



स्वतंत्रता का अमृत महोत्सव



Madhya Pradesh Vigyan Sammelan & Expo (MPVS - 2021)

“Swatantrata Ka Amrit Mahotsav”
Indian Science and Scientist's Contributions in Swatantrata Sangram

Focal Theme

Collaborative Ecosystem of Traditional & Modern Science for
Vikashit Pradesh - Aatmanirbhar Desh

December 11 - 13, 2021
IIT Indore, Madhya Pradesh





VIGYAN BHARATI (VIBHA)

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 Vigyan 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 a few 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) at the Nagpur Meet, it was decided to launch the Swadeshi Science Movement at all India Level and named it Vigyan Bharati.

The foundation principle of VIBHA is made as a vibrant movement for the development of Swadeshi Sciences. As a 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

As a Swadeshi Movement with modern sciences adapted to national needs. Vigyan Bharati has units across the country and works in different areas through autonomous institutions and independent organizations & also as project entities.

www.vigyanbhartimp.in



INDIAN INSTITUTE OF TECHNOLOGY INDORE

In keeping with India's vision to become a world leader in Science and Technology and to usher in a new revolution, resulting in an unprecedented economic growth, Government of India reassessed the need of technical manpower and decided to set up eight new IITs. Six of them started functioning back from the academic year 2008-09. These were established at Hyderabad, Gandhinagar, Rajasthan, Ropar, Patna and Bhubaneswar. IIT Indore and IIT Mandi started functioning from July 2009.

IIT Indore focuses on research-oriented studies which puts the foundation for better tomorrow. Along with studies, IIT Indore also focuses on resolving social, economical, biological issues prevailing in the country. IIT Indore, ranked 10th in Engineering Category by National Institutional Ranking Framework (NIRF), Ministry of HRD (now Ministry of Education), Govt. of India, has seen phenomenal success in the first decade of its existence. The Institute has been leading in the number of citations and h-index amongst the second generation of IITs.

The Institute has world class research laboratories, infrastructure, and facilities. Apart from research and academic activities, the Institute has done phenomenal work in social outreach too.

www.iiti.ac.in



M.P. COUNCIL OF SCIENCE & TECHNOLOGY (MPCST), GOVT. OF MP

M.P. Council of Science & Technology was established under the MP Society Registration Act, 1973 in October 1981. The Apex Body of the Council is the General Body and the Chief Minister is the President of the General Body. There are 61 Members consisting of Ministers and Secretaries of different State Departments and Heads of the Departments of Water Resources, PHE, PWD, Forest, Agriculture, Industry and Technical Education. In addition, 4 Vice-chancellors from Universities, Eminent Scientists in Science, Sociology and Medical Sciences are nominated as Members by the President. Representatives from National Level Research Organizations are also nominated. The second important body is the Executive Committee and the Chairman is the Minister of Science & Technology Department. The Committee consists of 13 Members, consisting of MLA, Educationist, Scientist and Principal Secretaries etc.

www.mpcost.gov.in

MADHYA PRADESH VIGYAN SAMMELAN & EXPO (MPVS - 2021)

Vision: "Self-Reliance Madhya Pradesh in Science and Technology"

Mission: Honorable Chief Minister of Madhya Pradesh, acknowledging the circumstances, has rightfully given a clarion call for 'Atmanirbhar Madhya Pradesh' under the umbrella of our Prime Minister; vision 'Atmanirbhar Bharat' – *a self-reliant India*. The role of Science and Technology are important for the overall prosperity of any developing economy. India being a developing country needs to make concerted efforts towards the goal of transforming itself into a developed nation.

The Madhya Pradesh Vigyan Sammelan & Expo **MPVS-2021** which is scheduled to be organized on December 11 - 13, 2021 in collaboration with Vignana Bharati and MP Council of Science and Technology at Indian Institute of Technology Indore will be a small step towards the contribution in Science and Technology of Madhya Pradesh as a Vikashit Pradesh for Atmanirbhar Desh.

The MPVS-2021 is a Indian Science and Scientist's Contributions in Swatantrata Sangram "Swatantrata Ka Amrit Mahotsav".

Objectives and Takeaways: The aim of this Sammelan is to bring artisans, academicians, scientists, researchers, innovators, technocrats, school children and industry practitioners together to exchange their traditional and modern science ideas in a single umbrella to cherish the fruitful outcome of Sammelan.

