



INSA-AASSA Symposium
on
'Science Policy Futures for Asia'
Indian National Science Academy, New Delhi
September 1-3, 2024

1 September 2024, Day 1 Venue: Multipurpose Hall, Indian National Science Academy	
1715 Hrs – 1730 Hrs	Traditional Welcome at INSA
1730 Hrs – 1800 Hrs	Registration
1800 Hrs – 1810 Hrs	Welcome Address Prof Ashutosh Sharma President, Indian National Science Academy
1810 Hrs – 1820 Hrs	Workshop Orientation & Agenda Summary Prof Narinder K Mehra Vice President (International), INSA
1810 Hrs – 1815 Hrs	Address by IAP Chair Prof Masresha Fetene Co-President, IAP
1815 Hrs – 1840 Hrs	Keynote Address by Prof. Vinod K Paul Hon'ble Member NITI Aayog Govt. of India
1840 Hrs – 1845 Hrs	Address on behalf of ISC Prof Chennupati Jagadish President AAS & Co-Chair Advisory Council, ISC Regional Focal Point for Asia and the Pacific
1845 Hrs – 1850 Hrs	Address by AASSA Chair Prof Ahmet Nuri Yurdusev President, AASSA
1850 Hrs – 1900 Hrs	Introduction of Representatives from AASSA Member Academies (5min each) <ul style="list-style-type: none">○ Prof Chennupati Jagadish, President Australian Academy of Sciences○ Dr Zeba Islam Seraj, Fellow, Bangladesh Academy of Sciences, University of Bangladesh○ Dr Brotati Chattopadhyay, Assistant Executive Director, International Division, Indian National Science Academy○ Dr Finarya Legoh, Head, Indonesian Academy of Sciences (AIPI) International Relation & Funding Bureau, Indonesia



	<ul style="list-style-type: none"> ○ Dr Lyazzat Yeraliyeva, Vice President, National Academy of Sciences, Republic of Kazakhstan ○ Prof. Mahendhiran Sanggaran Nair, Academy of Sciences Malaysia (ASM) Fellow, Malaysia ○ Prof. Dilip Subba, Vice Chancellor of Nepal Academy of Science & Technology (NAST), Nepal ○ Prof. Sagarika Ekanayake, National Academy of Sciences of Sri Lanka (NASSL), Sri Lanka ○ Dr Ranjith Mahindapala, National Academy of Sciences of Sri Lanka (NASSL), Sri Lanka ○ Prof. Muzaffer Şeker, President, Turkish Academy of Sciences (TÜBA), Turkey ○ Prof. Mehmet Akif Kireççi, Member of Turkish Academy of Sciences (TÜBA) International Relations, Turkey ○ Dr Rupert Ian Lewis, Chief Science Policy Officer, Royal Society, United Kingdom ○ Dr Laura Wilton, Royal Society, Head of International Affairs - Europe and Asia, United Kingdom ○ Ms Hanseul Kim, AASSA Secretariat
<p>1900 Hrs – 1950 Hrs</p>	<p>Inaugural Session: Finding an Asian perspective to modern science and policy; and where do the intersections of the past and future exist? : The panel will explore how traditional Asian knowledge systems and philosophies can contribute to modern science and policy. It will focus on the intersections between historical practices and contemporary innovations, highlighting how these perspectives can shape future global developments. Experts will discuss the integration of ancient wisdom with cutting-edge technology, the role of cultural heritage in scientific advancement, and the unique contributions Asia can offer to global science policy, especially in the context of sustainability, ethics, and inclusive innovation.</p> <p>Chair: Prof. Ashutosh Sharma, President, Indian National Science Academy</p> <p>Speakers:</p> <ul style="list-style-type: none"> ○ Dr Rajesh Gokhale, Secretary, Department of Biotechnology (DBT), Ministry of Science & Technology, Govt. of India ○ Dr Somanath S, Secretary, Department of Space (DOS) / Chairman, Indian Space Research Organisation (ISRO), Govt. of India
<p>1950 Hrs – 1955 Hrs</p>	<p style="text-align: center;">Vote of Thanks Dr Brajesh Pandey, Executive Director, INSA</p>
<p>2000 Hrs Onwards</p>	<p style="text-align: center;">Welcome Dinner at INSA</p>



2 September 2024, Day 2

Venue: INSA (Multipurpose Hall)

