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In association with:



Centre for Science and Technology of The  
Non-Aligned and other Developing Countries  
(NAM S&T Centre), New Delhi, India

**Organised by:**

Department of Life Sciences,  
ITM University Gwalior, MP, India  
Website: [www.itmuniversity.ac.in](http://www.itmuniversity.ac.in)

# **INTERNATIONAL WORKSHOP ON TECHNOLOGICAL INNOVATION AND MANAGEMENT FOR SUSTAINABLE DEVELOPMENT (FOR GREENER, SAFER & SMARTER WORLD)**

**MARCH 27-29, 2018**



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## INTRODUCTION

The 2030 Agenda for Sustainable Development was adopted at the United Nations Sustainable Development Summit on 25th September 2015, which includes a set of 17 Sustainable Development Goals (SDGs) with 169 targets to end poverty, fight inequality and injustice, and tackle climate change by 2030. Science, Technology & Innovation (STI) has a direct or indirect bearing in the implementation of almost all these Goals and to achieve the targets thereof. The Goal 7 is to ensure access to affordable, reliable, sustainable, and modern energy for all which is proposed to be achieved by increasing substantially the share of renewable energy; doubling the global rate of improvement in energy efficiency; advanced and cleaner fossil fuel technologies; and expanding infrastructure and upgrading technology for supplying modern and sustainable energy services and international cooperation to facilitate access to clean energy research and technologies. Further the Goal 13 calls for urgent action to combat climate change and its impacts and strengthen resilience and capacity for climate change mitigation, adaptation, impact reduction, and early warning.

The fossil fuels are the largest source of carbon dioxide, a greenhouse gas which contributes to climate change, and their production causes both environmental and human health impacts. These concerns are triggering the world to look at alternate sources of energy that are both less harmful and renewable. Additionally, due to gradual depletion of conventional fossil fuel reserves, it is essential for all the nations to adopt newer and renewable sources of energy.

As the climate patterns shift, so too does typical weather, rainfall, sea levels, ocean acidification levels, Arctic glaciers, extreme weather events, animal habitats, and species population levels. These changes disrupt nature's fragile balance. The effects of climate change are having numerous negative consequences for the humanity, especially impoverished people. However, the promise of renewable energy can only be realised through significant investments in technological innovation including research and development and transfer of technologies on alternative, sustainable technologies such as solar, biomass, wind, hydropower,

geothermal power, ocean energy sources, etc. and the energy storage technologies necessary to operate them competitively.

Considering the importance of the above subject, the Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre) has been organising a series of interactive workshops, roundtable meetings and training courses on topics relating to sustainable development, climate change, clean energy, energy conservation, energy efficiency etc. and now announces the organisation of an International Workshop on "Technological Innovation and Management for Sustainable Development (For Greener, Safer & Smarter World)" during 27th-29th March 2018 in Gwalior, India in partnership with ITM University, Gwalior, Madhya Pradesh, India.

## THE ORGANISERS

### ITM UNIVERSITY GWALIOR

The ITM University Gwalior is emerging as a vibrant seat of higher learning in Central India. It is a multidisciplinary university with an international reputation for the quality of its research and teaching across the academic spectrum. The vision of the ITM University is to emerge as a global hub of knowledge creation, cutting edge research & development and the centre for development of skills to create entrepreneurs capable of contributing to different fields. The university prepares students to celebrate their Dreams and become responsible citizens. The university offers courses in Engineering, Management, Pharmacy, Commerce, Agriculture, Architecture, Computer Applications, Teacher Education, Art & Design, Physical Education, Sciences, Law, India & South Asia Studies, Nursing, Journalism & Mass Communication, Humanities etc. The core values of this University are derived from its engagements with high quality teaching and excellence in research. The ITM University offers more than 60 degree programs from undergraduate to doctoral level in about 20 disciplines. All faculty members are actively engaged in research and teaching.

ITM campus is a hub of creative expression where each day is unique. The University organizes a plethora of word class musical events, concerts and workshops on regular basis. This is a happy and happening campus.

Besides, we at ITM also conduct a host of academic activities with a view to inculcate critical thinking and effective communication skills among students. Some of these events include - "Meeting of Minds", "My India – My Vision", "Achievers-in-Residence" programs, observance of important national and international days, colloquium, seminars, conferences and symposia.

The ITM University Gwalior has enrolled nearly 200 international students from 21 countries. Our students are winning several national and International competitions in the fields of academics and sports. The University has received more than 20 awards and ranked 32nd in Management and 58th in Engineering respectively under National Institutional Ranking Framework (NIRF) in 2016.

ITM University Gwalior campus sprawls in an area of more than 250 acres in sylvan surrounding along green hills of Vindhyaachal ranges on National Highway No. 75. in Gwalior.

ITM University-Gwalior was established by the Act of State Legislature, MP, as notified in the official Gazette (extra-ordinary) of the State Government in May 2011. ITM University-Gwalior is sponsored by Samata Lok Sansthan, a registered charitable trust.

