



**CSIR for Connect, Collaborate, Converge and Convert (5C)  
for Global Sustainable Development**  
Science Summit at the 80<sup>th</sup> United Nation General Assembly (SSUNGA80)  
Date: 11-18 September 2025; Time: 1400 hrs onwards (IST)



**CSIR's Event in SS UNGA80**  
**“CSIR for Connect, Collaborate, Converge and Convert (5C)  
for Global Sustainable Development”**

**Dates:** 11, 12 and 15-18 September 2025; **Time:** 1400 hrs (IST) / 0430 hrs (EDT) onwards

**Register:** <https://event.sciencesummitnyc.org/signup>

Date	Title of Session
11 September 2025	Shaping Infrastructure for Safer Tomorrow
12 September 2025	Emerging Environmental Challenges: Science-Driven and Scalable Solutions
15 September 2025	Exploring the Ocean: India's path to a blue economy
16 September 2025	Marine Resources for Sustainable Development
17 September 2025	Advanced and Affordable Medical Devices
18 September 2025	Driving Gender-Inclusive Innovation, Gender Equality, and Breaking Barriers - CSIR Case Study

**Day 1 – Inaugural Session of CSIR event “CSIR for Connect, Collaborate, Converge and Convert (5C) for Global Sustainable Development”**  
**Time:** 1430 - 1440 hrs (IST) / 0500 - 0510 hrs (EDT)

**Link:** <https://event.sciencesummitnyc.org/list-of-sessions/detail/291>

Sl. No.	Theme/Title	Topic & Speaker	Time, hrs
	Inaugural Session	<b>Introduction to the meeting</b> <i>Dr Rama Swami Bansal, Head, ISTAD, CSIR</i>	1430
		<b>Welcome address</b> <i>Dr N Kalaiselvi, Director General, CSIR and Secretary, DSIR</i>	1435

**CSIR's Session -1**  
**“Shaping Infrastructure for Safer Tomorrow”**  
**by CSIR-CBRI and CSIR-SERC**

**Date:** 11 September 2025; **Time:** 1440 - 1700 hrs (IST) / 0510 - 0730 hrs (EDT)

**Day 1 - Shaping Infrastructure for Safer Tomorrow by CSIR-CBRI and CSIR-SERC**  
**Session Link:** <https://event.sciencesummitnyc.org/list-of-sessions/detail/291>

Sl. No.	Theme/Title	Topic & Speaker	Time, hrs
<b>Day 1: Scientific Session: 1440 hrs - 1700 hrs (IST)</b> <b>Focused on SDG 9 – Industry, innovation &amp; infrastructure and SDG 11 – Sustainable cities &amp; communities</b>			
<b>Theme 1 – Material, Monitoring and Mitigation (3M) for Safe and Sustainable Infrastructure</b>			
<b>Overview of the Session</b>		<b>Chair:</b> <i>Dr N Anandavalli, Director, CSIR-SERC</i>	1440
1.	<b>3M for Safe and Sustainable Infrastructure</b>	<b>1. Advanced and sustainable construction materials</b> <i>Dr MB Anoop, Chief Scientist, CSIR-SERC</i>	1450
		<b>2. Infrastructure health monitoring and digital technologies</b> <i>Dr Saptarshi Sasmal, Chief Scientist, CSIR-SERC</i>	1500
		<b>3. Disaster resilient infrastructure and post disaster management</b>	1510

Website: [www.csir.res.in](http://www.csir.res.in) ;

Reach out: Dr (Mrs) Rama Swami Bansal, Head, International S&T Affairs Directorate, CSIR, India at Telephone +91-11-23736212; Email: [rsb@csir.res.in](mailto:rsb@csir.res.in)



## CSIR for Connect, Collaborate, Converge and Convert (5C) for Global Sustainable Development

Science Summit at the 80<sup>th</sup> United Nation General Assembly (SSUNGA80)

Date: 11-18 September 2025; Time: 1400 hrs onwards (IST)



