



**A.P.C. MAHALAXMI COLLEGE FOR WOMEN, THOOTHUKUDI**

**DEPARTMENT OF PHYSICS (U.A)**

### **Consolidated Report (2019-2020)**

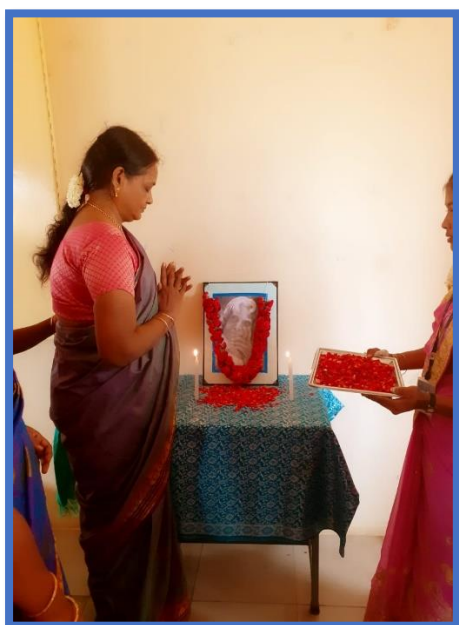
Guest Lecture on “Activities of the Heavy Water Board- An Overview” was organized by the department on 03.07.2019. Shri M. Chandramouli, Scientific Officer, Heavy Water Plant, Department of Atomic Energy, Thoothukudi was the guest speaker of the program.



Guest Lecture on the topic “Renaissance of Indian Women in the changing society” was organized by the department on 17.07.2019. Dr. J. Poongodi, Associate Professor of Physics, Kamaraj College, Thoothukudi presided and delivered a talk.



In the remembrance of Dr. A. P. J. Abdul Kalam Memorial Day, various competitions like Elocution, Pencil drawing, Essay Writing, Rangoli were conducted by the department on 26.07.2019 for the students as special day programme.



Road Safety Awareness programme was organized by the department on 07.08.2019 and 08.08.2019. Competitions like pencil drawing, Rangoli, Road Safety Icon Design, Essay Writing, Elocution were conducted.



Alumnae meet was conducted by the department on 15.08.2019. Our Alumnae Miss M. Bhavadharshini, Clerk, Karur Vysya Bank was invited as a Chief guest.



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 andConference 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.



World Ozone Day was celebrated as Special Day Programme by the department on 16.09.2019. Poster presentation Competition was conducted on that day.



In commemoration of Kalpana Chawla Memorial Week, Poster Presentation competition was conducted by the department on the topic “Wonders of Science” on 29.01.2020.



Guest lecture on the topic “Mental Health Issues of Women” on 13.02.2020 at 10.30 A.M. was organized by the department. The Venue of the program was New Seminar Hall. Professor. A. Jeyakumar, Psychotherapist and Counsellor, Sacred Heart Hospital, Thoothukudi was acted as the resource person of the program. In his talk, the topics like Physical health, Mental Health, Mental Illness, Importance of Mental Health, and cause of depression are discussed. 91 participants were benefitted by this program.



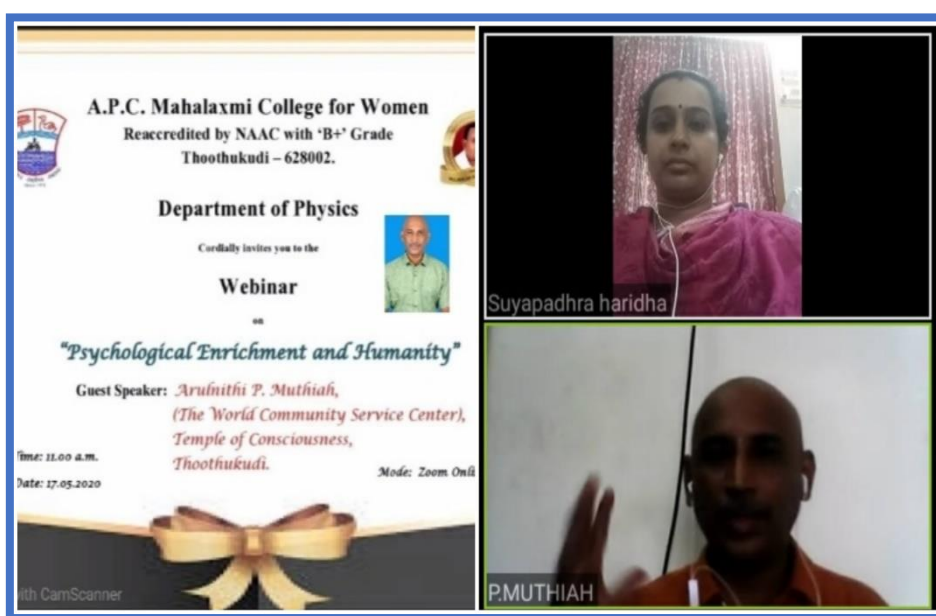
“International Conference on Recent Trends in Multi-Disciplinary Research” (ICRTMDR 2020) was organized by the department on 27.02.2020 & 28.02.2020 in collaborative manner. Dr. Narayanaswamy, Associate Professor of Physics, Kamaraj College, Thoothukudi and Dr. P. Sumithraj Premkumar, Assistant Professor 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.