0900 Hrs – 0910 Hrs	About INSA and its Policy Aspirations Prof. Narinder K Mehra Vice President, INSA
0910 Hrs – 1040 Hrs	<p>Session 1: Innovating Governance: Bridging Policy, Research, and Industry for a Resilient World: The panel will explore the critical intersections of policy, research, and industry in driving India's scientific and technological advancements. The discussion will focus on how innovative governance models can enhance collaboration between governmental agencies, research institutions, and industry leaders to build a resilient and self-reliant nation. Key areas of discussion will include policy frameworks for fostering innovation, the role of public-private partnerships in scaling research outcomes, and the governance challenges in aligning scientific progress with sustainable development goals.</p> <p>Chair: Prof. V M Tiwari, Vice President, INSA</p> <p>Speakers:</p> <ul style="list-style-type: none">○ Dr Krishna Ella, Executive Chairman, Bharat Biotech International Limited○ Prof. T G Sitharam, Chairman, All India Council for Technical Education (AICTE), New Delhi○ Prof. Indranil Manna, Vice Chancellor, Birla Institute of Technology (BIT) Mesra, Ranchi <p>Discussion - 20 Minutes</p>
1040 Hrs – 1100 Hrs	Tea/Coffee Break
1100 Hrs – 1300 Hrs	<p>Session 2: Navigating the Future of Health Science: Integrating Genomic Innovations and Public Health Strategies for Disease Elimination: The panel will explore the intersection of genomic research, personalised medicine, and public health strategies in shaping the future of health science, particularly focussing on the elimination of infectious diseases like tuberculosis. The discussion will delve into the role of emerging technologies, the importance of multi-disciplinary collaboration, and the need for policy frameworks that can support rapid adaptation to scientific advancements.</p> <p>Chair: Prof. Narinder K Mehra, Vice President, INSA</p> <p>Speakers:</p> <ul style="list-style-type: none">○ Dr Soumya Swaminathan, Principal Advisor, National Tuberculosis Elimination Program, Ministry of Health & Family Welfare, GoI○ Dr Shiv Sarin, President, National Academy of Medical Sciences



	<ul style="list-style-type: none">○ Dr Lyazzat Yeraliyeva, Vice President, National Academy of Sciences, Republic of Kazakhstan○ Prof. Sagarika Ekanayake, National Academy of Sciences of Sri Lanka (NASSL), Sri Lanka <p>Discussion - 20 Minutes</p>
1300 Hrs – 1400 Hrs	Lunch
1400 Hrs – 1530 Hrs	<p>Session 3: Embedding Science in the Cultural Ethos of Asia: Bridging Traditions with Innovation: The panel will explore the intersection of science and cultural heritage in Asia, examining how scientific advancements can be harmonised with traditional values and practices. It will also delve into how indigenous knowledge systems can contribute to global scientific discourse and the role of public policy in fostering a science-culture nexus.</p> <p>Chair: Prof. Ashutosh Sharma, President, INSA</p> <p>Speakers:</p> <ul style="list-style-type: none">○ Prof Chennupati Jagadish, President Australian Academy of Sciences & Co-Chair Advisory Council, International Science Council Regional Focal Point for Asia and the Pacific○ Dr Masresha Fetene, President & Co-chair, Inter Academy Partnership○ Dr Ambuj Sagar, Founding Head, School of Public Policy, Indian Institute of Technology (IIT) Delhi <p>Discussion - 20 Minutes</p>
1530 Hrs – 1630 Hrs	<p>Deliberations by Participating Representatives from AASSA Member Academies (10 min each)</p> <p>Chair: Prof. Sanjay Puri, Vice President, INSA</p> <ul style="list-style-type: none">○ Dr Finarya Legoh, Head, Indonesian Academy of Sciences (AIPI) International Relation & Funding Bureau, Indonesia○ Prof. Dilip Subba, Vice Chancellor of Nepal Academy of Science & Technology (NAST), Nepal○ Dr Ranjith Mahindapala, National Academy of Sciences of Sri Lanka (NASSL), Sri Lanka○ Prof. Muzaffer Şeker, President, Turkish Academy of Sciences (TÜBA), Turkey
1630 Hrs – 1700 Hrs	Tea/ Coffee Break
1700 Hrs – 1830 Hrs	<p>Session 4: Preserving and Harnessing Megadiverse Ecosystems: Integrating Science, Education, and Policy for Sustainable Development: The panel will explore the intersection of science, education, and policy in the conservation and sustainable use of megadiverse ecosystems. With India being</p>



