

Organizers: Vijnana Bharati & All India Institute of Ayurveda



Co-Sponsor



# GLOBAL INDIAN YOUNG SCIENTISTS RESEARCH AND INNOVATION CONFERENCE 2023

GI-YSRI 2023, 31 May - 2 June

## Venue

National Agricultural Science Complex - ICAR

124, Dev Prakash Shastri Marg, Krishi Kunj, Inder Puri, New Delhi, Delhi 110012



Location



<https://gistforum.org/GI-YSRIC-Conference>



Register here





## Objectives of the Conference

- ▶ Convene researchers (scientists, postdoctoral and research scholars) and experts to present research findings and share their experiences with fellow professionals.
- ▶ Strengthen the scientific potential of young researchers by identifying emerging trends, new research opportunities, scientific methods & tools.
- ▶ Facilitate interactions and collaborations in synergy with other scientific associations to tackle a wide range of opportunities pertaining to science, industry, and society from local level to global.
- ▶ Build strong associations to promote the dissemination of scientific knowledge and encourage cross-disciplinary dialogues beyond the conference.
- ▶ Foster participants to become beacons in the areas of research they are engaged in.

## Themes for the Conference

### Conference Area Sessions



#### Aahaar Kranti and Immunity

1. Nutrition Based on Indian Knowledge Systems
2. Comparison of Nutrition based on Western Diet and Traditional Diet
3. Importance of Nutrition during Preconception
4. Traditional Foods and Culinary Practices
5. Role of Spices on Overall Health and Immunity
6. Role of Gut Microbiome on Physical and Mental Health
7. Impact of Artificial Food Additives, Colors, and Preservatives on Long-term Health
8. Nutritional Differences between Teenage Boys and Girls



#### Agricultural Sciences

1. Digital Agriculture: Applications of UAV, Sensors, RS, GIS, AI-ML
2. Advancing the Farming Practices: From Chemical to Ecological Farming
3. Food Technologies and Community Wellness
4. Agricultural Education for the Sustainable Development
5. Agricultural Schemes, Policy, and Vision for India 2047



#### Ayurveda

1. Ayurveda for One Health & One Planet
2. Ayurvedic Remedies for Personal Health and Practices for Community Wellness
3. Ayurvedic Practices for Educating the Public on Sustainability
4. Ayurveda and Global Biopharmaceutical Marketplace
5. Ayurveda Schemes, Policy, and Vision for India 2047



# Themes for the Conference...

## Conference Area

## Sessions



### Earth Science

1. Water Resource Management: Water Security, Policy
2. Extreme Event, Climate Change and Adaptation Strategies
3. AI-ML Tools and Techniques in Earth Sciences
4. Earth and Space Science Informatics
5. Big Earth Data for Disaster Risk Reduction, Multi-Hazards



### Engineering

1. AI and ML Tools and Techniques in Engineering
2. Robotics in Engineering and Sciences
3. Nanotechnological Advancement in Engineering Sciences
4. Physical and Mathematical Engineering for the Sustainable Development
5. Social Engineering: Blends of Conventional and Advance Techniques



### Environmental Sciences

1. Environmental Issues, Communities Wellness
2. Environmental Education for the Sustainable Development
3. Advancing Tools & Techniques for Environmental Remedial Measures
4. Green Energy for Environmental Sustainability and Nation Building
5. Stories of Translation Works from Lab to Fields and to Industries



### Life Sciences

1. Innovative Technologies for Biomaterials, Bioenergy and Biopharmaceuticals
2. Plant and Biochemical Methods, Tools, and Technologies
3. Advancing Life Sciences for Holistic Health Development and Sustainability
4. Bio-Nano-Tech: From Concept to Commercialisation
5. Industrial and Environmental Biotechnology for the Sustainable Development



### Translational Research

1. Translational Research in Water and Waste Management
2. Turning Concept of STEM for Rural Development
3. Startups Advancing the Technologies to Real Field Applications
4. Translating Educational Tools and Techniques for Life Changing Stories
5. Linking the Translational Research to Urban Development and Community Wellness





## Who should attend?

The conference welcomes Ph.D. students, post-doctoral fellows, young scientists, and experts from academia, research institutions, and industry.

## Other Participants

- ▶ Dignitaries
- ▶ Invited / Keynote Speakers
- ▶ Sponsors
- ▶ Representatives from Research Organizations and Academic Institutions
- ▶ Industries and Corporations
- ▶ Awardees

## Why to attend?

Global Indian Young Scientists Research And Innovation Conference 2023, being the first of its kind, provides a collaborative forum for young researchers, scientists, and innovators to share their scientific knowledge, develop innovative projects to drive progress in scientific research, and provide a forum to brainstorm ideas on how to promote the sustainable development of the New Bharat.