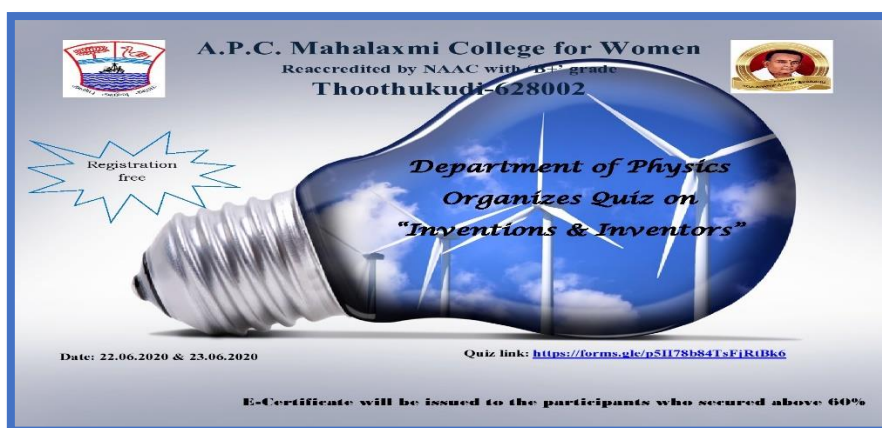
National Science Day was celebrated on 28.02.2020 by the department. Debate Competition was conducted on the topic “Scientific Achievements of India is a boon or bane?” The students were actively participated and shared their views on the topic.



An online webinar on the topic “Psychological Enrichment and Humanity” on 17.05.2020 at 10.00 A.M was organized by the department. The Platform of the meeting was Zoom. Arulnithi. P.Muthiah, Temple of Consciousness, Thoothukudi was invited as the speaker of the program. He gave an inspiring talk on the topic. In his talk, he insisted some important concepts like Mental Health, Physical Health and its importance through interactive sessions and discussions. 216 participants are benefitted by this program.



On 24.06.2020 & 25.06.2020 an E quiz has been organized by the department on the topic Inventions and Inventors through Online mode through Google forms.



An Online Faculty Development Programme was organized on 02.07.2020 at 10.00 A.M. in ZOOM Platform. Dr. S. Meena, Assistant Professor of Physics, S.T.Hindu College, Nagercoil delivered a talk on “Virtual Learning Platform for Experimental Science”

**A.P.C. Mahalaxmi College for Women**  
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 Thoothukudi-628002

**THE DEPARTMENT OF PHYSICS**  
 Cordially invites you to a

**Faculty Development Programme**  
 for Science Faculty of Schools and Colleges

**Virtual Learning Platform for Experimental Science**

**Date : 02.07.2020** **Timing: 10:00 – 11:30 a.m.**

Registration free  
<https://forms.gle/ZZYUCG8aPaPKG6p8>

For further communication kindly join our whatsapp group  
<https://chat.whatsapp.com/KR6Ams5GuPHNlUQnSaeEm>  
<https://chat.whatsapp.com/G4c9SL8gRRE6OXcV2p83>

**!! E-certificate will be issued to all the participants!!**

**Resource Person**  
**Dr.M.Meena**  
 Assistant Professor of Physics  
 S.T.Hindu College, Nagercoil.

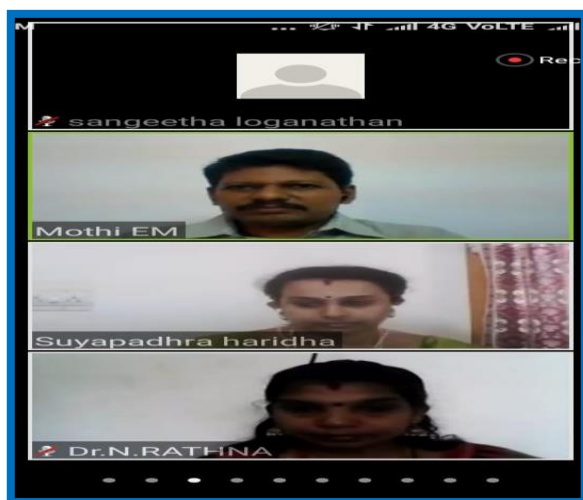
**Patrons**  
**Dr.K.Sathya Bama** Director  
**Dr.N.Meenakumari** Principal  
**Thiru.A.P.C.V.Cheekalingam** President

**Convenor**  
**Mrs.R.Suya Padhra Haridha**  
 Head, Department of Physics

**Programme Co-ordinator**  
**Mrs.S.Sudha**  
 Assistant Professor of Physics

**Organizer**  
**Ms.S.Ananthi**  
 Assistant Professor of Physics

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. 252 participants were benefitted by the program



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**DEPARTMENT OF PHYSICS**  
 the soaring people

**Science Talk: E-Lecture Series**  
**Series Three: Spectroscopic Identification of Materials** **9<sup>th</sup> 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 the E-Lecture**  
 This interdisciplinary activity is organized with an aim to provide scientific information on various spectroscopic techniques used for characterization of materials.

