

ABOUT AGARAM FOUNDATION

Agaram Foundation, an organization based in Chennai, Tamil Nadu, India, believes in education as a catalyst for societal change. Our mission centers on bridging the education gap, especially for rural students deserving higher education. For over 15 years, our 'Ildial' program has supported more than 5000 socio-economically deserving students. Many of these individuals might have discontinued their education after 12th grade if not for the opportunities provided by Agaram Foundation. Our commitment to these candidates signifies our dedication to overcoming such obstacles. Our students pursue diverse courses, spanning Medical, Paramedical, Engineering, Diploma, Arts & Science and various professional degrees. Additionally, Agaram Foundation prioritizes minimizing student dropouts, underscoring our commitment to ensuring educational success from start to finish.

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. Committed to fostering a supportive environment, the center provides resources, training, and advocacy initiatives to empower women in academia and beyond. Through Collaborations and partnership with Centre for Empowerment of Women, NSS unit XI and Aakriti girls forum, Anna University strives to create a more inclusive and equitable society.

ABOUT MULLAI ACADEMIA INTERNATIONAL

Mullai Academia International shall be a leading global educational consultant, to provide all our services to meet the global demand for sustainable development. Mullai Academia International shall ensure quality, timely and valuable services, through continuous technology advancements, transferring world-class educational concepts to everyone's doorstep. Mullai develops exclusive individuality, unique talent and self-reliance of each student (from schools to universities), empower them to take on the world with the professional skills and confidence to ensure success.

ABOUT NORDIC FORUM FOR SCIENCE AND TECHNOLOGY

Nordic Forum for Science and Technology, registered science-technology-societal awareness based NGO in Sweden, collectively formed by the Academic Researchers, Engineers, and Scientists of Sweden. Involved in science awareness programmes and successfully handling various projects in Tamilnadu, India, including Translation of Thirukkural and Manimegalai into Swedish language.

ABOUT EDURIGHT FOUNDATION

EduRight Foundation is a non-profit organization dedicated to improving educational opportunities and outcomes for underserved communities. Through various initiatives and programs, the foundation works to bridge gaps in access to quality education, particularly in marginalized areas. EduRight is a comprehensive educational platform that aims to revolutionize learning by providing personalized, accessible, and innovative solutions. With a focus on harnessing technology, EduRight offers a wide range of resources, including interactive learning modules, expert tutoring, and adaptive assessments. By partnering with schools, communities, and government agencies, EduRight Foundation strives to empower individuals with the knowledge and skills needed to thrive in the modern world. With a focus on equity, innovation, and sustainability, EduRight Foundation aims to create lasting positive impacts in the field of education.

ABOUT THE CONCLAVE

In December 2015, The UN General Assembly decided to establish "International Day of Women and Girls in Science" celebrated on 11 February to recognize the importance of women and girls in Science. The celebration of this day provides an opportunity to promote gender equality which is one of the 17 goals under the United Nation's Sustainable Development Goals of 2030. **33.3%** - global average percentage of **female researchers** and only **35%** of all students in **STEM-related fields**.

OBJECTIVES OF THE CONCLAVE

- To provide an understanding of various **opportunities** both 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 format visit: <https://empowher.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.

THESES 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://empowher.agaram.in/3m>

ORGANIZED BY



INTERNATIONAL CONCLAVE FOR WOMEN IN STEM



CONCLAVE THEME EMPOWERING WOMEN TOWARDS HIGHER EDUCATION AND RESEARCH

CONTACT
9789008994
stem@agaram.in

DATE & VENUE
18TH & 19TH, MARCH 2024
ANNA UNIVERSITY
CHENNAI

CO-ORGANIZERS



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 Nations 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 at 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

25th 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:

ACADEMIC	ATTENDEES	PARTICIPANTS
UG	₹250	₹500
PG/PhD	₹500	₹750
WORKING PROFESSIONAL	₹750	₹1000
FOREIGN STUDENTS	\$25 USD	\$50 USD

To Register Visit:
<https://empowher.agaram.in>

ADVISORY PANEL

- Dr. Meena Senthilnathanan**
University of Jaffna, Professor/Chair of Chemistry, Department of Chemistry, Sri Lanka.
- Dr. P. Vanaja Ranjan**
Professor, Dept of EEE, Director, Centre for Faculty Development, Anna University.
- Dr. R. Vidya**
Associate Professor, Dept of Physics, CEG, Anna University.
- Dr. G. Nandhini Dev**
Professor, Dept of Biotechnology, Director, Centre for Technology in Traditional Medicine, Anna University.
- Dr. KR S Preethi Meher**
Assistant Professor, Central University of Tamilnadu, Department of Materials Science, Central University of Tamilnadu, India.
- Dr. Nithya Easwaramoorthy**
Monash University, Teaching and Research Experimental Officer, Department of Materials Science and Engineering, Monash University, Australia.
- Dr. Saritha Panthapalakkal Narayanan**
Postdoctoral Researcher, Lund University, & Vice-President, Nordic Forum for Science and Technology, Sweden.
- Ms. Elavarasi Valentina Deenadayalan**
Software Application Developer - Product, Boeing Co, Sweden & Founder - Aathan Academy, India.
- Ms. Jeevitha Paulraj**
Associate Consultant, TCS.
- Ms. Swetha Priya**
Advisor, Science & Technology, Mullai Academia.

ORGANISING COMMITTEE

- Dr. R Rajarajeswari**
Associate Professor, Department of Chemistry, Director I/C, CEW, Anna University.
- Dr. S Revathi**
Assistant Professor (Sr. Gr.), Dept of Chemistry, Anna University.
- Dr. Akila Yuvapragasam**
Director, Abroad Education, Mullai Academia International Pvt Ltd.
- Dr. Thanemazhi G. Natarajan**
Director at EduRight Foundation, USA, Clinical Genomics Scientist, Sr. Consultant - Cancer Genomics, Queronomics, USA.
- Dr. Soemiyia Theivaprakasam**
Associate Senior Engineer, Institution Scania CV AB, Södertälje, Sweden. Vice - President, Nordic Forum for Science and Technology.
- Dr. Anitha Devasdas, PhD**
Assistant Professor, Institute of Biological Chemistry, Biophysics and Bioengineering, School of Engineering & Physical Sciences, Heriot-Watt, University, Edinburgh, UK.
- Dr. Abhirami Marugavel, PhD**
Research Scientist, R&D, Intercom Group, Madrid, SPAIN.

KEYNOTE SPEAKERS



Dr. Soumya Swaminathan,
Chairperson, MSSRF.



Dr. Annapurni Subramaniam,
Director, Indian Institute of Astrophysics



Dr. Jayashree Venkatesan,
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. Jayashree Venkatesan, Managing Trustee, Care Earth Trust.