	<p>one of the world's megadiverse countries, the panellists will discuss strategies to integrate biodiversity conservation into higher education, leverage agricultural research for sustainable development, and promote cutting-edge biological research. The discussion will focus on collaborative efforts to preserve these ecosystems while ensuring their benefits are harnessed for economic and social development in line with global sustainability goals.</p> <p>Chair: Prof. Indranil Manna, Vice President, INSA</p> <p>Speakers:</p> <ul style="list-style-type: none">○ Prof Mamidala Jagadesh Kumar, Chairman, University Grant Commission (UGC),○ Prof L S Shashidhara, Centre Director, National Centre for Biological Sciences (NCBS), Bengaluru <p>Discussion - 20 Minutes</p>
1830 Hrs – 2000 Hrs	Return to Hotel Executive Time
2000 Hrs onwards	Symposium Dinner at Hotel Lalit

3 September 2024, Day 3

Venue: Multipurpose Hall (Indian National Science Academy)

0900 Hrs – 1000 Hrs	<p>Session 5: Navigating the Science-Society Nexus: Bridging Gaps and Shaping Future Frontiers: The panel will explore the intricate relationship between science and society, focussing on how scientific advancements can be more effectively integrated into societal development. The discussion will delve into the challenges and opportunities at the intersection of science and society, highlighting the roles of policy, technology, and public engagement. The panellists, with their diverse expertise in science policy, health science, and translational research, will provide insights into the current crossroads where science meets societal needs, and discuss strategies for fostering a more inclusive and impactful science-society dialogue.</p> <p>Chair: Prof L S Shashidhara, Centre Director, National Centre for Biological Sciences (NCBS), Bengaluru</p> <p>Speakers:</p> <ul style="list-style-type: none">○ Dr Rupert Ian Lewis, Chief Science Policy Officer, Royal Society, United Kingdom○ Prof. Ganesan Karthikeyan, Executive Director, Translational Health Science and Technology Institute (THSTI) <p>Discussion - 20 Minutes</p>
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1000 Hrs – 1100 Hrs	<p>Remarks by Participating Representatives from AASSA Member Academies (10 min each) Chair: Prof. Narinder Mehra, Vice President (International), INSA</p> <ul style="list-style-type: none">○ Prof. Mahendhiran Sanggaran Nair, Academy of Sciences Malaysia (ASM) Fellow, Malaysia○ Mrs. Anar Mukhtarova, Head, Centre for Scientific and Technical Cooperation, Kazakhstan○ Prof. Dilip Subba, Vice Chancellor of Nepal Academy of Science & Technology (NAST), Nepal○ Prof. Mehmet Akif Kireççi, Member of Turkish Academy of Sciences (TÜBA) International Relations, Turkey
1100 Hrs – 1130 Hrs	Tea Break
1130 Hrs – 1300 Hrs	<p>Session 6: Youth-Driven Science and Policy Innovations for a Sustainable Future: The panel could explore how young scientists and policymakers are contributing to sustainable development, addressing global challenges, and shaping the future through innovative approaches. It would highlight case studies, mentorship programs, and strategies to amplify youth voices in science and policy-making.</p> <p style="text-align: center;">Chair: Prof. Ashutosh Sharma, President, INSA</p> <p>Keynote: Asia and Multilateralism: Shaping the Future of Global Science and Innovation Diplomacy Prof K Vijayraghavan, Former Principal Scientific Advisor to Govt of India (20 Min)</p> <p>Speakers (10 minutes each):</p> <ul style="list-style-type: none">○ Dr Praveen K Somasundaram, Head, International Division, Department of Science & Technology○ Prof Chandrashekhar Sharma, Indian Institute of Technology (IIT) Hyderabad, (Global Young Academy-GYA/Indian National Young Academy of Sciences-INYAS)○ Prof Nishant Chakraborty, Chairman, Indian National Young Academy of Sciences-INYAS)○ Dr Neetu Singh, Professor, Centre for Biomedical Engineering, Indian Institute of Technology (IIT) & INSA Associate Fellow○ Dr Veda Krishnan, Senior Scientist, Division of Biochemistry, ICAR- Indian Agricultural Research Institute, New Delhi & INSA Young Associate fellow
1300 Hrs - 1330 Hrs	<p>Closing Session Prof. Ashutosh Sharma, President, INSA Prof. Narinder Mehra, Vice President (International), INSA</p>
1330 Hrs - 1430 Hrs	Lunch



1500 Hrs – 1700 Hrs	Guided Tour of Pradhanmantri Sangrahalaya* , PMML, Teen Murti Bhavan
End of the Conference	

*Those desiring to join may give their names at the registration desk.