



# BHARATIYA VIGYAN SAMMELAN

भारत का विकास भारतीय मूल्यों  
और नवप्रवर्तन के साथ ।

Development of Bharat with  
Bhartiya Values and Innovation

21 - 24 DECEMBER 2023  
SCIENCE CITY,  
AHMEDABAD, GUJARAT

# CONFERENCE

NATIONAL  
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BVS | 2023



# Introduction

Bharatiya Vigyan Sammelan (BVS) is a flagship program of Vijnana Bharati initiated as a vehicle to reach the masses in the pursuit of popularizing science and technology and to facilitate interactions within common people and scientific fraternity.

BVS is a conglomeration of scientist, artisans, technocrats, traditional innovators, students and common people planned once in two years. It has become an excellent platform to bring together whoever contributes to science and has become a new definition and identity in the field of scientific seminars and symposiums.

To date, Five Bharatiya Vigyan Sammelans have taken place starting from Bhopal (2007), Indore (2009), Jalandhar (2012), Panaji (2015), and Pune (2017).

The 6th Bharatiya Vigyan Sammelan and Expo is being jointly organized by Vijnana Bharati, Government of Gujarat at Science City, Ahmedabad from 21st to 24th December, 2023.

# Objectives

- Explore avenues for deeper scientific interaction between traditional practices / techniques and modern sciences to improve the understanding and effectiveness.
- Showcase contemporary Indian scientific contributions to the society.
- Promote development and communication of Science through regional languages.
- Showcase grass root innovations made by artisans from different domains, farmers, fishermen and so.
- Explore feasibility of using traditional science and technology to resolve contemporary issues.

# Focal Theme

The focal theme of the Sammelan is **भारत का विकास भारतीय मूल्यों और नवप्रवर्तन के साथ**।  
“A new integral vision for development” with an BVS is an integrative platform which will provide an excellent opportunity to showcase our Indian traditional practices, grassroot innovations along with the contributions made by researchers and scientists in modern

BVS aims to provide a channel of communication between traditional and modern sciences with the prospects of communicating in any Bharatiya regional language and not restricting to only English as the preferred language for scientific expression.

BVS wants to champion the cause of Bharatiya Heritage with cordial synthesis of natural and spiritual sciences; and to motivate young scientists towards greater creativity and originality.





## Scope of the Sammelan and Call for Abstracts

The Scope of BVS 2023 covers invited talks, panel discussions, presentation of research papers both orally and through posters in any Indian regional language or in English forth is Sammelan. We invite scientists, researchers, academicians, technocrats, grass root innovators, farmers, artisans and students who wish to publically share their scientific innovations which have potential to provide sustainable solutions for our country's problems.

### **BVS 2023 invites abstracts for presentation on the following broad areas and sub themes:**

- Agricultural Science : Sustainability, Indian Traditional Farming, Cow Dependency Agriculture
- Environmental Science(Paryavaran Vigyan): Climate Change, Environmental Pollution, Concept of Panchmahabhut, Earth Science
- Green Energy Green Future
- Indian Knowledge System
- Life Science:
- Traditional Built Science Environment
- Traditional Indian Health Practices : Ayurveda, Siddha, Yoga and others local Traditional
- Vasatu evam Sthapathya Vigyan Punji
- Bhartiya Ganit Shashtra And Jyotirvigyan
- Innovation and Technology for Public Safety : Fire, Electrical , Road
- Science Heritage Tourism
- Grass Root Innovation
- Science in Indian Music and Arts
- Science, Technology and Society
- Emerging Science and Technology
- Bhasha Vigyan

Sr. No.	Particulars	Date
1	Last Date of abstract/poster submission	20 Nov 2023
2	Acceptance by abstract/poster	24 Nov 2023
3	Submission of Full length papers (For selected oral presentations only)/Final Poster	05 Dec 2023
4	Last Date of Registration (Exhibition, Science Magic Show, Indian Science Film Festival, Culture Program Etc..)	20 Dec 2023



## Themes

### Agricultural Science (Krushi Vigyan)

Sustainable agriculture is to meet society's food and textile needs in the present without compromising the ability of future generations to meet their own needs. It involves preventing adverse effects to soil, water, biodiversity, surrounding or downstream resources as well as to those working or living on the farm or in neighboring areas. Elements of sustainable agriculture can include permaculture, agroforestry, mixed farming, multiple cropping, and crop rotation. Scope of this theme includes : Agricultural Sustainability, Indian Traditional Farming, Cow Dependency Agriculture etc.

