



A.P.C. Mahalaxmi College for Women, Thoothukudi
Department of Physics (U.A)

SEMINARS/CONFERENCES/WORKSHOPS
(2018-2023)

Contents:

ONE DAY WORKSHOP ON YOUTH SKILL DEVELOPMENT-----	2
TWO DAYS INTERNATIONAL CONFERENCE ON RECENT TRENDS IN MULTI DISCIPLINARY RESEARCH (ICRTMDR 2020) -----	3
WEBINAR ON PSYCHOLOGICAL ENRICHMENT AND HUMANITY-----	4
WEBINAR ON SPECTROSCOPIC IDENTIFICATION OF MATERIALS-----	5
WEBINAR ON SURFACE OZONE AIR POLLUTION AND ITS IMPACTS ON THE ENVIRONMENT-----	6
WEBINAR ON DATING GEO-ARCHAEOLOGICAL MATERIALS USING LUMINESCENCE-----	7
VIRTUAL TWO DAYS INTERNATIONAL CONFERENCE ON “RECENT TRENDS IN MULTI DISCIPLINARY RESEARCH” (ICRTMDR 2021) -----	8
INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND ENGINEERING (ICASE-2022) -----	9
TANSICHE SPONSORED ONE DAY STATE LEVEL SEMINAR ON RECENT TRENDS IN MATERIALSCIENCES (Grant- in -Aid of Rs.10, 000/-) -----	10
ONE DAY WORKSHOP ON SCIENTIFIC ASPECTS OF GADGETS IN SCIENTIFIC EXHIBITION-----	11
ONE DAY WORKSHOP ON INNOVATIONS IN ENERGY CONSERVATION FOR SUSTAINABLE FUTURE-----	12
NATIONAL SEMINAR ON RECENT TRENDS IN PHYSICAL SCIENCES-----	13
WORKSHOP ON A STATUS OF WOMEN IN ASTRONOMY: A NEED FOR ADVANCING INCLUSIVITY & EQUAL OPPORTUNITIES-----	14

2019-2020:

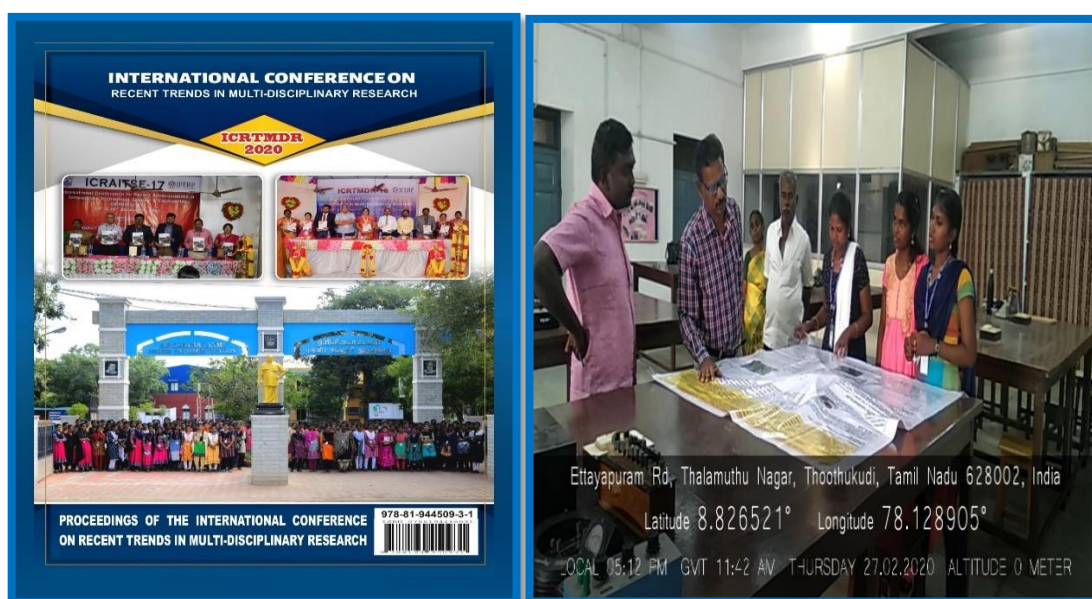
ONE DAY WORKSHOP ON “YOUTH SKILL DEVELOPMENT”

