

Ennobling motherhood and enabling women for leadership in science

16 & 17th Dec 2023

Tumkur University, Tumakuru

Focal Theme : Science for Society

Organised



Matru Vedike (Women Scientist's Forum) Swadeshi Vijnana Andolana - Karnataka (Karnataka Unit of Vijnana Bharati) "Swadeshi Sadan", Guru Narayana Vidya Vihar, Hebbal, Bengaluru-560 024 www.svak.org In Association with



Tumkur University Tumakuru www.tumkuruniversity.ac.in



विज्ञान एवं प्रौद्योगिकी विभाग DEPARTMENT OF **SCIENCE & TECHNOLOGY**

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14 thNational Women's Science Congress Ennobling motherhood and enabling women for leadership in science

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16 & 17th December 2023 Tumkur University, Tumakuru

"Ask the right questions and nature will open the doors to her secrets"



Nobel Laureate Bharath Rathna Awardee Dr Sir C V Raman 1888-1970

"Never to let one's self be beaten down by Persons or by events"



Nobel Laureate Madam Marie Curie 1867-1934

"Every man who has become great owes his achievement to incessant toil"



Bharat Rathna awardee Dr. Sir M. Visvesvaraya

1861-1962

VIJNANA SAMAGRATHA (Holistic approach to Science) The holistic approach for the promotion of physical & material sciences, socio-cultural sciences and psycho-spiritual sciences is fostered by Swadeshi Vijnana Andolana-Karnataka (SVAK) in all its activities.

The **National Women's Science Congress** is being designed to bring **Women Scientists** to the forefront of Science & Technology in various domains. **Matru Vedike of SVAK** intends to bring many women scientists working in the areas of Science, Engineering and Technology on a single platform during the **National Women's Science Congress**.

The Matru Vedike derives great pride in acknowledging the immense contributions made by Vedic Rishikas of Ancient Bharat in the likes of Maitreyi, Gargi, Katyayani and many others. Similarly stellar achievements of Modern day women Scientists like Madam Marie Curie and her daughter Irene Curie, Padmashree Awardee Janaki Ammal and Shakunthala Devi continues to inspire generations of Women Scientists.

The **National Women's Science Congress** proposes to instill a sense of pride, confidence and camaraderie among young women scientists by bringing them on to a single platform.

Matru Vedike of Swadeshi Vijnana Andolana- Karnataka in association with Tumkur University is organising the 14th National Women's Science Congress, inviting scientific papers from various fields of science.

Swadeshi Vijnana Andolana – Karnataka (SVAK)

Swadeshi Vijnana Andolana – Karnataka (SVAK) is an organisation promoting not only modern science but also our own Indian traditional system of medicine, Indian art forms, culture and literature. The SVAK emphasises manifestation of "Swadeshi" ethos in our scientific pursuit.

SVAK was formed by a group of innovative thinkers and scientists lead by Prof. K. I. Vasu, renowned scientist from IISc in the year 2004. SVAK today has 25 active district units with 1300 Life Members in Karnataka. Eminent Scientists, academicians, policy makers and social workers are the torch bearers of this organisation.

SVAK envisions to have the essence of both science and spirituality to go hand in hand, so that the technology is made available in the rural area for social empowerment and rural development for the benefit of the Society at large. To achieve this object SVAK has partnered with many Universities, R&D organizations and other institutions.

Swadeshi Vijnana Andolana- Karnataka endeavours the promotion and dissemination of science in Kannada by conducting annual Kannada Vijnana Sammelan as to commemorate the birth anniversary of Bharath Rahtna Awardee Dr. Sir M. Visvesvaraya and promotion of science among women scientists by organsing annual National Women's Science Congress to commemorate the birth anniversary of Bharath Rahtna Awaredee & Nobel Laureate Sir C. V. Raman and Nobel Laureate Madam Marie Curie

Tumkur University



Tumkur University, established in the year 2004, has gained significance as one of the young universities in the country and has been recognized as an institution of higher learning on par with high profile national institutions. It is a State University, established to cater the educational needs of Tumakuru district where the majority of students hail from the rural background.

Within a short span of years, the University has been successful in being recognized as an Institute of National Eminence by the UGC, besides being recognized under section 12 (B) of the UGC Act 1956 and also successfully gaining 'B+' grade by the NAAC accreditation. Recently, the university has been rated as a 'Three Star' institution under the Karnataka

State Universities Rating Framework (KSURF) released by the Karnataka State Higher Education Council, Bengaluru.

