




INTERNATIONAL WORKSHOP
ON
COMBATING PLASTIC POLLUTION IN
TERRESTRIAL ENVIRONMENT

March 14-15, 2023
Mysuru, India

	<p>CENTRE FOR SCIENCE & TECHNOLOGY OF THE NON-ALIGNED AND OTHER DEVELOPING COUNTRIES (NAM S&T CENTRE) NEW DELHI, INDIA</p>
	<p>JSS ACADEMY OF HIGHER EDUCATION AND RESEARCH, MYSURU, KARNATAKA, INDIA</p>
	<p>SCIENTIFIC COMMITTEE ON PROBLEMS OF THE ENVIRONMENT (SCOPE), AMSTELVEEN, THE NETHERLANDS</p>

INTRODUCTION

With mounting evidences that plastic waste is rising and the accumulation of plastics in our natural environment is getting worse, the plastic pollution dilemma has recently taken centre stage in discussions of global policy. As a result, currently more attempts are being made to identify the international frameworks and initiatives that could aid in not just containing this crisis but also in repairing some of the damages.

Decades of use and a rise in single-use, disposable plastics are a catastrophe for the ecosystem on a grand scale. As a result of increased use, plastic manufacturing has exploded, reaching over 380 million tonnes annually and is expected to double within the next 20 years. Annually, oceans receive up to 12 million tonnes of plastic, and gyres, and so-called "*islands of plastic*" are growing. While the majority of plastics are predicted to endure for decades or even centuries after use, those that disintegrate become micro plastics, which are quickly ingested by fish and other marine life and enter the world's food supply. In fact, micro plastics have been discovered all around the world, even in tap water, human feces and the Swiss mountains. It is now abundantly clear that the problem of single-use plastics has caused a worldwide crisis, the scale of which is becoming clear now. In light of this, the President of the UN General Assembly has classified that the problem of plastic pollution as a top priority during the 73rd Session.

President Espinosa intends to encourage initiatives that can reduce plastic consumption, create awareness and assist efforts to discover global, regional, and local solutions by collaborating with Member States, UN agencies, civil society organizations and the commercial sector.

The United Nations (UN) has committed to reduce the amount of plastic that leaks into the environment through a number of projects that focus on micro plastics, marine litter and single-use plastic pollution. At the UN Conference in 2015, the Sustainable Development Goals (SDGs) were also introduced as a means of addressing the most pressing global issues of the day and ensuring a sustainable future. A number of SDGs, including SDG 3: Promoting Good Health and Well-Being, SDG 6: Clean Water and Sanitation, SDG 11: Sustainable Cities and Communities, SDG 12: Responsible Consumption and Production, SDG 13: Climate Action, **Goal 14: Life Below Water**, in particular, address the issue of plastics because it aims to conserve and sustainable use of marine resources for sustainable development and SDG 15: Life on Land, indirectly addresses the problem of plastic pollution. UN stated that to beat plastic pollution, we need to entirely rethink our approach in designing, producing and using plastic products. Recent years have seen a substantial increase in awareness of this problem, with a focus on the presence of tiny plastic particles, or micro plastics, in the marine environment. This has led to a significant amount of scientific study as well as public and media awareness of the dangers and presence of plastic in the marine ecosystem. However, vast majority of plastics are created, used and dumped on land. This suggests that a deeper knowledge of the processes causing the environmental release of plastic in the terrestrial environment is necessary to address the problem of global plastic contamination.

In this context, the Centre for Science & Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre), New Delhi, India, in partnership with the JSS Academy of Higher Education and Research (JSS AHER), Mysuru, Karnataka, India and the Scientific Committee on Problems of the Environment (SCOPE), Amstelveen, the Netherlands will be organizing an International Workshop on '**Combating Plastic Pollution in Terrestrial Environment**' during **March 14-15, 2023** with an aim to share experiences and best practices

across nations and hope that today's exchanges on effective terrestrial plastic waste management would help us to learn from each other. The Workshop will be hosted and organized by JSS AHER at Mysuru, India.

WORKSHOP OBJECTIVES

The major objective of this workshop is to identify important plastic waste release mechanisms that significantly contaminate the soil, atmosphere and freshwater ecosystems. This workshop will also cover a number of issues including origins, dynamics, dangers and viable remedies for reducing release of plastic wastes into the terrestrial ecosystem.