The main objective of the first MPVS-2021 is to promote the traditional and modern sciences of Madhya Pradesh among the common people to strengthen their lifestyle and economy. The expo of traditional and modern science and technology of Madhya Pradesh will certainly ignite the minds of the participants across the country for undertaking more interdisciplinary and effective collaborative engagement across the individuals and organizations.

The keynote and invited talks; paper and poster presentation; round table discussion for possible collaboration; science and technology exhibition; funding and mentor ship for entrepreneurs; career opportunities for talented minds; science education and several others will be major highlights of Sammelan.

Focal Theme: "Collaborative Ecosystem of Traditional and Modern Sciences for Vikashit Pradesh - Aatmanirbhar Desh".

SESSIONS

1. Science Policy and Administration

State and national governments are working on war footing to find solutions for complex problems such as sustainability, health, quality of life, sanitation, poverty, etc. Focused scientific and technological interventions help policymakers to address these problems more effectively. Thus, Science Policy is a bridge that connects the government and the public. The Science Policy is concerned with the identification of priority areas considering local needs, allocation of resources for the conduct of science towards achieving these goals, and efficient administration for making sure that the fruits of these efforts reach the needy strata of the society. The session will include diverse topics including the funding of science, the careers of scientists, the identification of bottlenecks in creating a professional Scientific System, exploration of alternative administrative models, and the translation of scientific discoveries into technological innovation to promote a commercial product development, competitiveness, economic growth, and economic development, ensuring a developed Madhya Pradesh and Self-reliant India.



Coordinators:

Dr. Prashant Kodgire, IIT Indore Dr. Pankaj Sagdeo, IIT Indore Dr. Rakesh Kumar Arya, MPCST, Govt. of MP Dr. Ashok Sharma, VIBHA (Email: mpvs.spa@gmail.com)

2. Indian Knowledge Systems

Description: India has a very rich scientific heritage. Much of the knowledge is in the forms of manuscripts, oral traditions, and practices handed pre-served by generations of scholars, artisans, and practitioners of traditional arts. This session will bring together experts from various Indian Knowledge Systems to promote awareness and generate interest in the students, scientists, and general public about the Indian Scientific Knowledge Systems. Experts with deep knowledge of the Indian Knowledge Systems will be sharing their insights and knowledge with the audience.



Dedicated sessions will showcase the works of various traditional Indian practices related to metallurgy, sustainable construction practices, water harvesting, agriculture and traditional medicine. A special session will be organized to discuss the relevance and importance of the Indian Knowledge Systems in the context of modern science and current challenges faced by the nation and the world.

Coordinators:

Dr. G.S. Murthy, IIT Indore Dr. Pritee Sharma, IIT Indore Dr. Rajesh Sharma, MPCST, Govt. of MP Dr. M.M.P. Shrivastava, VIBHA Dr. Venkatesh Raman, VIBHA

(Email: mpvs.iks@gmail.com)

3. Agricultural, Agritech, Biodiversity, Conservation and Traditional Knowledge:

Food security is the first expression of a self-reliant nation. Agriculture in India is at a crossroads where the need for maintaining food security while preserving the constrained natural resources requires innovative out of box thinking that blends the latest advances in engineering and sciences with traditional wisdom of India. This session will provide a platform for bringing together diverse stakeholders such as farmers, academia, research, industry, and policy makers to brainstorm on the current status and future directions of agriculture, technology and policy innovations in agricultural technologies, conservation practices, biodiversity preservation and ensuring ecosystem-services.



Coordinators:

Dr. Abhijeet Joshi, IIT Indore Dr. Bibekanada Maji IIT Indore Dr. G. D. Bairagi, MPCST Dr. Sunil Chaturvedi, VIBHA (Email: mpvs.agri@gmail.com)

4. Sustainable Habitat, Energy, Climate Change & Environment:

Self-reliance and Energy are two faces of the same coin for sustainable growth and development of any country. In meeting the energy demands, the world is facing two major challenges: 'Energy Security' and 'Environmental Impact', and it has been widely accepted that the solution for both is "Sustainable Practices". The sustainable habitat, energy, climate change and environment meeting will therefore focus on sustainable practices, particularly from the point of view of the rural community. The scientific & technological developments in this domain will be discussed and deliberated which the state will need in the coming days to establish its footprint in the sustainable economy.