		<i>Dr P Harikrishna, Chief Scientist, CSIR-SERC</i>	
		<b>4. Structural assessment of High-Speed Expressway Corridors before their operationalisation</b> <i>Mr J. K. Goyal, Chief Scientist, CSIR-CRRI</i>	1520
		<b>5. Safe and sustainable infrastructure – Industry perspectives</b> <i>Shri CY Shivaji, Design Head, Larsen and Toubro Limited (L&amp;T) (ECC)</i>	1530
Discussion and Q&A			1540
Theme 2 - Climate Resilient Building and Technologies			
Overview of the Session		Chair: <i>Prof R Pradeep Kumar, Director, CSIR-CBRI</i>	1550
2.	Climate Resilient Building and Technologies	<b>1. Climate resilient buildings in Himalayan region</b> <i>Dr Ajay P Chourasia, Chief Scientist, CSIR-CBRI</i>	1600
		<b>2. Sustainable materials for building construction – Issues &amp; challenges</b> <i>Prof SK Singh, Chief Scientist, CSIR-CBRI</i>	1610
		<b>3. Advanced geopolymeric concrete for climate resilient infrastructure</b> <i>Dr Manish Mudgal, Chief Scientist, CSIR-AMPRI</i>	1620
		<b>4. Climate resilient precast building technologies</b> <i>Dr YP Kajale, Sr Vice President (Tech), BG Shirke Const. Pvt. Ltd.</i>	1630
		<b>5. Decarbonisation of construction industry – Strategy and technologies</b> <i>Dr V Ramachandra, President (Tech), UltraTech Cement Ltd.</i>	1640
Discussion and Q&A			1650
Vote of Thanks			1658

### CSIR's Session -2

## “Emerging Environmental Challenges: Science-Driven Scalable Solutions” by CSIR-NEERI (with CSIR-NIIST, CSIR-IIP and CSIR-IICT)

Date: 12 September 2025; Time: 1430 - 1630 hrs (IST) / 0500 - 0700 hrs (EDT)

### Day 2 - Emerging Environmental Challenges: Science-Driven Scalable Solutions by CSIR-NEERI, CSIR-IICT, CSIR-NIIST and CSIR-IIP

Session Link: <https://event.sciencesummitnyc.org/list-of-sessions/detail/292>

S. No.	Theme/Title	Topic & Speaker	Time, hrs
	<b>Scene Setter</b>	<b>Chair: Dr S Venkata Mohan, Director, CSIR-NEERI</b>	1430
	<b>Initial Reflections</b>	<i>Dr D Srinivasa Reddy, Director, CSIR-IICT</i>	1435
		<i>Dr C Anandharamakrishnan, Director, CSIR-NIIST</i>	1440
		<i>Dr Harender Singh Bisht, Director, CSIR-IIP</i>	1445
		<i>Mr Declan Korrane, Chairman and Managing Director, Science Summit at United Nations General Assembly (UNGA)</i>	1450
<b>Scientific Session: 1430 hrs - 1630 hrs (IST)</b> <b>Focused on SDG 7 – Affordable and Clean Energy, SDG 11 – Sustainable Cities &amp; Communities, SDG 13 – Climate Action and SDG 15 – Life on Land</b>			
<b>Overview of the Session</b>		<i>Dr Amit Bansiwala, Chief Scientist, CSIR-NEERI</i>	1455
1.	<b>Emerging Environmental Challenges: Science-</b>	<b>1. Rejuvenation of degraded/ contaminated land through eco-restoration techniques for ecological sustainability</b>	1500

Website: [www.csir.res.in](http://www.csir.res.in) ;

Reach out: Dr (Mrs) Rama Swami Bansal, Head, International S&T Affairs Directorate, CSIR, India at Telephone +91-11-23736212; Email: [rsb@csir.res.in](mailto:rsb@csir.res.in)



## CSIR for Connect, Collaborate, Converge and Convert (5C) for Global Sustainable Development

Science Summit at the 80<sup>th</sup> United Nation General Assembly (SSUNGA80)

Date: 11-18 September 2025; Time: 1400 hrs onwards (IST)