The University has had significant academic collaborations with several organizations and institutions of national importance including the Institute for Social and Economic Change, Bangalore; Tata Institute of Social Sciences, Mumbai; Intel, India; University of Rouen, France, National Law School of India University, Bangalore; and Mangalore University.

The gleaming history of the University owes its glory also to eminent scientists, Nobel Laureates, Spiritual Leaders including the 14th Dalai Lama who has visited the University. Students and faculty have been immensely benefited by their interaction with scientists like Dr. APJ Abdul Kalam and several other thinkers and educationists



NATIONAL WOMEN'S SCIENCE CONGRESS

The Matru Veidke of Swadeshi Vijnana Andolana-Karnataka has been organising National Women's Science Congress since 2008, commemorating the birth anniversary of Bharatratna Awardee & Nobel Laureate Sir C V Raman and renowned scientist & Nobel laureate Madam Marie Curie, on 7th November.

Swadeshi Vijnana Adolana - Karnataka presents the prestigious Sir C V Raman Mahila Vijnana Puraskara to an outstanding woman scientist from India in the field of Physical, Mathematical & Biological Sciences.

The Prestigious Madam Marie Curie Mahila Vijnana Puraskara is being awarded to an outstanding woman scientist from other fields of Science excluding the above.

Former recipients of Madam Marie Curie Mahila Vijnana Puraskara:

- Dr Vijavalakshmi Ravindranath, Former Director, NBRC
- Dr G V Satyavathi, Former DG-ICMR
- Dr B Meena Kumari, Dy. DDG-ICAR
- Dr Vaidehi Ganesan, Former Scientist, IGCAR
- Dr Tessy Thomas, Project Director, AGNI Missiles, DRDO
- Prof H S Savithri, Biochemistry, IISc
- Dr Lakshmi Kantam, Former Director CSIR-IICT, Hyderabad

- Ms J Manjula, first women DG(E&CS) DRDO
- Dr Sowmya Swaminathan, Former DG, ICMR
- Prof Shashikala Waniari. VC, SNDTWU, Mumbai
- Dr V R Lalithambika, Director, Directorate of Human Space flight Programme at ISRO
- Smt Mutthaiah Vanitha, Project Director, Chandrayan-2 ISRO, Bengaluru
- Prof Sharada Srinivasan, Prof. NIAS, Bengaluru

Former recipients of Sir C V Raman Mahila Vijnana Puraskara:

- Prof Sujatha Ramadorai, TIFR & Member, NKC
 Prof Shrubabati Goswami, P R L, Ahmedabad Prof Rohini Godbole,
- Centre for High Energy Physics, IISc
- Dr N Valarmathi, Project Director RISAT, ISRO
- Prof Riddhi Shaw, JNU, New Delhi
- Prof Shobhana Narasimhan, JNCASR
- Prof Anuradha Mukhopadhya, VC, DHWU, West Bengal
- Dr N Kalaiselvi, Director, CSIR- CECRI, Karaikudi
- Mrs Anandi Ramalingam, Director (Marketing), BEL, Bengaluru

14th National Women's Science Congress

16 & 17th December 2023

Focal Theme

Science for Society has been considered as the Focal Theme for the 14th National Women's Science Congress in view of the vagaries of Global Warming, Climate Change and other related Environmental issues bothering the man kind.

Themes:

- 1. Paanineeyam : Ashtadhyayi, Lingustic Sciences & Humanities
- 2. Patanjaleeyam : Ashtanga Yoga, Psycho-spiritual, Philosophical, Physical Education & Psychology
- 3. Bharateeyam : Natyasastra, Socio-cultural, Arts & Music
- 4. Kautilyeeyam : Economics, Sociology, Political Sciences, Social Work & Management Sciences
- 5. Dhanvantareeyam : Health, Modern Medicine, Ayurveda, Siddha, Unani & Indian Systems of Medicine
- 6. Parashareeyam : Agriculture, Sericulture, Horticulture, Forestry, Veterinary, Animal & Fisheries Sciences
- 7. Vasundareeyam : Earth Sciences, Environmental Sciences, Cosmology & Ecology
- 8. Nagarjuneeyam : Chemical, Biological & Material Sciences
- 9. Bhaskareeyam : Physical, Mathematical & Astro Physical Sciences

: Brihadsamhitha, IT, BT, NT, FT & Frontier Sciences.