One day Workshop on the topic “Youth Skill Development” on 27.08.2019 at 9.30 A.M. of the academic year 2019-2020. The Venue of the meeting was New Seminar Hall and Conference Hall of APCM Campus. Mrs. Roselin Mary & Mrs. Wahitha Favas, Life Skill Trainers of Junior Chamber International, Thoothukudi were the resource persons for this program. In their talk, the topics like Importance of Technical skills, Soft Skills, Building Leadership Qualities and Decision-Making abilities are discussed. 138 participants are benefitted by this program.



TWO DAYS INTERNATIONAL CONFERENCE ON “RECENT TRENDS IN MULTI-DISCIPLINARY RESEARCH” (ICRTMDR 2020)

International Conference on Recent Trends in Multi-Disciplinary Research (ICRTMDR 2020) was organized by the department on 27.02.2020 & 28.02.2020 in collaborative manner. Dr. Narayanaswamy, Associate Professor of Physics, Kamaraj College, Thoothukudi and Dr. P. Sumithraj Premkumar, Assistant Professor of Physics, St. Johns College, Palayamkottai were acted as session chair for physics presentation sessions. The presenters explained their topics through the Oral and Poster presentations in an attractive manner.



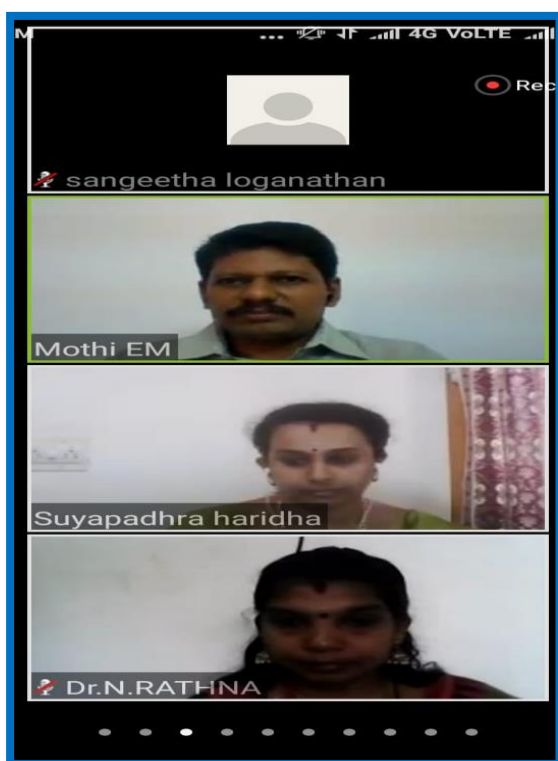
WEBINAR ON “PSYCHOLOGICAL ENRICHMENT AND HUMANITY”

Online webinar on the topic “Psychological Enrichment and Humanity” was organized by the department on 17.05.2020 at 10.00 A.M. of the academic year 2019-2020. The Platform of the meeting was Zoom. Arulnithi. P. Muthiah, Temple of Consciousness, Thoothukudi was invited as the speaker of the program. He delivered the concepts like Mental Health, Physical Health and its importance through interactive sessions and discussions. 216 participants are benefitted by this program. The program provides the participants be more mindful of mental health behaviour and the factor influencing individual and group dynamic and imparted the psychological knowledge to enhance the understanding of human nature, empathy, relationships and social dynamics.



WEBINAR ON “SPECTROSCOPIC IDENTIFICATION OF MATERIALS”

An online webinar was organized by the department through Zoom Platform on the topic “Spectroscopic Identification of Materials” on 09.07.2020 to 10.00 A.M. Dr.E.M.Mothi, Associate Professor of Chemistry, P.S.N.College of Engineering and Technology, Tirunelveli was acted as a resource person. He delivered a talk on the Spectroscopic identification tool which was used for analyzing and identifying the composition and structure of various materials. He also explained the interaction between electromagnetic radiation and matter, providing information about the molecular composition, structure, and chemical environment of the material. Also different types of spectroscopy and its advantages are discussed in the webinar. 252 participants were benefitted by the program