## About Conference

Scientific innovations have always been a catalyst for bringing social and economic transformation around the world. In the past few decades, even in India, we have seen incredible breakthroughs in Science, Technology, and Innovation on vital emerging research that redefines the current disciplinary boundaries and helps develop integrated concepts for the sustainable development of Bharat. This scientific spark should further ignite and create opportunities for young researchers and scientists to showcase their findings on new research projects, collaborate, and be a contributing force for the development of New Bharat and through it for the betterment of the world.

Global Indian Scientist and Technocrats Forum (GIST) is organizing the first ever "Global Indian Young Scientists Research and Innovation Conference 2023" which aims to play a significant role to deliver the above by bringing young minds from various scientific disciplines. They will showcase their scientific findings, contributions, and innovations to fellow researchers, experts in the domains (from National research organizations and such institutions), and to the public, keeping sustainable development of New Bharat in focus.

**Theme:** Foster, nurture, and cultivate young Indian scientists to keep sustainable development in focus and to become next-generation leaders with discipline for taking Bharat to newer heights.

Global Indian Scientist and Technocrats Forum will also be inviting nominations of individuals that are "**YOUNG RURAL INNOVATORS**" around the country, who have contributed by providing solutions for challenges to society. Out of the nominees, selected ones will be honored with the "**GIST AWARD OF RECOGNITION**" during the conference.





## Mark Your Calendar

Conference Dates : Wednesday, May 31st – Friday, June 2nd, 2023

Abstract Submission Deadline : **Monday, 15th May 2023**

Registration Deadline : **Wednesday, 24th May 2023**

Category	Conference Fee (₹)	GIST Membership (₹)	Conf + Mem (Discount of ₹ 250)
Research Scholar	₹ 500	₹ 500	₹ 750
Post Doctorate	₹ 1,000	₹ 750	₹ 1,500
Scientist / Faculty	₹ 2,000	₹ 1,000	₹ 2,750
General Participant	₹ 2,000	₹ 1,000	₹ 2,750
Industry	₹ 2,000	₹ 5,000	₹ 6,750

## What to Expect?

- ▶ Forum for young researchers to learn from experienced scientists and foster innovation and creativity in scientific research.
- ▶ Foster cross-disciplinary dialogue and collaborations for identifying new research opportunities for post-doctoral fellows and emerging trends for sustainable development.
- ▶ Facilitate interactions and collaborations for synergy among scientists to tackle a wide range of opportunities pertaining to science, industry, and society.
  - ▶ Self-assess the relevance of the research for sustainable development of the country to grow as leaders of the industries in the future.
  - ▶ Facilitate new startups that are deserving and connect them with the right incubators.
  - ▶ GIST could function as a partner with different agencies in India for organizing conferences both at local and international levels on topics of importance.

## Guidelines for Participants

- ▶ Please visit our website for abstract & poster format details
- ▶ Prepare your presentations, both poster and oral, as per the guidelines mentioned.
- ▶ Sufficient breaks will be allocated outside the sessions side-meeting and interactions.
- ▶ Participants are expected to attend the entire session on time and will be provided participation certificates.

### Oral

*Oral or Rocket Presentation will get a total of 15 minutes and it will include the following*

- 1 Min introduction of the Speaker - One slide
- 5 minutes include a problem statement, findings, and their relevance in sustainable development (maximum 5 slides).
  - An accompanying poster could include all other points
- 7-8 minutes for discussions
- 1 Min changeover to the next speaker

### Poster

- The poster must be in the dimensions Horizontal 36" x Vertical 48"

*A detailed program and logistics note for the conference will be provided in due course.*

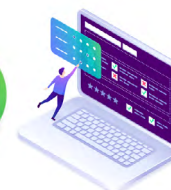
For further information, kindly contact

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Email : [pankaj.gupta@gistforum.org](mailto:pankaj.gupta@gistforum.org)

Online Abstract  
Submission >





## About GIST

Global Indian Scientists & Technocrats Forum (GIST), a visionary organization born under the patronage of Vijnana Bharati (VIBHA), was formed to bring together scientists and technocrats from the Indian diaspora across the world that are subject matter experts. GIST, functioning as a platform, wishes to build the connection with a variety of agencies in India that include National Research Organizations, Departments, NGOs, and with ministries. With India's handsome demographic dividend and domain expertise, GIST partnering with the agencies would create suitable engagement opportunities.

## Vijnana Bharati

India faces critical challenges as a nation in its march towards a welfare state. Considering the nature of the challenges which are so unique, only rapid strides in the sector of science and technology, in resonance with India's heritage can meet those challenges. In this context Vijnana Bharati, a science movement with swadeshi spirit has a greater role to play.