### NAM S&T CENTRE

The Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre; [www.namstct.org](http://www.namstct.org)) is an inter-governmental organisation with a membership of 47 countries spread over Asia, Africa, Middle East and Latin America. The Centre was set up in 1989 in New Delhi, India. It undertakes a variety of programmes, including organisation of workshops, symposia, roundtables and training courses and implementation of collaborative projects. It also offers short-term research fellowships to scientists from developing countries in association



with the Centres of Excellence in various countries. The Centre also brings out technical books and other scientific publications in different subjects of interest to developing countries. The Centre's activities provide opportunity for scientist-to-scientist contact and interaction; familiarising participants on the latest developments and techniques in the subject areas; identification of the requirements of training and expert assistance; locating technologies for transfer between the members and other developing countries, and dissemination of S&T information etc. In addition, the Centre encourages academic-R&D-industry interaction in the developing countries through its NAM S&T-Industry Network.

## OBJECTIVES OF THE WORKSHOP

The Workshop will be organized with the following objectives:-

- To discuss the current perspectives of sustainable development in developed and developing economies.
- To provide a platform to technocrats, experts and academicians from different countries for presenting their innovative and constructive ideas at international level.
- To conserve and enhance resource base with the help of green, smart and safe materials.
- To create innovative technologies and reorienting existing technologies for sustainable development and discuss future solutions for designing of green, smart and safer environment.
- To formulate a holistic approach in decision making on basis of environment, economies and technology options.
- To generate research and disseminate knowledge about sustainable development

## TOPICS TO BE COVERED

The Workshop will cover the following broad areas:

1. Sustainability: Sustainable development and planning

2. Green Technologies for safe & smart world
3. Science & Technology in Environment Management
4. Natural Resources & Climate Change
5. Human Settlements
6. Gender perspectives & climate change
7. Environmental education
8. Sustainable Agriculture & Food Security

## PARTICIPANTS

The Workshop programme has been primarily designed for scientists, technologists, researchers, and academicians working in the relevant field in educational/research organizations or institutions, government departments, ministries and industries. A pre-condition for participation in the Workshop is that the participants must present a paper during the workshop and submit an extended abstract of the same along with the registration form.

The selection of participants will be made strictly based on merit and relevance of their current responsibilities to the subject of the Workshop as well as the quality of the extended abstract of the paper submitted by them along with the completed registration form.

The participants for the workshop are invited to submit abstract/papers/ conceptual papers related to the themes & sub themes of the workshop for oral or poster presentation.

The abstract be sent as an e-mail word attachment to [int.workshop.itmu2018@gmail.com](mailto:int.workshop.itmu2018@gmail.com) to the organizing secretary of the workshop. Participants will be informed within two days of receipt of abstract. Full papers will be published in the research journals as special issue:

1. International Archive of Applied Sciences and Technology [UGC Approved] NAAS-4.45.
2. Bulletin of Environment, Pharmacology and Life Sciences Thomson Reuter [ISI Master List] NAAS 4.95.



Full length papers has to be submitted as per the format of the research journals available at <http://www.bepls.com> & [www.soeagra.com](http://www.soeagra.com) to int.workshop.itmu2018@gmail.com. Participants will be informed within two days of receipt of full paper.

## POSTER PRESENTATION

Poster boards will be provided for poster presentation. Each poster will be allotted a board space measuring 120x150 cm (48"x60"). Drawing pins or thumb tags will be provided. All poster presentations will be in English. Handwritten posters will not be accepted. The text should be rendered with a sufficiently large font to be legible from a distance of 1-2 meter. Graphs, tables, figures, photographs or maps may be used within the limits of the board space allocated.

## AWARDS

Best oral/poster presentations will be awarded in the valedictory function of the workshop in each category with first, second and third positions.

## ACCOMODATION

Gwalior has number of hotels with tariff ranging from INR 1500/- to INR 5500/-. Hotels are located within a radius of about 10 Km from ITM University campus. Those who are desirous of hotel accommodation are requested to inform the organizers well in advance.

## REGISTRATION FEE

Delegates from Industries .....INR 5000/-  
Delegates from Academics .....INR 3000/-  
Students\* .....INR 1500/-

(Registration fees cover, workshop proceedings, certificates, lunches and refreshments). Registration fees can be paid through a Demand Draft drawn in favour of ITM University payable at Gwalior, India. Cancellation of registration is not permitted. Registration form can be downloaded from website ([www.itmuniversity.ac.in](http://www.itmuniversity.ac.in)).

\* to submit bonafide certificate from the Head of the Department/ Institution

Online payment can be made to: UCO Bank, Sithouli, Gwalior, A/c No. 24660210000090, IFSC code: UCBA0002466

## SPONSORSHIPS

Academic Institutions and Leading Industries are invited to sponsor this major event and benefit from the workshop. Sponsorship tariff are given below:

## CATEGORY

Sponsors	Indian	Foreign
Industries	INR 1,00,000/-	US \$ 1600
Academic Institutions	INR 50,000/-	US \$ 780

A sponsor can nominate four delegates free of charge along with strategically visible publicity. All payments related to sponsorship can be made through a Demand Draft drawn in favor of ITM University payable at Gwalior, India.

## IMPORTANT DATES

Last date of abstract and full length paper submission: 20 March, 2018  
Notification acceptance: within 2 days after submission  
Last date of registration: 25 March, 2018

## CHIEF PATRON

**Sh. Rama Shankar Singh**  
Chancellor, ITM University Gwalior

## PATRONS

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Chairperson, ITM Universe Vadodara, Gujarat

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