**PATRONS**  
**Thiru. A. P. C. V. Cheekalingam** President  
**Dr. C. Meenakumari** Principal  
**Dr. K. Sathya Bama** Director

**CONVENOR**  
**Mrs. R. Suya Padhra Haridha** Head, Department of Physics

**ORGANIZER**  
**Ms. S. Ananthi** Assistant Professor of Physics

**PROGRAMME COORDINATOR**  
**Mrs. S. Sudha** Assistant Professor of Physics

**Platform:**

**Registration must be done online.**  
 No Registration Fee.

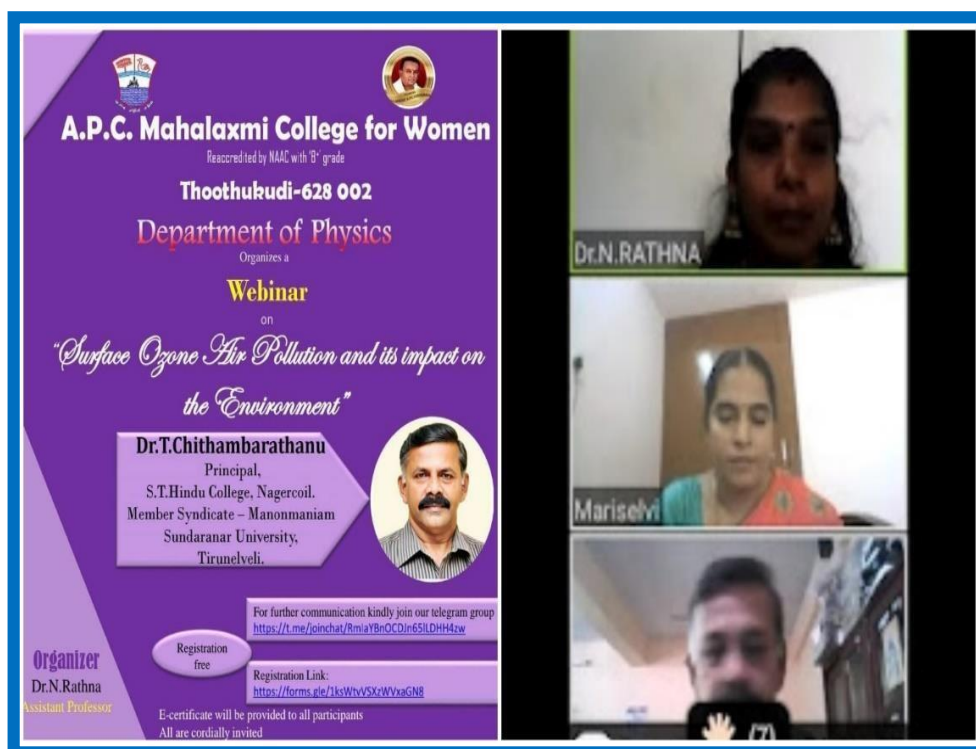
**Registration weblink: <https://forms.gle/hrUVHxMowvcMPyHv8>**

**Speaker**  
**Dr. E. M. Mothi**  
 Associate Professor  
 Centre for Scientific and Applied Research  
 P.S.N. College of Engineering and Technology (Autonomous)  
 Tirunelveli - 627 102.

**Science Talk: E-Lecture Series** will reasonably good interest towards the program for attending the E-Lecture. Name of delivery will be informed to the selected participants. E-Certificate will be issued to all the active participants.



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 a portrait of Dr. T. Chithambarathanu, the principal, and provides registration details, including a free registration link and a Telegram group link. The Zoom meeting screenshot shows three participants: Dr. N. Rathna, Mariselvi, and a man in the foreground.

**A.P.C. Mahalaxmi College for Women**  
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**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  
E-certificate will be provided to all participants  
All are cordially invited

For further communication kindly join our telegram group  
<https://t.me/joinchat/RmiaYBrOCDr6SILDH4zw>

Registration Link:  
<https://forms.gle/1ksWwV5KcWwkaGNE>

Dr. N. RATHNA  
Mariselvi

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

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**Department of Physics**  
Cordially invites you to a  
**National Webinar**  
on  
**"Dating Geo-archaeological materials using Luminescence"**

**Dr. P. Morthekai**  
Scientist C  
Birbal Sahni Institute of Palaeosciences  
Lucknow

**Patrons**  
**Thiru. A.P.C.V. Chockalingam**  
President  
**Dr. N. Meenakumari**  
Principal  
**Dr. K. Sathya Babu**  
Director

**Mrs. S. Sudha**  
Programme Coordinator  
**Mrs. R. Suya Padhra Haridha**  
Convenor

**Registration link** <https://forms.gle/KzSjbMZzTAd6P7xm8>  
E- Certificate will be provided to all the participants

Zoom Meeting Grid:  
Top: Morthekai  
Middle: Suyapadhra haridha  
Bottom: Dr. N. RATNA

  
**Head of the Department**

  
**Principal**