



# M.S. SWAMINATHAN RESEARCH FOUNDATION

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## *International Conference on* **Hunger Free World: Prof. M.S. Swaminathan's Vision for an Evergreen Revolution**

**August 7 - 8, 2024**  
**Venue: MSSRF, Chennai**

### **Background**

Prof. M.S. Swaminathan an icon of Science is also celebrated as a crusader who has been actively involved in global efforts to address social equity, food security, poverty, and environmental issues. Prof. Swaminathan's contributions in the area of eliminating hunger through principles of application of science and technology integrating with public policy and institutional development are well known across the world. He stood as a vocal advocate for sustainable agriculture and served for the rights of farmers through policies to protect farmers' rights. He has highlighted the importance of fair pricing, access to resources, and social support for farmers. Prof. Swaminathan played a pivotal role in making public policy related to biodiversity conservation in advocated the need of participatory management of bioresources for sustainable livelihoods.

His philosophy and vision for evergreen revolution enshrine with the principles of blending traditional wisdom with frontier technologies. With foresightedness, in search of solutions to resolve problems in the areas of environment, biodiversity, food, nutrition and climate with transdisciplinary perspectives, Prof. M.S. Swaminathan made a phenomenal impact through the community-based model for practice and mainstreaming in the public policy space. Prof. Swaminathan has been a strong proponent of bringing sustainable development through scientific veracity, gender and social justice. Prof. M.S. Swaminathan believed in the interconnectedness of science, humanity, and a sustainable future. His work continues to inspire researchers, policymakers, practitioners and advocates in the fields of agriculture and sustainable development.

The proposed International Conference in memory of Prof. M. S. Swaminathan is a significant event that commemorates his life, contributions and his vision for the evergreen revolution. The objective of this conference is to pay tribute to Prof. M. S. Swaminathan's legacy by fostering discussions and collaborations that advance the principles of Evergreen revolution,

conservation and sustainable management of biodiversity and natural resources, sustainable agriculture for food and nutrition security, strengthening climate resilience by adapting to climate change, appropriate technologies for sustainable and equitable livelihoods, engagement of youth, women and marginalized communities in developmental discourse.

**Participants:** The conference will bring together a diverse range of participants including scientists, researchers, policymakers, representatives from international organizations, NGOs, farmers' associations, youth leaders, and other stakeholders committed to evergreen revolution.

## PROVISIONAL PROGRAMME

### August 7, 2024 (DAY : 1) – Wednesday

*Inaugural Session*

**Hunger Free World: Prof. M.S. Swaminathan's Vision for an Evergreen Revolution**

<b>9.30 – 10.15 am</b>	Invocation	<b>Tamizh Thai Vazhthu</b>
	Welcome	<b>Dr. Soumya Swaminathan</b> Chairperson, MSSRF, Chennai
	MSSRF's Impact Report Presentation	<b>Dr. G.N. Hariharan</b> Executive Director, MSSRF, Chennai
	Special Remarks	<b>Mr. K.V. Shaji</b> Chairman, National Bank for Agriculture and Rural Development (NABARD), Mumbai
	Felicitations	<b>Shri. Krishna Byre Gowda</b> Hon'ble Minister for Revenue, Govt. of Karnataka, Karnataka
		<b>Dr. P.T.R. Palanivel Thiaga Rajan</b> Minister for Information Technology & Digital Services, Govt. of Tamil Nadu, Tamil Nadu
	Presidential Address	<b>Shri. Kanak Vardhan Singh Deo (TBC)</b> Hon'ble Deputy Chief Minister - Agriculture and Farmers' Empowerment, Govt. of Odisha, Odisha
	Inaugural Address & Release of MSSRF's Impact Report 2023-2024	<b>Hon'ble Sri Nara Chadrababu Naidu</b> <b>Chief Minister of Andhra Pradesh, Andhra Pradesh</b>
	Vote of Thanks	Organising Secretary
	National Anthem	
<b>10.30 -11.00 am</b>	<b>Inauguration of Exhibition of Farmer Producer Organizations and other Stakeholders</b>	
	<b>Guest of Honour: Dr. P.T.R. Palanivel Thiaga Rajan (TBC)</b> Minister for Information Technology & Digital Services, Govt. of Tamil Nadu, Tamil Nadu	
	<b>Coordinators: Dr. R. Gopinath, Ms. N. A. Anbuvahini and Ms. P. M. Jennifer</b>	
	<b>Tea Break</b>	