### Environmental Science (Paryavaran Vigyan)

This theme describes climate change due to increase in global temperature and its effects on Earth's climate system. Climate change in a broader sense also includes previous long-term changes to Earth's climate. Researchers suggest that the most crucial research needs of the coming decades can be captured in crosscutting research themes like sea level rise, agriculture, human health, national security, or other topics of concern. Under this theme we will accept the abstracts falling under the Climate Change, Environmental Pollution, Concept of Panchmahabhut, Earth Science etc.

### Green Energy Green Future

Green energy provides real benefits for the environment since the power comes from natural resources such as sunlight, wind and water. Green energy looks set to be part of the future of the world, offering a cleaner alternative to many of today's energy sources. Readily replenished, these energy sources are not just good for the environment but are also leading to job creation and look set to become economically viable as developments continue.

# Indian Knowledge System

India has always been scientifically advanced from ancient to contemporary times. Many famous scientists of India who contributed to that advancement of India. Evidence of this can be found in various historic Indian texts and manuscripts. The Indian Culture has been the torch bearer in practicing and implementing Science as the way of life. Some of the greatest scientists of the mankind our ancient sages envisaged importance of science and inculcated it deep into our cultural practices. Such scientific practices amalgamated with our cultural beliefs helps us lead a happy, peaceful and contented lives.

## Life Sciences

Life Sciences is the scientific study of living things. It involves many levels of investigation: from the study of the interactions of organic molecules to the interactions of animals and plants with their environment. A few of the major sciences included in this category are zoology, botany, marine biology, microbiology, and entomology.



# Traditional Built Science Environment

India is one of the oldest surviving civilizations of the world with her unique integral science knowledge mediating symbiotic relationship with nature, culture and humankind. This is possible because of her unique traditional design science heritage intertwined and evolved through centuries of refinement. This theme invites contributions from scholars focusing on traditional design science principles as manifested in the tangible and intangible artefacts of everyday living environment, that have relevance across a space-time continuum.

## Traditional Indian Health Practices

Ayurveda, Siddha, Yoga, Homeopathy, Naturopathy and Unani are branches of the same great tree of Vedic knowledge that encompasses all human life and the entire universe. In this classical Vedic scheme, Ayurveda is the Vedic system developed specifically for healing purposes. There is no other Vedic system of healing apart from Ayurveda. Yoga is the Vedic system of spiritual practices or sadhana. All vedic sadhana or spiritual practice involves some form of Yoga practice.







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## Bharatiya Ganit Shashtra, Jyotirvigyan

Astronomy is a natural science that studies celestial objects and phenomena. It uses mathematics, physics, and chemistry in order to explain their origin and evolution. Objects of interest include planets, moons, stars, nebulae, galaxies, meteoroid, asteroid, and comets. Relevant phenomena include supernova explosions, gamma ray bursts, quasars, blazars, pulsars, and cosmic microwave background radiation. More generally, astronomy studies everything that originates beyond Earth's atmosphere.

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## Vastu evam Sthapathya Vigyan ( Archeology and Architecture)

Archaeology is the study of the material remains of generations past. Ranging from the discovery of stone tools made by early humans to the discovery of palaces and cathedrals, archaeological investigations have played a central role in shaping our understanding of how we see the world. Linking to the architectural field, archaeology also examines the construction techniques of buildings, however, the link to architecture is not only limited to that. Archaeology, like architecture, examines the ways in which past societies were organized, and how they transformed the topography and landscape.



## Innovation and Technology for Public Safety

For safety professionals, technology is still a versatile tool that can be used to save time, reduce costs, and keep workers safe. Together, technology and safety procedures allow safety professionals to effectively manage and track their safety initiatives and those of their coworkers or employees. It includes workplace safety, educational institute safety, domestic safety, industrial safety, road safety and other.

## Science Heritage Tourism

Science tourism is a travel topic grouping scientific attractions. It covers interests in visiting and exploring scientific landmarks, including museums, laboratories, observatories and universities. It also includes visits to see events of scientific interest, such as solar eclipses.

## Grass Root Innovation

Grassroots innovation is a community-based approach for sustainable development implemented after understanding and analyzing the ground reality.

Grassroots innovators are part of a network that is driven by a bottom-up strategy rather than a top-down approach for finding solutions to various local problems and ensuring sustainable development.

# Science in Indian Music and Arts

Music is both an art and a science, and music and science are closely related. Both use mathematical principles and logic, blended with creative thinking and inspiration to arrive at conclusions that are both enlightening and inspirational. It could be said that Science is the music of the intellect, and Music is the science of the heart.

## Science Technology and Society

Peace engineers work on projects such as developing energy and water resources, bringing technology to areas of conflict or natural disaster, advocating for public safety in engineering decisions and implementing agricultural tools to fight poverty and hunger.



