

Date : 16-02-2024

To Grandhigram Rural Institute
[Dindigul]



Dear Sir/Madam,

Sub: Request to participate in EmpowHer - International Conclave for women in STEM-2024

Greetings from Agaram Foundation!!

Agaram has been working in the field of education for the past 14 years. We believe education is the strongest weapon to equate the socio-economic divide. We work on bridging the gap in accessibility of higher education by ensuring support for deserving students from rural backgrounds. Our vision is "To bring about a significant positive change in the socio-economic status of the rural society by offering quality education to the deserving individual."

We started the Vidhai program (under graduation program) in 2010 with 160 students and are now supporting nearly 5242 Students. Students who complete their 12th standard in government or government-aided school and are not able to pursue their college education shall be identified for the Vidhai program. We are very glad to share that our students are spread across various courses such as Medical, Paramedical, Engineering, Diploma, Arts & Science and many Professional degrees. This has been possible only with support from people from all walks of society such as institutions, corporate, volunteers, donors, resources. Furthermore, our drop out ratio is around 2% thus ensuring the undergraduation from start to finish and around 66.5% of our students are female.

The deserving students are selected through an extensive and meticulous selection process the students thus selected are groomed holistically through periodic workshops, enhancement training, employability training with the skills required to face the world and socially sensitized to take responsibility for the society which they hail from.

EmpowHer International Conclave for Women in STEM – 2024. We are happy to announce that Agaram Foundation, in cooperation with Anna University, Mullai Accademia International, Nortech - Nordic Forum for Science and Technology, and ANEH - Scientific Foundation, will host a **"International STEM Conclave for Women"** on March 18th and 19th, 2024 in Anna University, Chennai. This event is intended for undergraduate students from Tamil Nadu's rural districts, particularly those facing socio economic hardships and who had studied in government or government-aided schools.

Our goal is to introduce these young minds to the world of scientific conferences and inspire them to pursue professions in STEM fields. What makes this event unique is that the kids are in charge of the arrangements, with help from Agaram Foundation's dedicated female volunteers. We are contacting women participants, stalls, and collaborators to encourage them to join us.

Reg. Office: 15 Krishna Street, T. Nagar, Chennai - 600 017.
Ph : 044 4350 6361 Website : www.agaram.in Regd. No. 674 / 2006

Note: Herewith attached the brochure of the conclave for your perusal. Kindly circulate the same among your student community.

Thank you
Warm regards

Director
Mobile no. : 9789068653

Our objective is that these students will become ambassadors, spreading their newfound knowledge and confidence to other government college pupils. Finally, the conclave hopes to instill tenacity and confidence, as well as demonstrate directly the rewarding experience of a career in STEM can be.

Even though women have made progress toward increasing their participation in higher education, they are still under-represented in these fields. Only 33.3% global average percentage of female researchers and only 35% of all students in STEM-related fields of study are women. Gender equality and the empowerment of women and girls will make a crucial contribution not only to the economic development of the world but to progress across all the goals and targets as per the United Nations Sustainable Development Goals of 2030.

Our request :

We are very happy to extend the opportunity for your UG/PG/Ph.D. students to showcase their talents by participating in the events conducted in the conclave. They can gain exposure by listening to profound knowledge of our keynote speakers/session speakers, career guidance, live debates and panel discussions to trigger the young minds to pursue higher education and achieve more laurels in their career.

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Thank you
Warm regards



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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 Vidhai program has supported more than 5242 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 Collaboration 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 doorsteps. 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.

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://empowher.agaram.in/t3m>

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 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 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 girl's 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. K R S Preeti 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 Panthapulakkal 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. G 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. Thanmozhi G. Natarajan**
Director at EduRight Foundation, USA. Clinical Genomics Scientist,
Sr. Consultant - Cancer Genomics, Queromatics , USA.
- Dr. Sowmiya Theivaprakasam**
Associate Senior Engineer, Institution Scania CV AB, Södertälje, Sweden.
Vice - President, Nordic Forum for Science and Technology.
- Dr. Anitha Devadoss, PhD**
Assistant Professor, Institute of Biological Chemistry, Biophysics and Bioengineering,
School of Engineering & Physical Sciences, Heriot-Watt, University, Edinburgh, UK.
- 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 t-
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.**