Coordinators:

Dr. Sandeep Chaudhary, IIT Indore Dr. Pritee Sharma, IIT Indore Dr. Sakshi Bhardwaj, VIBHA Dr. Manoj Rathore, MPCST Dr. Amogh Gupta, VIBHA Dr. Manita Saxena, VIBHA

(Email: mpvs.hecc@gmail.com)

5. Astronomy:

Astronomy in Madhya Pradesh, especially Ujjain has its own history in Space Engineering & Technology, particularly time calculation in old age. The fusion of traditional and modern scientific knowledge will help us to strengthen Madhya Pradesh in Astronomy. The session will provide an opportunity to the participants to aware them of the rich history of Astronomy in Madhya Pradesh.



Coordinators:

Dr. Abhirup Dutta, IIT Indore Dr. Ranveer Singh, IIT Indore Dr. Bhupesh Saxena, MPCST Dr. Akhilesh Tiwari, VIBHA (Email: mpvs.astro@gmail.com)

6. Science Education Meet:

Science is everywhere. Science Education is a prime tool for the development of any nation, and it will have more impact on the state like Madhya Pradesh to drive its economy in the coming years. The prime goal of Science Education Meet for Schools Students and Teachers is to make students and teachers familiar with the latest teaching-learning tools and resources relevant to India and MP. This meet will focus on how to encourage scientific inquiry and critical thinking among school children and the necessity to train our teachers accordingly. This meet will also cover the importance of ethics and moral values in school children for their bright future. Students and teachers will be informed of the fascinating professional career in frontier areas of Science & Technology.



Coordinators:

Dr. Vinod Kumar, IIT Indore Dr. Harikrishna Yadav, IIT Indore Dr. Rajesh Kumar, IIT Indore Dr. T. Habib, MPCST Dr. Rajneesh Trivedi, VIBHA

(Email: mpvs.sem@gmail.com)

7. Industry-Academia and Career Opportunity:

Efficient and regular interaction among Industry partners and academic organizations, and R&D Labs used to be the backbone of scientific and technological growth in developed countries. Unfortunately, in a country like India, it is lacking. The academic curriculum and the active participation of Industry partners in our teaching and research may boost the Indian Educational System and may lead the new economy globally. In this session, the participants will interact with renowned Industry and academic partners followed by a panel discussion. The session will also provide an opportunity to explore the career opportunity of our students.



Coordinators:

Dr. Abhishek Rajput, IIT Indore Dr. Chandresh Kumar Maurya IIT Indore Dr. Mukesh Kumar, IIT Indore Dr. P. K. Digharra, MPCST Shri Manish Shah, VIBHA

(Email: mpvs.iaco@gmail.com)

8. Invention, Innovation and Start-up:

Invention, Innovation and Start-up Meet is intended to provide a common platform for Start-ups to showcase themselves and also interact with various stakeholders from policymakers to innovators, students and researchers. Several sessions are proposed to be organized as part of this session with themes ranging from – Enabling Start-up Ecosystem, Accelerating Technology Entrepreneurship, Propelling Ideation and



Incubation, and frugal innovation. The speakers and experts for these sessions will be from Start-up ecosystems. Experts from across the country from different domains are expected to participate.

Coordinators:

Dr. Avinash Sonawane, IIT Indore Dr. Swaminathan R. IIT Indore Dr. Saroj Bokil, MPCST Dr. Arpan Bhardwaj, VIBHA (Email: mpvs.iis@gmail.com)

9. Copyright, Trademark, and Intellectual Property Right:

Innovation is a constant source of growth and development for a knowledge economy. India has a rich heritage of scientific and technological inventions. In modern times, such inventions are protected using different means under the umbrella term of intellectual property rights (IPRs). India has made headways to create a TRIPS compliant, robust, and dynamic IPR regime. Apart from protecting recent technological inventions, the focus of policymakers is also to safeguard Indian traditional knowledge, arts, and local products for better commercialization opportunities.