A.P.C. Mahalaxmi College for Women
Recognized by NAAC with 'B' grade
Thoothukudi - 62002

DEPARTMENT OF PHYSICS
the teaching people

7138-1A, Chery Nagar
Sankarapett Post, Tirunelveli - 627007.
Website: www.apcaw.ac.in
E-Mail: admin.apcaw@gmail.com
Youtube: www.youtube.com/EduSaxX

Science Talk: E-Lecture Series
Series Three: Spectroscopic Identification of Materials **9th July, 2020 | 10 to 11 a.m.**

Spectroscopic techniques employ light to interact with matter and thus probe certain features of a sample to learn about its consistency or structure. Light is electromagnetic radiation, a phenomenon exhibiting different energies and dependent on that energy, different molecular features can be probed. Spectroscopic techniques are very important in the characterization of materials.

About e-Lecture
This interdisciplinary e-lecture is organized with an aim to provide scientific information on various spectroscopic techniques used for characterization of materials.

PATRONS
Mrs. A. P. C. V. Chockalingam
President
Dr. N. Manrakumar
Principal
Dr. K. Sathy Bandu
Director
CONVENOR
Mrs. K. Jaya Padma Hantha
Head of Physics
ORGANIZER
Mrs. D. Rathevi
Assistant Professor
PROGRAMME COORDINATOR
Mrs. S. Subhi
Assistant Professor

Platform:

Registration must be done online.
No Registration Fee.

About Us
A. P. C. Mahalaxmi College for Women, Thoothukudi was established by its Founder President, a well known philanthropist, and freedom fighter, Kulpapathy Sri A. P. C. Venkatasubramanian in 1973. The Department of Physics was established in the year 2003. There are 9 faculty members in the department. The department is committed to provide quality education in Physics that will make the students excel in the competencies and values required for leadership to serve a happy, growing, global community. The department offers an Arts in Course in C Programming language, Adobe Photoshop, to enhance the technical skills of the students.
EduSaxX is an academic forum established in the year 2019 with an aim of providing science education for school children in the form of videos, interactive discussions with eminent scientists and academicians who will inspire the youngsters for lifelong learning of science.
The forum also aims to provide support and guidance for science students at college level to take up research. To motivate their contributions, contests are organized with eminent scientists of our country and abroad as speakers.
We dedicate ourselves in our vision and carry forward the mission of promoting science at all levels.

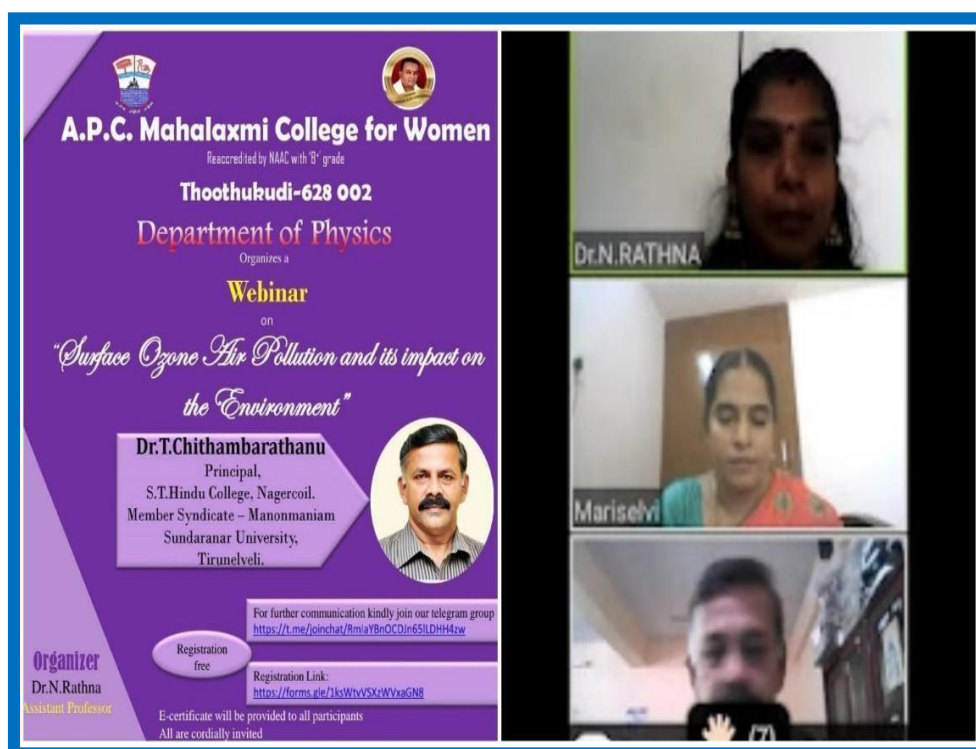
Speaker
Dr. E. M. Mothi
Associate Professor
Centre for Scientific and Applied Research
PSN College of Engineering and Technology (Autonomous)
Tirunelveli - 627152.