It is proposed to bring together experts, policy makers, and city level authorities from municipalities, State Pollution Control Board/Pollution Control Committee, Department of Environment, Department of Urban Development, research and academic organizations from the NAM and other developing countries to combat plastic pollution in terrestrial environment. With keynote plenaries and technical sessions, the Workshop will allow sharing of information and ideas from widely differing cultural and environmental settings and share the best practices across nations to develop recommendations for appropriate policy actions.

TOPICS TO BE COVERED

- Non-point source pollution
- Point source pollution
- Single-use plastics
- Macro-, micro- and nano plastics
- Experiences in plastic Waste Management
- Regulatory measures
- Public Private Partnership in Plastic Waste management
- Addressing SDGs on Plastic Waste Management
- Policies and regulations: Design and implementation challenges
- Policy recommendations and Action Plan for the Governments
- Capacity building
- Working with industry and NGOs to influence policy makers
- Sustainable behavior change
- Global awareness and advocacy and leadership.
- Plastic waste and pollution management strategies
- Technological approaches

IMPORTANT DATES

ACTIVITY	DATES
Date of the Program	March 14-15, 2023
Submission of Application Starts	December 08, 2022
Last Date for Submission of Applications	February 01, 2023
Last Date for Submission of Full Manuscript	March 02, 2023

TENTATIVE PROGRAMME OF THE WORKSHOP

Programme (IST: GMT+5.30 hrs.)	Session Details	
	14 th March, 2023	15 th March, 2023
10.00-11.00 Hrs.	Inaugural Session	Plenary Sessions
11.00-13.00 Hrs.	Keynote Lectures	Technical Session III
14.00-15:00 Hrs.	Technical Session I	Technical Session IV and Poster Session
15:15-17.30 Hrs.	Technical Session - II	Adoption of Resolution and Concluding Session

Note: A detailed Session-wise Programme will be made available before the Workshop.

TARGETED PARTICIPANTS

Researchers, scientists, technocrats, innovators, government officials and policy makers, legal experts and representatives from industry and non-government organizations, city level authorities from municipalities, State Pollution Control Board/Pollution Control Committee, Department of Environment, Department of Urban Development, research and academic organizations from the NAM and other developing countries - who are engaged in the field of environment, health, water management, social issues, technology and any related experts, are invited to participate in this Workshop. The combination of participants from various developing countries will allow the exchange of knowledge, ideas and experiences as well as opportunities for global networking and collaboration.

English will be the official language of the programme.

RESOURCE PERSONS

The resource persons for the Workshop will comprise eminent experts and professionals in the relevant fields from India and abroad.

ABOUT THE ORGANISERS

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)* is an Inter-Governmental Organisation with a Membership of 47 countries spread over Asia, Africa, the Middle East and Latin America. The Centre was set up in 1989 in New Delhi, India, based on decisions taken during various NAM Summits and mandated to undertake a variety of programmes, including organization of workshops, symposiums 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, monographs and other scientific publications in different S&T subjects of interest to developing countries. The Centre's activities provide an opportunity for scientist-to-scientist contact and interactions; familiarizing 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 interactions in the developing countries through its *NAM S&T-Industry Network*.



JSS ACADEMY OF HIGHER EDUCATION & RESEARCH (JSSAHER)

JSS Academy of Higher Education & Research (JSS AHER), formerly known as JSS University, is a Deemed-to-be University located in Mysuru, Karnataka, India. It was established in 2008 under Section 3 of the UGC Act 1956 and is part of JSS Mahavidyapeetha, which runs a variety of educational institutions. This deemed-to-be university is recognized by the Ministry of Education, Government of India and accredited by NAAC with A+ Grade (3.48 CGPA). JSS AHER has been graded as Category-I Deemed-to-be University by UGC. In the Times Higher Education (THE) World rankings 2022, JSS Academy of Higher Education & Research was ranked in the band of 351-400 in the world. It is the only university in India ranked into the top 100 (ranked 93rd in the world) in clinical and health studies of the Times Higher Education World University Rankings by Subject in 2022. JSS AHER has been focusing on teaching, research and health services since its inception. Under the leadership and gracious Patronage and Blessings of His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamiji, the Chancellor of JSS Academy of Higher Education & Research, Pro-Chancellor, Dr. B. Suresh, a noted multifaceted leader of repute and Vice-



Chancellor, Dr. Surinder Singh, an acclaimed Administrator and an expert in healthcare regulations, JSS AHER has made great progress in grooming graduates, postgraduates, and Ph.D. researchers by providing effective value-based education across our institutions by focusing on the overall development of an individual through state-of-art facilities to make the learner a useful citizen to the society.