During the sessions, we will create awareness among students and faculty members about the different types of IPRs. Next, we will examine and understand the role of IPRs in promoting technological growth in a country. A special session will focus on the ways through which IPRs can help in protecting the traditional knowledge while creating better marketing opportunities for local products.

Coordinators:

Dr. Ruchi Sharma, IIT Indore Dr. Ram Sajeewan Maurya, IIT Indore Dr. N.K. Choubey, MPCST Dr. Jitendra Bhawsar, VIBHA (Email: mpvs.ipr@gmail.com)

10. MP Vigyan Paryatan:

Being situated in the center of the country, Madhya Pradesh is also called the "heart of India" or "heartland", which attracts tourists because of its several historical monuments, temples, forts, and palaces. Traveling to Madhya Pradesh will be nothing short of a dream for any tourist as there are several National Parks and Wildlife Centuries in which many endangered species of flora and fauna are also found. The state has three World Heritage Sites; Sanchi, Bhimbetka and Khajuraho. The scientific approach for developing the above Paryatan sites will be of great importance in the modern age. The session will provide talks and discussion about our scientific driven old heritage site.

Coordinators:

Dr. Chelvam Venkatesh, IIT Indore Dr. Mrigendra Dubey, IIT Indore Dr. J.P. Shukla, AMPRI Bhopal Shri P.S. Bhalla, MPCST Dr. Pramod Sathia, VIBHA

(Email: mpvs.vp@gmail.com)



11. Traditional and Modern Healthcare:

Traditional Healthcare is an important and often underestimated health resource with many applications, especially in the prevention and management of lifestyle-related chronic diseases, and in meeting the health needs of ageing populations. However, in the recent past in traditional healthcare it was on highest priority at least in India to deal with the Covid-19 infections. Madhya Pradesh being a very rich state in Traditional Medicine Practices, the session will bring a platform to understand its value even in the modern era. However, the fusion of traditional and modern healthcare will set another important role in our lifestyle. In this session, the participants will interact with Ayurveda Doctors for Prakriti Parikshan (nature of a person). Furthermore, the session will be highly important to deal with the Modern Healthcare System in this era.

Coordinators:

Dr. Amit Kumar, IIT Indore Dr. Parimal Kar IIT Indore Dr. Rajesh Sharma, MPCST Dr. Rajesh Sharma, DAVV Indore Dr. Prashant Tiwari, VIBHA

(Email: mpvs.healthcare@gmail.com)



12. New Age Technologies:

The technological advancements have changed our everyday life. Quantum Computing, Cloud Computing, Robotics and Process Automation, Data Science, AR, MR & VR, AI, IoT and Smart Cities are some major facets of New Age Technologies. The New Age Technology Show will showcase technology development in the various cutting-edge areas.

Coordinators:

Prof. Ram Bilas Pachori, IIT Dr. Somnath Dey, IIT Indore Dr. Ravi Sindal, IET Prof. Aprurv Gaikwad, SGSITS Dr. R. K. Garg, MPCST Dr. Shivlal Mewada, VIBHA,

(Email: mpvs.nat@gmail.com)



13. Global MP Scientists & Technocrats Meet:

An eminent group of Madhya Pradesh based Indian Scientists and Technocrats would be invited for Brainstorming Sessions to know their view to Strengthen the Roadmap of "Atmanirbhar Madhya Pradesh". This meet will provide an opportunity to connect them so that they may contribute to MP's growth through exchange of knowledge, resources etc.

Coordinators:

Dr. Rajeev Dixit, Holkar Science College Dr. Rajneesh Misra IIT Indore Dr. Pavan Kumar Kankar, IIT Indore Dr. Sunil Kumar Garg, MPCST Dr. Krishkant Dhakad, SGSITS

(Email: mpvs.gmpstm@gmail.com)



14. Gender Issue in Science and Technology:

Gender issues in science and technology is a global concern and it is recognized as a drawback of gender imbalance in the growth of any country. One of the pillars for achieving self-reliance in science and technology in Madhya Pradesh would be to accelerate gender equality by including more women in science and technology. The session will provide an opportunity to the participants to discuss the gender issues in science and technology in Madhya Pradesh.