Desktop / Laptop / Smartphone with reasonable good internet connection is required for attending the E-Lecture.
Mode of delivery will be informed to the selected participants.
E-Certificate will be issued to all the active participants.

Registration weblink: <https://forms.gle/hrUVHXmowvcMPyHv8>

WEBINAR ON “SURFACE OZONE AIR POLLUTION AND ITS IMPACTS ON THE ENVIRONMENT”

Online webinar on the topic “Surface Ozone Air Pollution and its impacts on the Environment” was organized by the department on 15.07.2020 at 11.00 A.M. for the academic year 2019-2020. The Platform of the meeting was Zoom. Dr. T. Chithambarathanu, Principal, S.T. Hindu College, Nagercoil & Member Syndicate- Manonmaniam Sundaranar University, Tirunelveli was acted as the resource person. In his talk, Causes and Formation Mechanisms, Health Effects, Environmental Impacts Monitoring and Measurement Techniques and Technological solutions of the ozone air pollution are discussed. 747 participants are benefitted by this program. The Participants got deeper understanding of the causes, effects and complexities of surface ozone pollution and also, they identified the areas for further research and exploration to better combat surface ozone pollution.



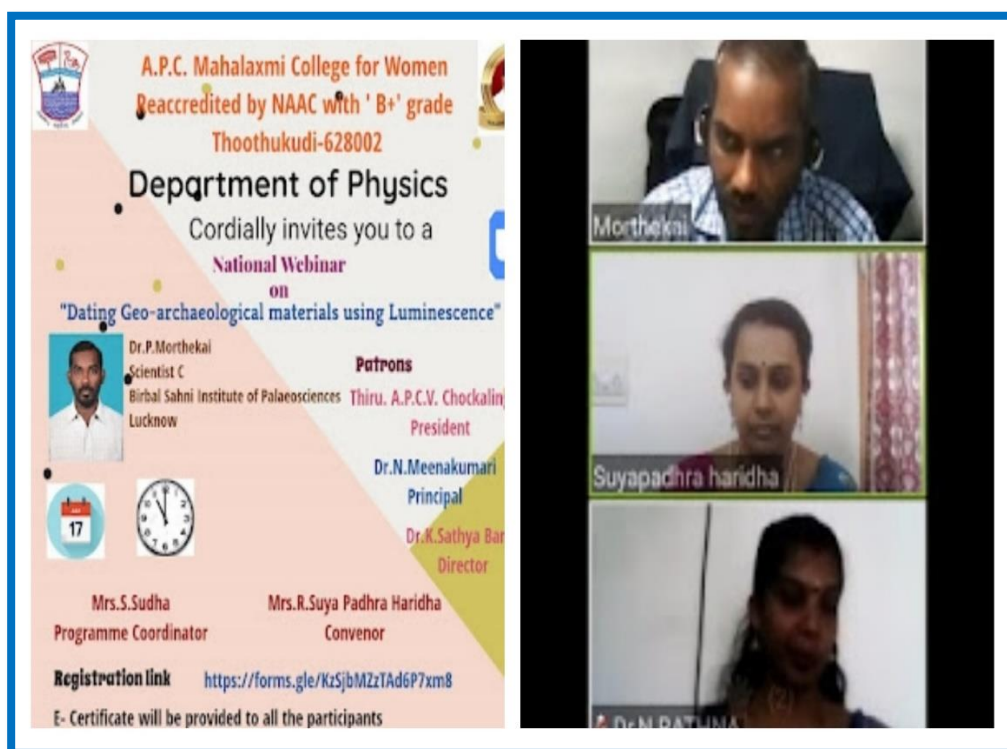
The image displays a promotional poster for a webinar on the left and a screenshot of a Zoom meeting on the right. The poster, titled "A.P.C. Mahalaxmi College for Women", is organized by the Department of Physics. It features the college's logo, accreditation details (NAAC 'B' grade), and contact information (Thoothukudi-628 002). The webinar topic is "Surface Ozone Air Pollution and its impact on the Environment", presented by Dr. T. Chithambarathanu, Principal of S.T. Hindu College, Nagercoil. The poster also lists the organizer, Dr. N. Rathna, and provides registration details, including a free registration link and a Telegram group link for further communication. The Zoom meeting screenshot shows three participants: Dr. N. Rathna at the top, Mariselvi in the middle, and Dr. T. Chithambarathanu at the bottom.