SCIENTIFIC COMMITTEE ON PROBLEMS OF THE ENVIRONMENT (SCOPE)

SCOPE is an international multidisciplinary non-profit non-governmental organization based in the Netherlands. The objective of the SCOPE is to serve as a source of advice with respect to emerging ecological and environmental issues, seeking to advance knowledge of the influence of humans on the environment, as well as the effects of these environmental changes upon mankind, its health and its well-being. In order to reach that goal, the activities of SCOPE include: to advance and facilitate studies of fundamental environmental processes, develop collaborative programmes among Scientific Unions, National Members and Scientific Committees and other appropriate organizations including those concerned with the social sciences and the biological aspects of the medical sciences, and promote education in, and understanding of, environmental issues. SCOPE is an affiliated Member of the *International Science Council (ISC)*.



SUBMISSION OF APPLICATIONS

Experts and scientists desirous of participating in the Workshop, *except those from India*, are required to submit their application **electronically** to the Director General, NAM S&T Centre, New Delhi at namstcentre@gmail.com as early as possible but latest by **February 01, 2023**.

However, applicants from India should submit their requests directly to the Dean (Academics), JSS AHER, Mysuru at vishalkumargupta@jssuni.edu.in/ shivvarajuhp@jssuni.edu.in.

The following documents must be submitted as e-mail attachments:

- a) Filled in Application Form (Blank form **enclosed**).
- b) Opinion (a short paragraph; **in MS Word format**) how you qualify to participate in the Workshop.
- c) A short CV in the **attached** Format (**maximum two pages; in MS-Word format**).
- d) An Extended Abstract (**in MS-Word only**) of the Paper that would be presented at the Workshop.
- e) Copy of the relevant pages of the passport.

Note: The documents (b), (c) and (d) above must be in **MS-Word format** only; PDF or image files will not be accepted. Hard copies of the Application Form and the above attachments are **NOT REQUIRED** to be submitted.

PRESENTATION OF PAPERS

Delegates / Participants are expected to present a Country Status Report and /or a research/scientific paper on any of the themes appropriate to the Workshop.

LOCAL HOSPITALITY AND TRAVEL

Local hospitality in Mysuru including accommodation, meals and local transport for the foreign participants sponsored by the NAM S&T Centre will be provided from 13th March, 2023 to 16th March, 2023 (i.e. from one day before to one day after the completion of the Workshop). The participants are requested to book their flights accordingly; otherwise, they will have to make their own arrangements of stay beyond these dates.

FINANCIAL ARRANGEMENTS FOR TRAVEL

The financial terms and arrangements for international travel of foreign participants will be conveyed to individual applicants on receipt of the Application and other documents.

ENTRY FORMALITIES AND IMMIGRATION

Participants of the Workshop must be in possession of a current passport or any other internationally recognized travel document, which must have a period of validity of at least six months beyond the period of stay in India and must be endorsed for travel to India.

Participants should have a valid visa for entry into India. The Indian diplomatic mission located in the country of the participant should be approached for obtaining an entry visa. For a large number of countries, however, online visa application is required. If required, the organizers will facilitate the issuance of visa by providing the participants with an official letter of invitation.

NOTE:

The governments / institutions of the selected participants will be required to bear the following costs:

- All expenses in the home country incidental to travel abroad, including expenditure for passports, required medical examinations, vaccinations and miscellaneous expenses such as internal travel to the airport of departure in the home country.
- Salary and other related allowances for the participants during the period of the Workshop.
- Cost of medical insurance to cover the period of participation in the workshop.

The organizers of this Workshop will not assume responsibility for the following expenditure in connection with the participant's attendance in the Workshop:

- Expenses incurred with respect to any insurance, medical bills or hospitalization fees.
- Compensation in the event of death, disability or illness of participants.
- Loss of personal belongings or compensation for damage caused to them by climatic or other conditions.
- Other costs, including airport tax and excess baggage.

OTHER USEFUL INFORMATION

- The temperature in Mysuru during the Workshop period would be around 31.0°C (87.8°F) with some rainfall.
- Indian Standard Time is +05.30 hours ahead of GMT.
- The Indian Currency is Rupee (INR); the present current exchange rate is US 1\$ ~ 82 INR.