Coordinators:

Dr. Aruna Tiwari, IIT Indore Dr. Nirmala Menon, IIT Indore Dr. Anita Tilwari, MPCST
Dr. Preeti Sharma, VIBHA Dr. Chitralekha Kadel, VIBHA Dr. Priya Trivedi, VIBHA

(Email: mpvs.gist@gmail.com)

15. Traditional Science and Technology in Higher Educational Institutes:

The growth and progress of any country and state depends on the progress in science and technology and its scientific values. It is our old and rich history to work and develop the scientific values in a multidisciplinary approach even in our traditional education system through Ayurveda, Yoga, Siddha, Archeology, Architecture etc. Higher Education is the top priority of the Madhya Pradesh Government. The traditional and modern knowledge in teaching in Madhya Pradesh used to be one of the oldest in the country. The session is expected to bring decision makers, policy makers, curriculum developers, academicians, start-up, Industry practitioners and institutional representatives who can discuss and suggest radical changes to streamline education in MP with the fusion of traditional education with modern education system.



Coordinators:

Dr. Neelima Satyam IIT Indore Dr. Satya S. Bulusu, IIT Indore Dr. Vivek Katare,
MPCST Prof. R. K. Tugnawat, VIBHA Dr. Pradeep Sharma, VIBHA

(Email: mpvs.sthe@gmail.com)

16. Music and Science:

The Indian music has its own values across the globe, and it is evident that the music has both an art and a science. It is high time to investigate the science behind the traditional and modern music. Music is based on mathematics and thus a fusion of Arts and Science. Classical Indian music has recognized which sound can do what, to a mathematical precision. The renowned scientist C. V. Raman was obsessed with the workings of Indian musical instruments like



mridangam and tabla, leading to some seminal work in the area. So, in this session, the participants are expected to explore various aspects of science in music through various means.

Coordinators:

Dr. Girish C. Verma, IIT Indore Dr. Abhinay Singh, IIT Indore Shri D.K. Soni, MPCST
Dr. Abhay Paliwal, MG Medical College Indore Dr. Shailendra Sharma, VIBHA

(Email: mpvs.ms@gmail.com)

17. Sports Science and Technology:

Healthy mind lives in a healthy body. This concept may be more fruitful with the intervention of science and technology in sports, fitness, and health. The fusion of traditional and modern sports science may open a new era of industry vertical with ample job opportunities.



In this session, the participants will get an opportunity to interact with renowned researchers, Innovators, academic experts and Industry professionals. The invited talks, panel discussion and the showcase of traditional and modern science and technology based physical and mental fitness equipment/demonstrable prototype/product are expected to be highlights of the session.

Coordinators:

Dr. Tridib Kumar Sarma, IIT Indore Dr. Lalit Borana, IIT Indore Dr. Deepak Mehata,
DAVV Indore Dr. Ashish Phulkar, LNIPE, Gwalior Dr. Vivek B. Sathe, DAVV Indore

(Email: mpvs.sst@gmail.com)

Renewable Energy

Energy is having critical relationships with the environment, sustainability, and human development. The growth of a common man is largely depending upon the energy resources availability, affordability, and sustainability. Therefore, it is essential to think how will we meet rising energy demands? What are our options? Are there viable long-term solutions for the future? The proposed energy conclave will provide an ideal platform for a forefront discussion and strategic planning to address these issues.

Focused Area: Current Trends in Renewable Energy and Its Future. Waste to Energy, Biofuels & Bioenergy. Solar & Wind Energy: Hybrid Renewable Energy: Energy Storage, Generation and Transmission, Energy Related Policy Matters etc.

You should Join if you are: Researcher and innovator from academia & industry. Looking for collaborative work. Professional of energy related businesses, commercial and manufacturing unit, Company providing renewable energy product and services, Government department and commercial unit, Associations societies, & professional bodies, Funding agencies & fund raisers. Decision and policy makers.

~ ACTIVITIES ~

Expert Lectures, Group Discussion, Collaborative Engagement, Product/Idea Demonstration

~ COORDINATORS & CONTACT ~

Dr. Sunil Kumar,
Dr. Ajay Kumar Kushwaha,
Dr. Srimanta Pakhira
IIT Indore
Shri Deepak Saxena, M.P. Govt.