<b>11.00 – 12.00 pm</b>	<b>Tribute to Prof M S Swaminathan</b>
	<p><b>Chair: Mr. N. Ram, Chennai (TBC)</b>  Chairman Emeritus, The Hindu Publishing Group, Chennai</p> <p><b>Coordinators: Dr. G. N. Hariharan &amp; Dr. N. Parasuraman</b></p>
	<p style="text-align: center;"><b>‘Green Revolution to Evergreen Revolution’ – Vision of MSS</b></p> <p>Thought leaders, global researchers and friends of Prof. M.S. Swaminathan will share his contributions in the area of the green revolution to the evergreen revolution. The tributes of Prof. M.S. Swaminathan will highlight his pathbreaking achievements in the area of food, nutrition and livelihood security, and well-being of small and marginal holders.</p> <ul style="list-style-type: none"> <li>• <b>Amb. Kenneth M. Quinn</b> President Emeritus, The World Food Prize Foundation, USA</li> <li>• <b>Dr. Bui Ba Bong</b> Former Deputy Minister of Agriculture and Rural Development, Vietnam</li> <li>• <b>Dr. Rudy Rabbinge</b> Professor emeritus in Sustainable Development and Food Security at Wageningen University, Netherlands</li> <li>• <b>Prof. Bruce Alberts</b> Chancellor’s Leadership Chair in Biochemistry &amp; Biophysics for Science and Education, Emeritus at the University of California, San Francisco, USA</li> <li>• <b>Dr. Ismail Serageldin</b> Emeritus Librarian of Alexandria, Founding Director of the Library of Alexandria, Egypt</li> <li>• <b>Prof. P.C. Kesavan</b> Former Executive Director, MSSRF, Chennai</li> <li>• <b>Mr. N. Ram, Chennai (TBC)</b> Chairman Emeritus, The Hindu Publishing Group, Chennai</li> <li>• <b>Prof. K. C. Bansal (TBC)</b> Former Director of the National Bureau of Plant Genetic Resources, New Delhi</li> </ul>
<b>12.00 – 12.15 pm</b>	<p><b>Chair: Dr. Shenggen Fan</b>  Director General &amp; Professor, Agricultural University, China</p> <p><b>Session Coordinator: Dr. G.N. Hariharan</b></p> <hr/> <p><b>Lead Lecture: Dr. Soumya Swaminathan</b>  Chairperson, MSSRF, Chennai</p>

<b>12.15 – 1.45 pm</b>	<b>Session I</b>	
<i>(Each speaker will be given 8-10 minutes maximum for presentation)</i>	<b>Safeguarding the Production Systems for Eliminating Hunger</b>	
	Prof Swaminathan believed in the power of international cooperation to address global food security and environmental challenges. The session will provide a platform for researchers, policymakers, farmers and practitioners to share advanced knowledge and innovative approaches and collaborate on locale-specific and people-centric solutions for the protection and ensure the sustainability of production systems.	
	<b>Chair: Dr. Madhura Swaminathan</b> Professor and Head, Economic Analysis Unit Indian Statistical Institute, Bengaluru	
	<b>Session Coordinators: Dr. R. Rengalakshmi &amp; Dr. V.R. Prabavathy</b>	
	<b>Rapporteurs: Dr. R. Gopinath &amp; Dr. K. Ugalechumi</b>	
	<b>Speakers</b>	
	<b>Prof. Barbara Harriss-White</b> Professor Emeritus, University of Oxford, UK	
	<b>Dr. Shenggen Fan</b> Director General & Professor, Agricultural University, China	
	<b>Dr. Stanford Blade</b> Deputy Director General-Research, ICRISAT, Hyderabad	
	<b>Dr. Jauhar Ali</b> Principal Scientist and Hybrid Rice Breeding Lead at IRRI, Philippines	
<b>1.45 – 2.30 pm</b>	<b>Lunch</b>	
<b>2.30 – 4.00 pm</b>	<b>Session II</b>	
<i>(Each speaker will be given 8-10 minutes maximum for presentation)</i>	<b>Biodiversity for Food and Livelihood Security</b>	
	Prof. M.S. Swaminathan believed that the biodiversity is the foundation for ecological, economic and social security. He advocated integrated management of biodiversity is the key for ensuring ecological sustainability and social providence. Biodiversity conservation, strategies for sustainable utilization of intra and inter species diversity and associated ecosystems, promoting agroecological practices, and advanced science and technology	