# Emerging Trends in Science and Technology

The importance of nanotechnology in Indian Swadesi (indigenous) science started evolving from the ancient era and is still evolving with modern science. Nanotechnology offers an incredible opportunity for India to develop cutting-edge solutions tailored to its unique needs and challenges. By investing in indigenous nanotechnology research and development, India is fostering innovation, create job opportunities, and strengthen its self-reliance in key sectors. Swadesi nanotechnology is potentially revolutionizing healthcare delivery, agriculture practices, energy generation, and environmental sustainability. It is enabling India to leverage its vast scientific and technological expertise to address national priorities and promote inclusive growth. Furthermore, by developing indigenous nanotechnology capabilities, India is reducing its dependence on foreign technologies, enhance national security, and foster a culture of scientific excellence. The integration of nanotechnology into Swadesi nanoscience is also contributing for paving the way for India to become a global leader in this transformative field, making significant contributions to both scientific advancement and socio-economic development.

## Bhasha Vigyan

Bhasha Vigyan or Linguistics is the scientific study of language. Under this theme we invite the abstracts on various aspects of human language, including sounds (phonetics, phonology), words (morphology), sentences (syntax), and meaning (semantics). It can involve looking at how languages change over time (historical linguistics); scientific basis on Indian languages, how language varies from situation to situation, group to group, and place to place (sociolinguistics, dialectology); how people use language in context (pragmatics, discourse analysis); how to model aspects of language (computational linguistics); how people acquire or learn language (language acquisition); and how people process language (psycholinguistics, experimental linguistics).

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## Registration Charges

Sr. No.	Particulars	Amount
1.	Individual delegates	2000/-
2.	Delegates (Member of Vijnana Bharti and its organization)	1000/-
3.	Students (NON-MEMBER)	500/-
4.	Students (Member of Vijnana bharti and its Organization)	300/-
5.	Institute Delegates (Per Institute One Person)	4000/-

## Bank Details

Name of Account	Vijnana Bharati - Bhartiya Vigyan Sammelan
Name of Bank	Axis Bank
Branch Name	Sargasan Cross GHR GJ
Account Number	923010038337168
IFSC Code	UTIB0004377



**VIGYAN GURJARI**

MID: 037322043770045 TID: 28574782  
ME Helpdesk: 18602332332 / 022-40426060



# Organizer

## **Vijnana Bharati**

Vijnana Bharati is a nationalistic, patriotic, and humanistic science movement where science involving both engineering and technology is aimed at societal development, social harmony, ecological balance and environmental sanctity. It is the largest people's science movement in India. From its ideological seeds as Swadeshi Science Movement of Bharat, where Swadeshi connotes the Bhartiya world view on Science where from a single framework, all the three knowledge systems, such as natural sciences, social sciences and spiritual sciences have been developed integrally, holistically and all inclusively. Vijnana Bharati was launched in 1991 and as of the day the network is spread in 27 prant units in India & and has presence in 7 countries abroad. It has nine initiatives and seven entities. More information is available on [www.vibhaindia.org](http://www.vibhaindia.org)

## **Government of Gujarat**

The Land of the Legends stands bordered by Pakistan and Rajasthan in the northeast, Madhya Pradesh in the east, and Maharashtra and the Union territories of Diu, Daman, Dadra and Nagar Haveli in the south. The Arabian Sea borders the state both to the west and the southwest. Gujarat have ancient science infrastructure like Modhera Sun Temple, Dholavira, Lothal, Rani ki Vav etc.

## **National Innovation Foundation**

The National Innovation Foundation (NIF) – India, is India's national initiative to strengthen the grassroots technological innovations and outstanding traditional knowledge. Its mission is to help India become a creative and knowledge-based society by expanding policy and institutional space for grassroots technological innovators.

## **CSIR-NIScPR**

CSIR-National Institute of Science Communication and Policy Research (CSIR-NIScPR), New Delhi came into existence on 01-04-2021 with the merger of erstwhile CSIR-National Institute of Science Communication and Information Resources (CSIR-NISCAIR), New Delhi and erstwhile CSIR-National Institute of Science, Technology and Development Studies (CSIR-NISTADS), New Delhi vide CSIR OM No. 5-1(762)/2021-PD Dated 28-05-2021.



## BVS TEAM

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**Shri Bhupendra Patel**

Hon'ble Chief Minister, Government of Gujarat

## Patron



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Government of Gujarat



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**Dr. Shekhar Mande**  
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General Coordinator

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Executive Director. Sal Education

**Dr. Indrajit Patel**, Principal. BVM. V.V Nagar

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Convener: **Prof. Nikesh Shah**,  
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Co -Convener: **Dr. Sweta Shah** - 99798 84434  
and **Dr. Paras Uchat** - 98244 34459

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Dr. Vijaykumar Gadhavi

Dr. Hiteshbhai Patel

## Contact Us

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Event Website: [bvsvb.org.in](http://bvsvb.org.in)



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