Fabless & Fab Semiconductor Ecosystem

For Self-Reliant India, Fabless and Fab Semiconductor Ecosystem are expected to play the major role to strengthen the country's economy in coming years. This sector has become a very strategic and has a tremendous economic impact. But India lags behind in semiconductor manufacturing compared to other countries across globe. Recently, country felt the needs to design and manufacture the critical and noncritical components and chips involved in storage and processing, and this is important for our national security. Further, the electronics and semiconductor requirements for various sectors is critical for the future of India's economy, but unfortunately, we are dependent on imports as of now. Further, the fabless semiconductor ecosystem in the country needs to be investigated timely for the growth of Indian economy. Hence, the conclave meets the need of the hours. The participants are expected to gain the entire spectrum to develop the Fabless and Fab Semiconductor Ecosystem in MP and India,

Who can Join: Professionals involved in fab and fabless initiatives in industry/ Government/ Scientists / Professors / Policymakers/ Researchers / Startups / Students / any individual interested in said area.

~ ACTIVITIES ~

Expert Lectures, Group Discussion, Collaborative Engagement, Product/Idea Demonstration

~ COORDINATORS & CONTACT ~

Dr. Santosh Kumar Vishvakarma,
Dr. Ajay Kumar Kushwaha,
Dr. Mukesh Kumar & Dr. Shaibal Mukherjee
IIT Indore

Micro, Small & Medium Enterprise (MSME)

Micro, Small and Medium Enterprise (MSME), introduced by Government of India in agreement with Micro, Small & Medium Enterprises Development (MSMED) Act, 2006 are entities engaged in the production, manufacturing, processing or preservation of goods and commodities. MSME sector is considered as the backbone of Indian economy that has contributed substantially in the socio-economic development of the nation. It generates employment opportunities and works in the development of backward and rural areas. So, it is the demand of time to organize such conclave in Madhya Pradesh also to empower the MSME sectors. The MSME conclave will provide an opportunity to delegates to discuss the various aspects of MSME Initiatives and strategic planning to address the MSME needs.

Who can Join: Professionals involved in MSME Sectors/ Government / Scientists / Professors / Policymakers / Researchers/ Students / any individual interested in MSME sectors.

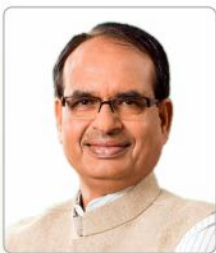
~ ACTIVITIES ~

Expert Lectures, Group Discussion, Collaborative Engagement, Product/Idea Demonstration

~ COORDINATORS & CONTACT ~

Dr. Vimal Bhatia
Dr. Nagendra Kumar
Dr. Jayprakash Murugesan
IIT Indore

CHIEF PATRON



Shri Shivraj Singh Chouhan
Hon'ble Chief Minister, Madhya Pradesh



Shri Dharmendra Pradhan
Hon'ble Union Minister of Education, Skill Development
& Entrepreneurship, Govt. of India



Dr. Jitendra Singh
Hon'ble Union Minister of State Science &
Technology and Earth Science, Govt. of India

PATRON

Shri Omprakash Sakhlecha Hon'ble Cabinet Minister for MSME and Science & Technology, Government of (M.P.)

Dr. Shankar Tatwawadi Patron, Vigyan Bharati

Dr. Vijay P. Bhatkar President, Vigyan Bharati

Prof. Neelesh Kumar Jain Director (Officiating), IIT Indore (M.P.)

MENTORS

Shri Jayant Sahasrabudhe National Organising Secretary, Vigyan Bharati

Prof. Sudhir S. Bhadauria National Secretary General, Vigyan Bharati

Shri Praveen Ramdas National Secretary, Vigyan Bharati

ADVISORY COMMITTEE

Prof. Anil Kothari Director General, MP Council of Science & Technology Govt. of M.P.

Prof. Akhilesh Pandey Vice Chancellor, Vikram University Ujjain, (M.P.)

Prof. Sunil Gupta Vice Chancellor, RGPV, Bhopal (M.P.)

Prof. Renu Jain Vice Chancellor, DAVV Indore (M.P.)

Prof. Rakesh Saxena Director, SGSITS Indore (M.P.)

Dr. N. P. Shukla National Executive Member, Vigyan Bharati & Ex. Chairman, Pollution Control Board (M.P.)

