ABOUT AGARAM FOUNDATION

Agaram Foundation, an organization based in Chennai, Tamil Nadu, India, believes in education as a catalyst for societal change. Our mission is to enhance education for rural students, especially for those from socio-economically and underprivileged backgrounds. We focus on bridging the education gap, particularly for rural students, and aim to improve access to quality education. Our efforts are dedicated to empowering young women and girls in STEM-related fields, recognizing the importance of diversity and equity in the field.

ANNA UNIVERSITY - CENTRE FOR EMPOWERMENT OF WOMEN

Anna University, located in Chennai, is a renowned institution known for its excellence in engineering, technology, and allied fields. With a rich history spanning decades, it has emerged as a hub for academic innovation, research, and industry collaboration. The university's commitment to quality education and holistic development has earned it recognition both nationally and internationally. The Centre for Empowerment of Women at Anna University is dedicated to advancing gender equality and women's empowerment through education, research, and outreach programs. It is committed to creating a supportive environment that fosters education and training, and it is dedicated to providing opportunities for female students in the field of STEM.

OBJECTIVES OF THE CONCLAVE

- To provide an understanding of various opportunities in terms of education and career for female students in the field of STEM.
- To create awareness on how the contribution of women can make a significant impact in addressing global challenges.
- Developing innovative solutions, contributing to a more equitable and sustainable future.

SUB THEMES

We invite authors to present original research papers in the sub-themes specified below:

- Lab to Market Technology
- Sustainable market
- Cyber Security for women
- Climate Change mitigation and resilience
- Green Chemistry and renewable energy application
- "ONE HEALTH"- Multidisciplinary approach
- Future of AI and Robotics
- Future of Bio-Medical and AI
- Biomedical, Automation and telehealth
- Transportation and autonomous driving for environmental sustainability

CALL FOR ABSTRACT SUBMISSION

- Undergraduate (UG) 2nd, 3rd and 4th Year female students pursuing education in the field of Science, Technology, Engineering, and Mathematics (STEM streams),
- Postgraduate (PG) and PhD female students with innovative ideas who can motivate the juniors towards their travel in STEM related fields,
- Women presenters, participants and speakers from all corners of the world, fostering a diverse and international exchange of ideas and experiences.

To download abstract form visit: https://empower.agaram.in/abstract

Selected Abstracts will be categorized for presentation as Poster, Prototype or Idea presentation by panel members based on quality of work and research outcome.

THESIS IN 3-MINUTE PRESENTATION

Thesis in 3-minute presentation is open exclusively for ongoing or completed Ph.D. candidates. Submit one page write-up of the research not exceeding 300 words as word document in the link below:
https://empower.agaram.in/3m
ABOUT ANEH SCIENTIFIC FOUNDATION

ANEH Scientific Foundation (www.anehfoundation.com), a non-profit organization in India, is dedicated to transforming higher education by focusing on research skills and training and aligning with the United Nation’s Sustainable Development Goals. At ANEH Scientific Foundation, diversity and inclusivity are critical drivers of innovation and progress in the scientific community. Our mission is to create an environment that empowers women and rural participants to excel in STEM fields by providing them with the necessary resources, support, and opportunities to thrive. It fosters STEM activities (workshops, seminars and conferences) and accelerates the transition of women and rural students into higher education. We committed ourselves to removing the obstacles faced by women, notably significant career development and progression points, including transitioning from master’s to PhD and further into a sustainable academic/industry career. In such context, the ANEH-WISE (Women in Science and Engineering) forum aims to accelerate women’s and girls’ participation in STEM activities by bringing together policymakers, researchers, key stakeholders, and participants in various institutionalized events.

IMPORTANT DATES

Last Date for Submission of Abstracts
29th February 2024

Intimation and acceptance of research papers for presentation
1st March 2024

Last Date for Submission of presentation details (Poster/PDF/PPT; Prototype-Image/Facilities Required; Idea presentation - PPT; Thesis in 3-Minutes PPT/video)
15th March 2024

FOR REGISTRATION

➢ Participation in STEM 2024 is only through online registration. After completion of payment screenshot of transaction receipt must be uploaded for completion of the registration.

➢ Registration will be confirmed only based on completion of payment before last date of Abstract submission.

➢ Template for poster, prototype and Idea presentation will be updated in the conclave website after shortlisting of selected abstracts.