A.P.C. Mahalaxmi College for Women
Reaccredited by NAAC with 'B' grade
Thoothukudi-628 002
Department of Physics
Organizes a
Webinar
on
"Surface Ozone Air Pollution and its impact on the Environment"
Dr.T.Chithambarathanu
Principal,
S.T.Hindu College, Nagercoil.
Member Syndicate - Manonmaniam Sundaranar University, Tirunelveli.
Organizer
Dr.N.Rathna
Assistant Professor
Registration free
Registration Link: <https://forms.gle/1ksWVnV5XxWVxaGN8>
For further communication kindly join our telegram group <https://t.me/joinchat/Rm1aYBrOCDr65ILDH4zW>
E-certificate will be provided to all participants
All are cordially invited

Dr.N.RATHNA
Mariselvi

WEBINAR ON “DATING GEO-ARCHAEOLOGICAL MATERIALS USING LUMINESCENCE

An online Webinar was organized by the department on 17.07.2020 at 11.00 A.M. in Zoom Platform. Dr. P. Morthekai, Scientist C, Birbal Sahni Institute of Palaeosciences, was acted as a resource person and delivered a talk on “Dating Geo-archaeological materials using Luminescence”. He discussed about the luminescence dating which was useful for dating sediments and artifacts that contain minerals like quartz and feldspar, which can store energy from natural radiation over time. He explains the principles, methods, applications, and limitations of luminescence dating in geo-archaeology. 580 participants are benefitted by this program



The image displays a promotional poster for a webinar on the left and a screenshot of a Zoom meeting on the right. The poster, from A.P.C. Mahalaxmi College for Women, Department of Physics, invites to a national webinar on "Dating Geo-archaeological materials using Luminescence" on July 17th. It lists Dr. P. Morthekai as the resource person and lists several patrons: Thiru. A.P.C.V. Chockalingam (President), Dr. N. Meenakumari (Principal), and Dr. K. Sathya Bar (Director). The programme coordinator is Mrs. S. Sudha and the convenor is Mrs. R. Suya Padhra Haridha. A registration link is provided: <https://forms.gle/KzSjbMZzTAd6P7xm8>. The Zoom meeting screenshot shows three participants: Dr. P. Morthekai, Mrs. R. Suya Padhra Haridha, and another participant whose name is partially visible as "Suyapadhra haridha".

2020-2021:

VIRTUAL TWO DAYS INTERNATIONAL CONFERENCE ON “RECENT TRENDS IN MULTIDISCIPLINARY RESEARCH” (ICRTMDR 2021)

Virtual International Conference on Recent Trends in Multi-Disciplinary Research (ICRTMDR 2021) was organized by the department on 08.04.2021 & 09.04.2021 in collaborative manner. The platform of the physics presentation session was Google Meet. Dr. R. Sree devi, Associate Professor of Physics, Aditanar College of Arts and Sciences, Thiruchendur was acted as session chair for physics presentation sessions. The presenters explained their topics through the Oral presentations in virtual mode. This Conference provided a platform for knowledge sharing, networking, and collaboration across various sectors to the participants.