Prof. Pramod K. Verma Professor & Dean, Vikram University, Ujjain, (M.P.) Ex. Chairman, MPCST and President, Vigyan Bharati, Malwa Prant

Prof. Sunita Shrama President, Vigyan Bharati, Mahakaushal Prant

Ar. Amogh Gupta President, Vigyan Bharati, Madhyabharat Prant

Dr. Tripta Thakur, Director General NPTI

ORGANIZING SECRETARIES

Shri Prajatantra Gangele State Organising Secretary, Vigyan Bharati, Malwa Prant

Dr. Praveen Dhingra Senior Scientist, MPCST, Government of (M.P.)

GENERAL SECRETARIES

Dr. Santosh Kumar Vishvakarma Associate Professor & Dean of Student Affairs IIT Indore

Dr. Prashant Kodgire Associate Professor, IIT Indore

SECRETARIES

Dr. Ajay Kumar Kushwaha Assistant Professor and Associate Dean of Student Affairs, IIT Indore

Dr. Vaibhav Neema Assistant Professor, IET - DAVV, Indore

Dr. Rajneesh Trivedi Secretary, Vigyan Bharati, Malwa Prant

Shri Sanjay Kaurav Secretary, Vigyan Bharati, Madhyabharat Prant

MEMBERS

Dr. JP Shukla Sr. Scientist, Ampri Bhopal

Dr. Rajiv Dixit Associate Professor, DAVV, Indore

Dr. MMP Shrivastav Executive Member, Vigyan Bharati, Malwa Prant

Dr. K. Venketa Raman Executive Member, Vigyan Bharati, Malwa Prant

CALL FOR ABSTRACT & TECHNOLOGY

Researchers, Academicians, Students, Professionals and Individuals are invited to submit Abstract & Technology in the above sessions (but not limited to) them:

Important Dates:

- Abstract Submission: October 15, 2021
- Notification of Acceptance: November 05, 2021
- Full Paper Submission*: December 31, 2021

Submission Instruction for Abstract:

Soft copies of abstract should be submitted in single column in PDF format and to be sent on the given email address of a particular session coordinator. The length of paper must not exceed one page of A4 size 210 x 297 mm, portrait. The font should be of "New Times Roman" and size would be 10. The acceptance of the abstract is based on the following factors: The purpose of the work; the manner and degree to which it advances the art; specific new results that have been obtained and their significance. Authors of the accepted abstract will be informed by email. For the author presenting more than one paper, it is mandatory to register and present each paper separately. For submission details, please visit MPVS-2021 webpage <http://www.mpv.s.in>.

*The selected abstract may be invited to submit a full paper and will be intimated time to time.

Submission Instruction for Technology:

Technology can be submitted either in writing (1 page) or in the form of a 5 minute video via email (madhyapradeshvs@gmail.com) Whatsapp No.: 88238 17777.

Those who are not able to write or send their idea over email, may submit their technology on whatsapp with Name, Address and Mobile Number. For submission details, please visit MPVS-2021 webpage <http://www.mpv.s.in>.

Award and Recognition

- FIFTY ONE: The Best Paper Award (Abstract) of Rs. 1100/- & Certificate (3 in each session).
- ONE: Best Technology Award of Rs. 21,000/- and Certificate.
- TWO: Best Runnerup Technology Award of Rs. 11,000/- & Certificate.
- FIFTY TWO: Technology Award of Rs. 1100/- & Certificate (one for each district of MP).

Fellowship (Free Registration)

The scheme provides an opportunity to applicants to attend the Sammelan to enhance science and technical knowledge. Selected applicants will be provided free registration.

- TWO HUNDRED: Fellowships; 100 for Academics and 100 for Non-Academics.

To avail the fellowship, please keep an eye on Sammelan webpage (<http://www.mpv.s.in/>).

Registration

The fee includes Access to all MPVS-2021 Sessions.

For accepted papers, at least one registration needs to be done in any category (please provide the proof for the student category).

Category	Fee (Rs.)	Late Fee (Rs.)
Non-Academic and Non-Industry + Student up to 12 th	FREE	FREE
Students (UG/PG/O\Ph.D)	250	350
Others (Faculty/Scientist/Industry/Postdoc)	500	700

Last Date of Registration: November 30, 2021 (after that late fee will be applicable).