Driven Scalable Solutions by CSIR-NEERI, CSIR-IICT, CSIR-NIIST and CSIR-IIP	Dr Lal Singh, Principal Scientist, CSIR-NEERI	
	<b>2. Biomethanation and beyond: Integrating science, technology, and circular solutions to meet sustainable development goals for a net-zero future</b> Dr A Gangagni Rao, Chief Scientist & Dr Sameena Begum, Scientist, CSIR-IICT	1515
	<b>3. CSIR-IIP for the production of biofuels from UCO / non-edible oils and agro / forestry waste and its implementation</b> Dr Neeraj Atray, Dr Pankaj Kumar & Dr Saleem Farooqui, Scientists, CSIR-IIP	1530
	<b>4. Sustainable resource recovery through onsite wastewater treatment systems</b> Dr Krishnakumar B, Chief Scientist CSIR-NIIST	1545
	<b>5. Stakeholders perspective</b> Technology Licensee and Users	1605
Discussion and Q&A		1620
Closing Segment: The Way Forward – Dr. Mahendra Patil, Chief Scientist, CSIR-NEERI		1625

### CSIR's Session - 3

## “Exploring the Ocean: India's Path to a Blue Economy” by CSIR-NIO

Date: 15 September 2025; Time: 1430 - 1615 hrs (IST) / 0500 - 0645 hrs (EDT)

Day 3 - Exploring the Ocean: India's Path to a Blue Economy by CSIR-NIO			
Session Link: <a href="https://event.sciencesummitnyc.org/list-of-sessions/detail/293">https://event.sciencesummitnyc.org/list-of-sessions/detail/293</a>			
Sl. No.	Theme/Title	Topic & Speaker	Time, hrs
Technical Session: 1430 hrs - 1615 hrs			
Focused on SDG 6 – Clean Water and Sanitation and SDG 14 – Life Below Water			
Overview of the Session		Chair: Prof Sunil Kumar Singh, Director, CSIR-NIO	1430
1.	Exploring the Ocean: India's Path to a Blue Economy	1. From Sea to solution: Useful products & bioprocesses from marine living resources Dr Narsinh L Thakur, Chief Scientist, CSIR-NIO	1445
		2. Non-living ocean resources: Fuelling the future from the deep Dr Abhisek Saha, Principal Scientist, CSIR-NIO	1500
		3. Underwater robots: Helping us study the ocean Mr Pramod Maurya, Senior Principal Scientist, CSIR-NIO	1515
		4. Ocean energy for a sustainable future Dr Saurav Mandal, Senior Scientist, CSIR-NIO	1530
		5. The ocean-climate link: Impacts and insights Dr VVSS Sarma, Chief Scientist, CSIR-NIO	1545
		6. From research to application: CSIR-NIO's technologies and services for the Nation Dr Mandar Nanajkar, Principal Scientist, CSIR-NIO	1600
Discussion and Q&A Moderator – Dr Gonsalves Maria-Judith BD, Senior Principal Scientist			1615

### CSIR's Session - 4

Website: [www.csir.res.in](http://www.csir.res.in) ;

Reach out: Dr (Mrs) Rama Swami Bansal, Head, International S&T Affairs Directorate, CSIR, India at Telephone +91-11-23736212; Email: [rsb@csir.res.in](mailto:rsb@csir.res.in)



## CSIR for Connect, Collaborate, Converge and Convert (5C) for Global Sustainable Development

Science Summit at the 80<sup>th</sup> United Nation General Assembly (SSUNGA80)

Date: 11-18 September 2025; Time: 1400 hrs onwards (IST)

### “Marine Resources for Sustainable Development”

by CSIR-CSMCRI

Date: 16 September 2025; Time: 1430 - 1615 hrs (IST) / 0500 - 0645 hrs (EDT)