The poster for the Virtual International Conference on Recent Trends in Multi-Disciplinary Research (ICRTMDR 2021) features a central image of the college entrance and a photograph of participants. The text includes the conference title, dates (8th and 9th April - 2021), organizer (A.P.C. Mahalaxmi College For Women), and contact information. It also lists important dates, call for papers, and conference speakers.

**Virtual International Conference on
Recent Trends in Multi-Disciplinary Research**
8th and 9th April - 2021

Organized by
The Internal Quality Assurance Cell (IQAC)
A.P.C. Mahalaxmi College For Women, Thoothukudi, Tamilnadu
Reaccredited by NAAC with B+ Grade
4 Star Rating in MHRD's Institution's Innovation Council

(Visit us at : www.apcmcollege.ac.in/icrtmdr2021.html)

Submit Your Paper at
icrtmdr2021@gmail.com

ICRTMDR 2021

IMPORTANT DATES

Abstract Submission Deadline	10th Mar 2021
Registration Deadline	15th Mar 2021
Conference Dates	8th & 9th April 2021

CALL FOR PAPERS

Full paper submissions are invited for the International Conference on Multidisciplinary Research to be held in A.P.C. Mahalaxmi College, Thoothukudi on 8th and 9th April 2021. The following are the different tracks in this conference:
Track 1: Science, Technology, Engineering & Mathematics

CONFERENCE SPEAKERS >

Day : 1
Dr. Bambang Sujayona AP
Associate Professor,
State Polytechnics of Malang, Indonesia.

Dr. T. C. Manjunath,
Professor, HOD
Department of Electronics and Communication Engineering,
Deyarwad Agr College of Engineering, Bangalore

ABOUT THE COLLEGE >
A.P.C. Mahalaxmi College (APCM) for Women, Thoothukudi established in 1973 is the brain child of eminent scholar and philanthropist Kulapathi A.P.C. Veerabahu, the Founder President. Since its inception it has scaled great heights in imparting quality education and has made it affordable to the economically and socially backward women of the vicinity.

AIM & SCOPE OF THE CONFERENCE >
This conference provides an international forum for researchers, academics, and students to present their research papers and to interact with each other.

Category	Registration	Web of Science	Scopus
UG / PG	INR 220	INR 7500	INR 10000
PhD / Academic	INR 300	INR 7500	INR 10000
Industrial Professionals	INR 400	INR 7500	INR 10000

2021-2022:

**INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND ENGINEERING
(ICASE-2022)**

Virtual International Conference on Advances in Science and Engineering (ICASE-2022) was organized by the department on 24.03.2022 & 25.03.2022 in collaborative manner. The platform of the physics presentation session was Google Meet. Dr. S. Alwin gold, Assistant Professor, Department of Chemistry, American College, Madurai was acted as session chair for Physics Presentation Session-I. The presenters explained their topics through the Oral presentations in well manner. Dr.P. Sumithraj Premkumar, Assistant Professor of Physics, St. Johns College, Palayamkottai was acted as session chair for Physics Presentation Session -II. This conference increased the visibility of researchers or professionals in physics field, leading to greater recognition, opportunities for collaboration, or career advancement for the participants.



TANSICHE SPONSORED ONE DAY STATE LEVEL SEMINAR ON “RECENT TRENDS IN MATERIALSCIENCES” (Grant- in -Aid of Rs.10, 000/-)

Tamil Nadu State Council for Higher Education (TANSICHE) Sponsored State Level Seminar on the topic “Recent Trends in Material Sciences” was organized by the department on 04.04.2022. Dr. D. Silambarasan, Assistant Professor of Physics, The M.D.T. Hindu College, Tirunelveli was acted as a resource person and delivered a talk on Gamma Ray irradiated Multi-Walled Carbon Nanotubes for Hydrogen Storage in the Technical Session-I. The Technical Session –II was delivered by Dr. R. Naresh Muthu Assistant Professor of Physics, J.P. College of Arts and Sciences, Tenkasi on the topic Supercapacitor Device Performance of Boron-Incorporated Reduced Graphene Oxide. 100 Participants from various colleges were participated in this state level seminar.