- 10. Bharadvajeeyam : Civil, Mechanical, Aerospace & Transportation Sciences
 - : Electronics, Electrical, Green Energy & Communication Sciences
- J C Boseeyam
 Varahamihiram

Abstract

 The abstract of the paper, not exceeding one page - A4 size, only in English (Times New Roman, font size - 12) should be sent by e-mail to nwsc23tut@gmail.com. The Registration Form along with Registration Fees should be sent on or before 05th Dec 2023.

Full text

• Full text of the paper, if in English, use Times New Roman Script of font size - 12. If paper is in Kannada use Baraha or Nudi script, of font size - 14. If paper is in Sanskrit use Devanagari script of font size-14. Full text of paper with double line spacing, not exceeding 8 pages, should be sent by e-mail to nwsc23tut@gmail.com on or before 10th Dec 2023.

Instructions

- Please mention the Name of Theme and the title of your Abstract, name of author & co-author/s, complete address along with pin code, e-mail Id and mobile / phone number.
- Your abstract should be only in English, not exceeding one page of A4 size.
- Printed abstract sent with registration form, should also be accompanied with the soft copy (MS-Word format).
- Use PPT slides for presentation of your paper. Display of full text will not be permitted. Please submit your PPT by e-mail : nwsc23tut@gmail.com or in a pen drive at the registration counter for better coordination.
- All abstracts will be printed in the Souvenir. However only those papers, complete in all respects and presented at the Sammelana will be published in the Proceedings Lilavati-14 having ISSN Number, after editorial review.

Award

- The best paper in each of the above 12 Themes would be considered for presenting Best Paper and Young Scientist Award, provided the full text of the paper has been submitted in time and the paper has been presented by the women scientists in the conference.
- The decision of the jury panel consisting of session chairperson, co-chairperson and experts would be final.

Who all can Participate

- Scientists, Teachers, Lecturers, Research scholars, UG/PG Students, NRIs and others.
- Only registered delegates are allowed to present their papers in the National Women's Science Congress.

Important Dates	
Last date for submission of Abstract	05 Dec 2023
Last date for submission of Full text of paper	10 Dec 2023
Last date for Registration for Sammelana	10 Dec 2023

Registration Fee

General Delegate	₹ 1500/-
SVAK Members / Research Scholars / Student/ Tumkur University Faculty & Group Registration	₹ 1000/-
Spot and Late Registration	₹ 1750/-

Organising Committee

President

Capt Ganesh Karnik

President, SVAK

Account Details for Bank Transfer

Name of the Bank	Union Bank of India
Account Name	Swadeshi Vijnana Andolana - Karnataka
Bank A/c No.	520101236299987
Bank Branch	Hebbal-Ganganagar, Bengaluru
IFSC Code	UBIN0920215

You may please	
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for	
online payment	



- Registration fee may be sent by DD drawn in favour of Swadeshi Vijnana Andolana-Karnataka payable at Bengaluru. •
- Online Payment details should be sent by e-mail to : nwsc23tut@gmail.com

Founder



Prof K I Vasu Former Director, CSIR-CECRI Former Prof. IISc, Bengaluru

Chairperson



Dr Y S Gayathri Chairperson Matru Vedike



Prof. Shalini B.R. Department of Botany **Tumkur University**



Prof M Venkateshwaralu Tumkur University Tumakuru



Smt Nahida Zam Zam, KAS Registrar, Tumkur University



Asso. Prof. Dept of Chemistry Department of Kannada, GFC, Tumakuru



Smt Ambika Hulinaykar Sridevi Charitable Trust Tumakuru

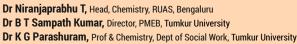




Dr. Geeta Vasant **Tumkur University**



General Secretary, SVAK





Working President, SVAK Former VC, KVAFSU, Bidar





Dr Nagarathna B Vice Chairperson, Matru Vedike



Dr. Jyothi Department of English, **Tumkur University**



Matru Vedike

Vice Presidents

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Dr. Anasuya K V **Dept of Chemistry** GFGC, Tumakuru



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Dr Narayan Gaonkar, Dept of Physics, Tumkur University

Dr Nagaraj Rao M K, Yoga Instructor, Tumakuru

Dr Kavitha B Vice Chairperson,



Dr V Shubha

Vice President, SVAK

Former Distinguished Scientist, CSIR

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Dr Tessy Thomas, DG-DRDO-Aero, Bengaluru

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Thematic Convenors

1. Paanineeyam: Ashtadhyayi, Lingustic Sciences & Humanities

Dr M R Padmaja, HOD, Dept.of Sanskrit, RCASC, Bengaluru; Dr Monbinder Kaur, Asst. Prof. Dept of English, TUT; Smt Dakshayini G, Asst. Prof. Dept of English, TUT