REGISTRATION FEES:

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>ATTENDEES</th>
<th>PARTICIPANTS</th>
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To Register Visit: https://empower.agaram.in

ADVISORY PANEL

1. Dr. Meena Senthilnathanan
   University of Jaffna, Professor (Chair) of Chemistry, Department of Chemistry, Sri Lanka.
2. Dr. P. Vanaja Ranjan
   Professor, Dept of EEE, Director, Centre for Faculty Development, Anna University.
3. Dr. R. Vidy
   Associate Professor, Dept of Physics, CEG, Anna University.
4. Dr. G. Nandhini Dev
   Professor, Dept of Biotechnology, Director, Centre for Technology in Traditional Medicine, Anna University.
5. Dr. K. R. S Preethi Meher
   Assistant Professor, Central University of Tamil Nadu, Department of Materials Science, Central University of Tamil Nadu, India.
6. Dr. Nithya Eswaramoorthy
   Monash University, Teaching and Research Experimental Officer, Department of Materials Science and Engineering, Monash University, Australia.
7. Dr. Saritha Panthapulakkal Narayanan
   Postdoctoral Researcher, Lund University, & Vice-President, Nordic Forum for Science and Technology, Sweden.
8. Ms. Elavarasi Valentina Deenadayalan
   Software Application Developer - Product, Boeing Co, Sweden & Founder – Aathan Academy, India.
9. Ms. Jeewitha Pauraj
   Associate Consultant, TCS.
10. Ms. Swetha Priya
    Advisor, Science & Technology, Mullai Academy.

ORGANISING COMMITTEE

1. Dr. G R Rajaranayagam
   Associate Professor, Department of Chemistry, Director I/C, CEE, Anna University.
2. Dr. S Revathi
   Assistant Professor (Sr. Gr.), Dept of Chemistry, Anna University.
3. Dr. Akila Yuvapragasam
   Director, Alfred Engineering, Mullai Academia International Pvt Ltd.
4. Dr. Thanemozhi G. Natarajan
   Director at EduRight Foundation, USA. Clinical Genomics Scientist, Sr. Consultant - Cancer Genomics, Querametrics, USA.
5. Dr. Somiya Thivaprapasam
   Associate Senior Engineer, Institution Scania CV AB, Södertälje, Sweden. Vice-President, Nordic Forum for Science and Technology.
6. Dr. Anitha Devadoss, PhD
   Assistant Professor, Institute of Biological Chemistry, Biophysics and Bioengineering, School of Engineering & Physical Sciences, Heriot-Watt, University, Edinburgh, UK.
7. Dr. Abhirami Murugavel, PhD
   Research Scientist, R&D, Intercomet Group, Madrid, SPAIN.

KEYNOTE SPEAKERS

- Dr. Soumya Swaminathan, Chairperson, MSSRF.
- Dr. Annapurni Subramaniam, Director, Indian Institute of Astrophysics.
- Dr. Jayshree Vencatesan, Managing Trustee, Care Earth Trust.

CONCLAVE SCHEDULE

Day 1
09.00 AM – 10.30 AM
Inaugural Address - Dr. Soumya Swaminathan, Chairperson, MSSRF.
10.30 AM – 10.45 AM
Opening of stalls and workshop by chief guests.
11.00 AM to 12.00 PM
Session 1 - Innovate Idea presentation by UG/PG students (Life science/Medical/Para-medical)
12.00 PM to 1.00 PM
Session 2 - Thesis in 3-Minutes
Exclusively for PhD scholars (ongoing / completed)
02.00 PM to 3.15 PM
Session 3 - Science, Society and Sustainability – Panel Discussion
03.30 PM to 05.00 PM
Session 4 - Career guidance - 4 parallel sessions on opportunities available
   A - Life Science/Medical/Para Medical
   B – Physics/Chemistry/Maths
   C – Information Technology/Computer Applications
   D – Mechanical/Automobile/Material Science/Chemical Engineering

Day 2
09.00 AM to 10.00 AM
Session 5 - EmpowHer Awards 2024 for Women Innovators
10.15 AM to 11.00 AM
Session 6 - Awareness on Entrepreneurial Skill Development
11.00 AM to 11.45 AM
Session 7 - IPR and Patenting challenges – Panel Discussion
11.45 AM to 12.45 PM
Session 8 - Innovate Idea presentation by UG/PG students (IT/CS/Mech/Aut/Chem Engg/Material Science)
01.45 PM to 02.45 PM
Session 9 - Challenges and Opportunities for women in research Social Debate
02.45 PM to 03.45 PM
Session 10 - Panel discussion – The Future of Sustainable Living: A Gender-Balanced Lens
04.00 PM to 05.00 PM
Valedictory Address - Dr. Annapurni Subramaniam, Director, Indian Institute of Astrophysics, Dr. Jayshree Vencatesan, Managing Trustee, Care Earth Trust.