TECHNICAL SESSION I



TECHNICAL SESSION II

2022-2023:

ONE DAY WORKSHOP ON “SCIENTIFIC ASPECTS OF GADGETS IN SCIENTIFIC EXHIBITION”

One day Workshop was organized by the department on 29.08.2022 in the topic “Scientific aspects of Gadgets in physics exhibition”. The resource person of the workshop was Prof. Sriraman, M.Sc., M.Phil., M.Ed., D.S., (Retd) H.O.D of Physics, V.O. Chidambaram College, Thoothukudi. The resource person explained the working principle of twelve gadgets and impart the knowledge of how to bridge science and spirituality through various models to the students. This workshop also helped to build the ability for team work and cooperation among students. 60 students have benefitted by the program.



ONE DAY WORKSHOP ON “INNOVATIONS IN ENERGY CONSERVATION FOR SUSTAINABLE FUTURE”

One day workshop on “Innovations in Energy Conservation for Sustainable Future” was organized by the department in association with IIC & APCM Academy of the college on 06.03.2023 from 10.00 A.M. to 3.00 P.M. The technical session-I was started at 10.30 A.M. Dr. J. Judes, Assistant Professor of Physics (Senior Grade) & Head, Department of Science and Humanities, University V.O.C. College of Engineering, AnnaUniversity: Thoothukudi Campus was acted as a resource person. He delivered a talk on “Recent Advancements in Energy Materials and its scope for sustainable future”. Also, he said that hydrogen will be the fuel of the future and also it is one step, direct, effective tool for tailoring the structure of Carbon Nanotubes. He outlined that the widespread use of hydrogen for fueling transportation is a key element of the proposed Hydrogen Economy. Technical Session-II was started at 1.00 P.M. which was delivered by Dr. N.Rathna, Assistant Professor of Physics of the college on the topic “Energy Audit”. In her talk she



discussed about types of energy audit and how to calculate the energy efficiency of our domestic appliances and the importance of energy audit. 65 participants were benefited by the workshop.



TECHNICAL SESSION I



TECHNICAL SESSION II

NATIONAL SEMINAR ON “RECENT TRENDS IN PHYSICAL SCIENCES”

National seminar on “Recent Trends in Physical Sciences (RTPS’23)” was organized by the department on 11.03. 2023. The technical session-I was started at 10.30 A.M. Dr. T. Daniel, Assistant Professor of Physics, M V J College of Engineering (Autonomous), Bengaluru delivered a talk on “Ternary Chalcogenide Thin films for Photovoltaic Applications.” In his talk, he pointed out the Chalcogenides which are the materials that contain at least one of the chalcogen elements. He said that the thin films could be applied in solar cell due to many advantages including direct band gap and high absorption coefficient value. Technical Session-II was started at 11.40 A.M. which was delivered by Dr. P. Sumithraj Premkumar, Assistant Professor of Physics, St. John’s College, Palayamkottai on the topic “Super Capacitor device performance of



Boron incorporated reduced Graphene Oxide.” In his talk he discussed about the super capacitors, classification of Supercapacitors and its charge storage mechanism. 100 participants were benefitted by this seminar.



TECHNICAL SESSION I



TECHNICAL SESSION II

2023-2024:

WORKSHOP ON “A STATUS OF WOMEN IN ASTRONOMY: A NEED FOR ADVANCING INCLUSIVITY & EQUAL OPPORTUNITIES”

One day workshop on the topic “A Status of Women in Astronomy: A need for advancing inclusivity & equal opportunities” was organized by the department on 08.03.2024. The venue of the program was at ICT hall – II of our college premises Dr. V. Muthusamy, State Executive member & Coordinator, Tamil Nadu Astronomy & Science Society (TASS), Tirunelveli and Mr. D. Swami doss, Coordinator Tamil Nadu Astronomy & Science Society (TASS), Tirunelveli was invited as the chief guest for the Program. Session – I was handled by Dr. V. Muthusamy. In his session he shared his views on innovations in Astronomical technology and the session – II was handled by Mr. D. Swami doss. In his session he gave an elaborated view on astrophysics and the contribution and achievement of women in the field. Also, they gave a demonstration of handling telescope to the students. The students were actively participated and 91 students took part in the program