Day 4 - Marine Resources for Sustainable Development by CSIR-CSMCRI			
Session Link: <a href="https://event.sciencesummitnyc.org/list-of-sessions/detail/294">https://event.sciencesummitnyc.org/list-of-sessions/detail/294</a>			
Sl. No.	Theme/Title	Topic & Speaker	Time, hrs
	Inaugural Session	<b>Welcome and introductory remarks</b> <i>Dr Parul Sahu, Senior Scientist CSIR-CSMCRI</i>	1430
		<b>Overview of the session</b> <i>Dr Kannan Srinivasan, Director, CSIR-CSMCRI</i>	1435
<b>Technical Session: 1445 hrs - 1715 hrs</b> <b>Focused on SDG 3 – Good Health and Well-being, SDG 6 – Clean Water and Sanitation, and SDG 12 – Responsible Consumption and Production</b>			
		<b>Chair:</b> <i>Dr Kannan Srinivasan, Director, CSIR-CSMCRI</i>	
1.	Marine Resources for Sustainable Development	<b>1. Recent advances in water purification and desalination technologies</b> <i>Dr Puyam S Singh, Chief Scientist CSIR-CSMCRI</i>	1445
		<b>2. Industrial representative</b> <i>Memtrix Technologies, Ahmedabad</i>	1500
		<b>3. Marine algal cultivation and downstream processing technologies</b> <i>Dr Vaibhav Mantri, Senior Principal Scientist, CSIR-CSMCRI</i>	1510
		<b>4. Industrial representative</b> <i>Aquagri Processing Pvt. Ltd., New Delhi</i>	1522
		<b>5. Advances in solar salt technologies @CSIR-CSMCRI, Bhavnagar</b> <i>Dr Arvind Kumar, Chief Scientist, CSIR-CSMCRI</i>	1532
		<b>6. Industrial representative</b> <i>Mr. Bharat Raval, President, Indian Salt Manufacturing Association</i>	1545
Discussion and Q&A			1555
Concluding remarks – <i>Dr Kannan Srinivasan, Director, CSIR-CSMCRI</i>			1600
Vote of Thanks – <i>Dr S Adimurthy, Chief Scientist, CSIR-CSMCRI</i>			1610

### CSIR's Session - 5

### “Advanced and Affordable Medical Devices”

by CSIR-CSIO

Date: 17 September 2025; Time: 1400 - 1545 hrs (IST) / 0430 - 0615 hrs (EDT)

Day 5 - Advanced and Affordable Medical Devices by CSIR-CSIO			
Session Link: <a href="https://event.sciencesummitnyc.org/list-of-sessions/detail/295">https://event.sciencesummitnyc.org/list-of-sessions/detail/295</a>			
<b>Scientific Session: 1400 hrs - 1545 hrs</b> <b>Focused on SDG 3 – Good Health and Well-being</b>			
<b>Overview of the Session</b>		<b>Chair:</b> <i>Prof Shantanu Bhattacharya, Director, CSIR-CSIO</i>	1400
1.	<b>Advanced and Affordable Medical Devices</b>	<b>1. Phenome India - Translating into the era of precision medicine in the Indian landscape</b> <i>Dr Viren Sardana, Principal Scientist, CSIR-IGIB</i>	1410

Website: [www.csir.res.in](http://www.csir.res.in) ;

Reach out: Dr (Mrs) Rama Swami Bansal, Head, International S&T Affairs Directorate, CSIR, India at Telephone +91-11-23736212; Email: [rsb@csir.res.in](mailto:rsb@csir.res.in)



**CSIR for Connect, Collaborate, Converge and Convert (5C)  
for Global Sustainable Development**  
Science Summit at the 80<sup>th</sup> United Nation General Assembly (SSUNGA80)  
Date: 11-18 September 2025; Time: 1400 hrs onwards (IST)



		<b>2. India's decade of innovation: Advancing public health through affordable medical devices for equitable access</b> <i>Dr Sonu Goel, Professor, PGIMER Chandigarh</i>	1422
		<b>3. AI-enabled vision-based technologies for healthcare applications</b> <i>Dr Sanjay Singh, Senior Principal Scientist, CSIR-CEERI</i>	1435
		<b>4. Computational imaging for safer diagnostics</b> <i>Dr Abhishek Gupta, Senior Scientist, CSIR-CSIO</i>	1447
		<b>5. Rehabilitation and assistive technology: CSIR-CSIO spectrum</b> <i>Dr Neelesh Kumar, Chief Scientist, CSIR-CSIO</i>	1450
		<b>6. Affordable assistive devices for Developing Countries</b> <i>Mr Ritesh Srivastava, Deputy General Manager, ALIMCO</i>	1512
		<b>7. CSIR-NPL contributions in Metrology for Health &amp; Quality of life</b> <i>Dr Rajesh, Chief Scientist, CSIR-NPL</i>	1525
<b>Discussion and Q&amp;A</b>			1537
<b>Vote of Thanks</b>			1543

**CSIR's Session - 6**  
**“Driving Gender Inclusiveness and Equality: CSIR a Case Study”**  
**by CSIR-NIScPR**

Date: 18 September 2025; Time: 1430 - 1700 hrs (IST) / 0500 - 0645 hrs (EDT)