PUBLICATION ON THE SUBJECT

A publication edited by one or more international experts and based on the papers presented by the participants during the Workshop and also containing papers contributed by other eminent experts in the field will be brought out in the form of a book as a follow-up of this programme. Therefore, all participants are requested to submit the manuscripts of their full papers in MS-word format well in advance, but latest by **March 02, 2023**.

MODE OF EXECUTION

The Workshop will be organized in Hybrid Mode; while the invited speakers, participants from India and foreign participants sponsored by NAM S&T Centre will attend the Workshop physically, rest all other participants may attend online.

SELECTION OF APPLICANTS

Selection of applicants will be made based on their academic and professional backgrounds. Successful applicants will be electronically informed about their selection.

For those who would be attending the Workshop virtually, details about the *Virtual Platform* will be provided well within the time after the selection procedure is completed. Other details and terms & conditions of the participation will be given to the individual candidates on receipt of their applications.

SECRETARIAT AND ENQUIRIES

NAM S&T CENTRE

Dr. Amitava Bandopadhyay,

Director General,

Centre for Science & Technology of the Non-Aligned and other Developing Countries
(NAM S&T Centre),

Core-6A, 2nd Floor, India Habitat Centre,

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JSS ACADEMY OF HIGHER EDUCATION & RESEARCH (JSS AHER), MYSURU

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SCIENTIFIC COMMITTEE ON PROBLEMS OF THE ENVIRONMENT - SCOPE

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(NAM S&T CENTRE)

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APPLICATION FORM

PLEASE TYPE OR USE BLOCK CAPITALS (NO COLUMN
SHOULD BE LEFT BLANK)

PHOTO

SECTION -A

(To be filled in by the nominee)

- 1 Name (Prof/Dr/Mr/Mrs/Ms):
(As in Passport)
2. Father's/Spouse Name:
- 3 Designation (Position held):
4. Nationality:
- 5 Date of Birth: Place of Birth (City) (Country).....
- 6 Passport No:Place of issue:
Date of Issue: Valid up to:
(Please attach copies of the relevant pages of your Passport)
- 7 Name of the Parent Institution (Employer):
Full Address (Office):
.....
Phone: E-mail:.....

- 8 Full Address (Home):

 Phone: Mobile:
 E-mail:
- 9 Educational Qualifications: Highest Degree.
 Year of Award: University:
 Field of Study:
- 10 Brief Bio data (CV):
 (**Maximum two pages, in MSWord**; to be prepared in enclosed Format)
- 11 Abstract of your paper proposed to be presented in the Workshop.
 (**About 300 Words, in MSWord**; to be attached on separate sheet)
- 12 What in your opinion qualifies you for participation in this workshop?
 (To be attached on separate sheet)
- Date: Signature:

SECTION –B: ENDORSEMENT BY THE NOMINATING AUTHORITY

(The Applicant in a member country of the NAM S&T Centre must get the Nomination Form endorsed by the Focal Point of the Centre in his/her country if he/she wishes to take advantages extended to the official nominee of the country. For the list of member countries and names/ addresses of the Focal Points please visit the Centre’s official website; www.namstct.org.)

Signature:
 Name (in full):
 Designation:
 Date:

SEAL

Enclosures:

- 1) A Brief CV (maximum two pages, as per **attached** format; in MS Word only)
- 2) An Opinion (in MS-Word format only) on what qualifies you to attend the Workshop
- 3) An Extended Abstract (in MS-Word only) of the Paper that would be presented at the Workshop
- 4) Copy of the relevant pages of the passport.

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CURRICULUM VITAE

1. Personal Details:

Name: (Prof./Dr./Mr./Mrs./Ms.)

Designation: Position Title

Present Employer: Full Address (Office)

City/State/Province:

Country:

Nationality:

Date of Birth: dd/mm/yyyy

Proficiency in English Language:

Permanent Address: Full Address (Home)

Gender:

Contact: Mobile:

Telephone Office:

E-mail:

Fax:

Alternative e-mail:

2. Academic Qualifications: In chronological order

Qualification Awarded Degree/Diploma/Certificate	Major Subject	University/ Institution	Year (From-To)

3. Professional Experience: In chronological order

Organisation/ Institution	Position Title	Year (From-To)	Nature of duties

Total number of years of relevant experience –

4. Research Experience: In chronological order

Research Title	Duration	Status

5. Administrative Experience: Not more than 100 words

6. Experience with respect to the title of the Workshop:

7. Details of Awards/Recognitions (if any):

8. Any other information: Not more than 50 words

9. Recent Publications: Only five recent publications to be mentioned
