Assistant Secretary
- Valedictory Address : DR. V. Rama., MSc., MPhil., PhD.,  
Principal
- Feedback by Participants
- Certificate Distribution
- Vote of Thanks : Dr. R. Mariyal Jebasty M.Sc., M.Phil., Ph.D.,
- Duah
- National Anthem

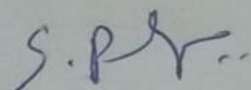
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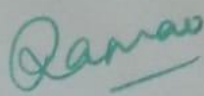


**CIRCULAR**  
**DEPARTMENT OF PHYSICS**

Ref: C-Students/May 2023

We are glad to inform you that our department has planned to conduct Poster Presentation Competition on "Functional Materials" for our department students at Physics Laboratory on 03.05.2023. All are cordially invited.

  
Convenor

  
Principal