Swadeshi Science Movement was started in Indian Institute of Science - (Bengaluru) by some eminent scientists under the guidance of Prof K I Vasu. This movement gradually gained momentum and emerged as an organization with national presence. In 1991 (Oct 20-21) it was decided, at the Nagpur meet on 21-22nd October, 1991, to launch the Swadeshi Science Movement at all India level with the name as Vijnana Bharati.

Vijana Bharati, based on its foundation principle, is evolved gradually as a interlinking:

- Vibrant movement for the development of Swadeshi Sciences
- Dynamic Science Movement with a Swadeshi Spirit, interlinking traditional and modern sciences on the one hand, and natural and spiritual sciences on the other hand
  - Swadeshi Movement with modern sciences adapted to national needs.
  - Vijnana Bharati, popularly known as VIBHA, has presently 38 Prant Units across the country, apart from units at district, university and institute level. The organization also runs significant Initiatives and National Level Programs that is focused at the greater good. You can find the details of the above-mentioned in the next page.





## INDEPENDENT ENTITIES

- Shakti
- World Ayurveda Foundation
- National Ayurveda Student & Youth Association
- International Institute of Waste Management
- VibhaVani (VIBHA Association of NGOs, India)
- Aryavarta Vigyan Abhyudaya Foundation
- National Environment & Energy Development Mission



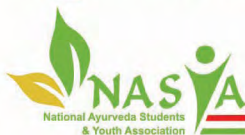
## INITIATIVES

- Igniting Minds
- Tech for Seva
- World Ocean Science Congress
- Technical Education Augmentation Mission
- Global Indian Scientists and Technocrats
- Learn In India
- Science India
- Industries, Innovators, Entrepreneurs, Facilitators & Academia
- Aahaar Kranti
- Shiksha Shilpi



## NATIONAL LEVEL PROGRAMS

- Vidyarathi Vigyan Manthan
- Bhartiya Vigyan Sammelan
- Viswa Veda Vigyan Sammelan
- India International Science Festival



## Patrons

- Prof. ShankarRao Tatwawadi
- Dr. Vijay Bhatkar
- Shri. Jayantrao Sahasrabudhe
- Dr. Shekhar Mande

## Advisory Committee

- Shri Praveen Ramdas
- Prof. Ranjana Aggarwal
- Prof. Tanuja Nesari
  - Prof. P. V. Vara Prasad
  - Dr. Vineeta Bendale
  - Dr. Sudhir Bhadauriya
- Shri Vivekanand Pai
- Dr. G G Gangadharan
- Dr. Punit Mishra
- Dr Arvind Ranade
- Shri Krunal Joshi
- Amb. Taranjit Singh Sandhu

## Sponsors

- Ministry of Ayush
  - Prof. Himanshu Pathak
  - Dr. Rohit Sane
  - Dr. A K Singh
  - Prof. Anil Sahasrabudhe
  - Dr. N Kalaiselvi
  - Dr. Srivari Chandrashekar
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  - Shri. Sunil Sathe
  - Shri. Balram Kumar
  - Shri. V M Kwatra
  - Prof. Venugopal Achanta
  - Prof. T G Sitaram
- Secretary, Ministry of Ayush*  
*Secretary, Dept of Agriculture*  
*Research and Education, and*  
*Director General - ICAR*  
*Madhav Baug*  
*Director, ICAR - IARI*  
*Chairman - NEFC*  
*Secretary - DSIR, DG - CSIR*  
*Secretary - DST*  
*Secretary - DBT*  
*President - INSA*  
*DG-RIS (MEA)*  
*Chairman and CEO - TJSB*  
*PS to Minister*  
*Secretary, MEA*  
*Director NPL*  
*Chairman - AICTE*

## Convenors

- Dr. Yelloji-Rao Mirajkar, *International Convenor GIST Forum*
- Dr. Rajnish Chaturvedi, *Convenor, GI-YSRI Conference*

# Gallery



1. At World Ocean-Science Congress, Feb 2019  
 2. GIST, USA Team attending first ever India International Festival, Kolkata, 2019  
 3. With Shri Sunil Sathe, MD TJSB Bank  
 4. With Prof Ranjana Aggarwal, Director-NIScPR  
 5. With Hon. Smriti Irani, Minister-WCD

6. With Vaidya Sagar Bhide and Dr. Siddharth Vyas  
 7. Invited talk at DY Patil Ayurveda and Medical College, Pune  
 8. With Dr. Shekhar Mande (Ex-DG-CSIR) and Prof. Anil Sahasrabudhe (Chairman-NETF, Ex Chairman-AICTE)  
 9. & 10. This is the first MoU GIST signed with Karnataka State Rural Development and Panchayat Raj University