**Day 6 - Driving Gender-Inclusive Innovation, Gender Equality, and Breaking Barriers - CSIR Case Study by CSIR-NIScPR**

Link: <https://event.sciencesummitnyc.org/list-of-sessions/detail/296>

Sl. No.	Theme/Title	Topic & Speaker	Time, hrs
	Inaugural Session	<b>Welcome Address</b> <i>Dr Geetha Vani Rayasam, Director, CSIR-NIScPR</i>	1430
		<b>Overview of the session</b> <i>Dr Naresh Kumar, Chief Scientist, CSIR-NIScPR</i>	1450
Scientific Session: 1450 hrs - 1700 hrs Focused on SDG 5 – Gender equality; SDG 8 – Decent work & economic growth; SDG 10 – Reduced inequality and SDG 17 – Partnerships for the goals			
Theme 1 – Gender-Inclusive Innovation: Leveraging Diversity for Scientific Progress			
Overview of the Scientific Session		Chair: Dr. Ranjana Aggarwal, Former Director, CSIR-NIScPR & Outstanding Scientist, CSIR, New Delhi, India	1500
1.	Policy and Advocacy for Equity and Inclusion: Driving Institutional Change for Gender Equality in STEM	<b>1. Advocating for gender-sensitive policies, gender equality plans, to promote equitable opportunities in research and innovation</b> <i>Dr Sanjay Mishra, Former Professor and Senior Advisor, Department of Biotechnology, GoI</i>	1510
		<b>2. From inspiration to aspiration: Female scientists shaping the future</b> <i>Dr. Bhavani Rao, UNESCO Chair on Gender Equality and Women's Empowerment, Amrita Vishwa Vidyapeetham</i>	1530
		<b>3. Gender inclusivity in STI: A case study of CSIR</b> <i>Dr Sandhya Wakdikar, Senior Principal Scientist, CSIR-NIScPR</i>	1540
Discussion and Q&A			1550
Theme 2 – Panel Discussion on STEM for a Changing World			

Website: [www.csir.res.in](http://www.csir.res.in) ;

Reach out: Dr (Mrs) Rama Swami Bansal, Head, International S&T Affairs Directorate, CSIR, India at Telephone +91-11-23736212; Email: [rsb@csir.res.in](mailto:rsb@csir.res.in)



# CSIR for Connect, Collaborate, Converge and Convert (5C) for Global Sustainable Development

Science Summit at the 80<sup>th</sup> United Nation General Assembly (SSUNGA80)

Date: 11-18 September 2025; Time: 1400 hrs onwards (IST)



<b>Overview of the Session</b>		<b>Chair:</b> Dr Akhilesh Gupta, Former Senior Adviser, DST	1555
2.	<b>STEM for a Changing World: Gender-Inclusiveness for Embracing Diversity</b>	<b>Panel experts:</b> <ul style="list-style-type: none"> <li>• Ms. Vartika Joshi, Lieutenant Commander (Retd)</li> <li>• Dr Nadia Asheulova, Director, S.I. Vavilov Institute for the History of S&amp;T, Russian Academy of Sciences, Russian Federation</li> <li>• Dr Sridevi Annapurna Singh, Former Director, CSIR-CFTRI</li> <li>• Dr Disha Ahuja, Managing Director, , Ahuja Engineering Services Pvt Ltd., Secunderabad, India</li> <li>• Dr Tahany AA Aly, Professor (Associate), Regional Center for Food &amp; Feed, Giza, Egypt</li> <li>• Mr Declan Kirrane, Chairman and Managing Director, Science Summit at United Nations General Assembly (UNGA)</li> </ul>	1600
<b>Discussion and Q&amp;A</b>			1630
<b>Vote of Thanks:</b> Dr Naresh Kumar, Chief Scientist, CSIR-NIScPR			1640

Concluding of CSIR Sessions in SSUNGA80 by CSIR Time: 1650 hrs to 1700 hrs (IST)			
Sl. No.	Theme/Title	Topic & Speaker	Time, hrs
	<b>Concluding Session</b>	<b>Concluding remarks</b> Dr Rama Swami Bansal, Head, ISTAD, CSIR	1650