2. Patanjaleeyam: Astanga Yoga, Psycho-spiritual & Philosophical Sciences, Physical Education & Psychology

Smt Shanthala K, Asso. Prof. Dept of Psychology, UCC, Tumakuru; Dr Vanajakshi E, Asst Prof. Dept of Commerce, TUT; Dr Shobha C, Asst Prof. Dept of Commerce, TUT Dr Salma Banu, Asst Prof. Dept of Commerce, TUT

3. Bharateeyam : Natyasastra, Socio-cultural Sciences, Arts & Music

Dr Geetha R, Asst. Prof., Dept. of Sanskrit, BMSCCM, Bengaluru; Dr Jayashree Venkatesh, Apparel Technology & Management, Bangalore University;

Dr Renuka H R, Asst Prof. Dept of Kannada, TUT; Dr Sunitha V Ganigera, Asst Prof. Dept of Sociology, TUT; Dr Ashwini, Asst Prof. Dept of Sociology, TUT

Kautilyeeyam : Economics, Sociology, Political Sciences, Social Work & Management Sciences

Dr Padmini S V, Asst Prof. Dept of Economics, TUT; Dr Pallavi S Kusugal, Asst Prof. Dept of Economics, TUT; Dr Priya Thakur, Asst Prof. Dept of History & Archaeology TUT; Dr Girija K S, Asst Prof. Dept of Political Sciences, TUT; Dr Noor Afza, Prof. Dept of Business Administration, TUT

5. Dhanvantareeyam : Health, Modern Medicine, Ayurveda, Siddha, Unani & Indian System of Medicine

Dr Nirmala Kelmani, Prof & HOD, Dept.of Dravyaguna, SHAMCHRC, Kalaburagi; Dr Pallavi Kiradi, Ayurveda Doctor, Bengaluru

6. Parashareeyam : Agriculture, Sericulture, Horticulture, Forestry, Veterinary, Animal Husbandry & Fisheries Sciences

Dr Rashmi Hosamani, Asst. Prof. Dept of Micorbiology TUT; Smt Shabeena Anjum K, Asst. Prof. Dept of Micorbiology TUT; Dr Ashiya Nuzhath B, Dept of Zoology, TUT

7. Vasundareeyam : Earth Sciences, Environmental Sciences, Cosmology & Ecology

Dr Parimala B, Asst. Prof. Dept of Zoology, TUT; Smt Ashwini Ramesh, Asst Prof Environmental Studies, RCASC, Bluru; Dr Lalitha H M, Asst. Prof. Dept of Zoology, TUT

8. Nagarjuneeyam : Chemical, Biological & Materials Sciences

Dr Nirmala B, Asst. Prof. Dept of Chemistry, TUT; Dr Madavi Sunita, Asst. Prof. Dept of Chemistry, TUT; Dr Lalithambiak H S, Asso. Prof. and HOD, Dept.of Chemistry, SIT,Tumkur; Dr. Bhagyalakshmi, Asst. Prof. Dept of Chemistry, TUT; Dr. Savitha K. R, Dept of Chemistry, TUT; Dr Shashikala A R, Prof & HOD, Chemistry, Presidency University, Blru

9. Bhaskareeyam : Physical, Mathematical & Astro-Physical Sciences

Dr Chandrali Baishya, Asst. Prof. Dept of Mathematics, TUT;

10. Bharadvajeeyam : Civil, Mechanical, Aerospace & Transportation Sciences

Dr Bharathi Ganesh, Prof. & HOD Dept of Civil Engineering, NMIT, Bluru; Dr Jyothilakshmi. R, Asso. Prof., Dept of Mech. Engineering, RIT, Bluru

11. J.C. Boseeyam : Electronics, Energy & Communication Sciences

Dr Shwetha D, Asst. Prof. Dept of Electronics, TUT; Dr Setuselvi, HOD ECE, RIT, Bengaluru; Dr K Indira, Dept of EC, RIT, Bengaluru

12. Varahamihiram: Brihadsamhitha, IT, BT, NT, FT & Frontier Sciences

Dr Poornima D, Asst. Prof. Dept of Biotechnology, TUT; Dr Ramani R, Asst. Prof. Dept of Computer Sciences, TUT; Dr Kusuma Kumari B M, Asst. Prof. Dept of Computer Sciences, TUT; Dr Hemavathi B N, Asst. Prof. Dept of Library & Information Sciences, TUT; Dr Nalini N, Prof. Dept of CS, NMIT, Bengaluru

Address for Correspondence

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