The participant needs to pay the Registration Fee on the following bank account, following the instructions given on MPVS-2021 webpage (<http://www.mpv.s.in/>).

Account Details:

Name of the Bank : State Bank of India
Account Name : Malwa Vigyan Parishad
Account Number : 3203 97 81 414
Account Type : Saving
Branch Name : Holkar Science College, Indore
IFSC Code : SBIN 0030 467 College, Indore
IFSC Code : SBIN0030467

NAME: MALWA VIGYAN PARISHAD SAMITI
UPIID: MALWAVPS@SBI

SCAN & PAY



~ Sponsorship ~

Expected Gathering & Outcome: More than 10000 footfall from Academia, R&D Organizations, Industries and Student Delegates, Government Officials, Startups across, Rural Technologist, Traditional Knowledge System Workers from various places of the MP is expected. So, it would be a golden platform to showcase your business/ product/ services; and the MPVS would turn out to be of mutual good.

Sponsorship Rates*:

Particulars	Amount (Rs.)
Silicon Sponsor	15,00,000/-
Platinum Sponsor	10,00,000/-
Gold Sponsor	7,00,000/-
Silver Sponsor	5,00,000/-
Bronze Sponsor	3,00,000/-
Session Sponsor	2,00,000/-

* Taxes at actual and will be extra

Sponsorship benefits details are available on MPVS-2021 webpage

Mode of Payment:

Online Transfer / DD / Cheque in favor of **Malwa Vigyan Parishad**

Name of the Bank : State Bank of India
Account Name : Malwa Vigyan Parishad
Account Number : 3203 97 81 414
Account Type : Saving
Branch Name : Holkar Science College, Indore
IFSC Code : SBIN 0030 467



MPVS - 2021 Expo

The MPVS-2021 Expo will be held in hybrid mode during at IIT Indore on December 11 - 13, 2021. The Expo will be a unique platform and major attraction of Sammelan to provide the opportunity to the participants to exchange the ideas of traditional and modern science and technology.

In Expo various stalls of the Organizations such as Defence Research & Development Organisation (DRDO), Indian Space Research Organisation (ISRO), Universities/Institutes, IITs, NITs, IIITs, IISERs, Council of Scientific & Industrial Research (CSIR), Raja Ramanna Centre for Advanced Technology (RRCAT), Industries, Department of Science & Technology (DST), Department of Biotechnology (DBT), MPCST, various Startups and Innovator will be there.

Individuals or teams are also invited to showcase your ideas and innovations in Expo which will provide a platform:

- To showcase your traditional knowledge
- To demonstrate your technology
- To gain the mentor ship
- To gain recognition and award
- To get funding opportunity for the startup and innovation

Expo Rates:

The exhibit stall will be available where institute/organisation highlights/prototype / products and idea can be demonstrated in digital format.

- Rs 40,000/- per stall for Academia and Industry
- Free of cost for Non-academic and Non-Industry

Expo Visit:

You need to register using the link given on MPVS-2021 webpage <http://www.mpvs.in> without Registration Fee.

Those who are not able to register online for Expo, may register via whatsapp by sending their Name, Address and Mobile Number. For detail, please visit MPVS-2021 webpage <http://www.mpvs.in> or send email at: madhyapradeshvs@gmail.com, **Phone:** 0731 - 6605111, **Mob.:** 88238 17777

Madhya Pradesh Vigyan Sammelan & Expo (MPVS - 2021)



Dr. Harshvardhan Ji

Minister of Health, Science and Technology



Shri Tulsiram Silawat Ji

Minister of Health & Family Welfare (M.P.)



Smt. Usha Thakur Ji

Minister for Tourism & Culture (M.P.)



Shri Mohan Yadav Ji

Minister, Higher Education Department (M.P.)



Shri Brajendra Singh Yadav Ji

minister of health engineering (M.P.)



Shri Hardeep Singh Dang Ji

MLA Cabinet Minister



Shri Jagdish Devda Ji

Finance Minister



Smt. Yashodhara Raje Scindia Ji

Minister of Sports, Technical Education & Skill Devel.



Shri Om Prakash Saklecha Ji

Minister of Micro and Small Industries



Shri Jagdish Devda Ji

Finance Minister



Smt. Yashodhara Raje Scindia Ji

Minister of Sports, Technical Education & Skill Devel.



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