	methods for safeguarding and leveraging benefits of biodiversity and natural resources for nutrition, health and livelihoods will be discussed in this session.
	<b>Chair: Dr. Trilochan Mohapatra</b> Chairperson, Protection of Plant Varieties and Farmers' Rights Authority, New Delhi
	<b>Co-Chair: Mr. Sameer Shisodia</b> CEO, Rainmatter Foundation, Bengaluru
	<b>Session Coordinators: Dr. E.D.I. Oliver King &amp; Mr. Prashant Kumar Parida</b>
	<b>Rapporteurs: Mr. Girigan Gopi &amp; Dr. D.J. Nithya</b>
	<b>Speakers</b>
	<b>Dr. P. Balakrishna</b> Head of Biodiversity, Land and Governance Programme, UNEP, Nairobi
	<b>Dr. Yash Veer Bhatnagar</b> Country Representative, International Union for Conservation of Nature (IUCN), New Delhi
	<b>Prof. Darshan Shankar</b> Vice Chancellor, The University of Trans-Disciplinary Health Sciences and Technology, Bengaluru
	<b>Dr. E.D.I. Oliver King</b> Director – Biodiversity, MSSRF, Chennai
<b>4.00 - 4.20 pm</b>	<b>Tea Break</b>
<b>4.20 - 5.50 pm</b>	<b>Session III</b>
	<b>Empowering Women, Youth, Smallholder Farmers, Fishers and Tribal communities for Food Security, Nutrition and Health</b>  This session will lay special emphasis on uplifting women and youth especially in the marginalized sections. It will also deliberate the challenges faced by them and ensuring their participation in economic and social development. Further it will examine policies, programs, and initiatives aimed at empowering these section of society nationally.
<b>Special Address</b>	<b>Tmt. N. Kayalvizhi Selvaraj</b> , Adi Dravidar Welfare, Hill Tribes and Bonded Labour Welfare, Government of Tamil Nadu
	<b>Chair: Shri. Bibhu Nayar</b> Secretary, Ministry of Tribal Affairs, Govt. of India, New Delhi

	<b>Session Coordinators: Dr. V. Shakeela &amp; Dr. Bharati Sahu</b>	
	<b>Rapporteurs: Dr. Pratheepa &amp; Ms. P.M. Jennifer</b>	
	<b>Speakers</b>	
		<b>Dr. Nikita Gopal</b> Chair of the Gender in Aquaculture and Fisheries Section of the Asian Fisheries Society, and Division Head, ICAR-CIFT, Cochin
		<b>Prof. Nitya Rao</b> Professor, Gender and Development University of East Anglia, UK
		<b>Dr. Vijayakumar Mani</b> Co-Founder and Director, I support Farming, Chennai
		<b>Ms. Vennila</b> Tribal Women Representative Kolli Hills, Tamil Nadu
		<b>Smt. Uma Mahadevan Dasgupta, IAS</b> Additional Chief Secretary to the Govt. of Karnataka, Karnataka

## M S Swaminathan Global Leadership Award 2024

### *Award ceremony*

<b>06.30 pm</b>	Invocation	<b><i>Tamizh Thai Vazhthu</i></b>
<b>06.35 - 06.38 pm</b>	<b>Welcome</b>	
<b>06.39 - 06.45 pm</b>	About the Award	<b>Dr. M.J. Khan</b> Chairman, The Indian Chamber of Food and Agriculture, President, Agriculture Today Group, New Delhi
<b>Felicitations</b>		
<b>06.46 - 06.53pm</b>	Felicitations	<b>Dr. Soumya Swaminathan</b> Chairperson, MSSRF, Chennai
<b>06.54 - 07.00 pm</b>	Felicitations	<b>Hon'ble P. Sathasivam</b> Former Chief Justice of India & Former Governor of Kerala

<b>07.00 - 07.05 pm</b>	Introducing the Award Recipient and reading the citation	<b>Dr. G. N. Hariharan</b> Executive Director, MSSRF, Chennai
<b>07.06 - 07.10 pm</b>	Award presentation	<b>Hon'ble Thiru. R. N. Ravi</b> Governor of Tamil Nadu, Tamil Nadu
<b>07.11 - 07.20pm</b>	Acceptance Speech	<b>Dr. Lindiwe Sibanda</b> Chair, CGIAR System Board, Switzerland
<b>07.21 - 07.35 pm</b>	Chief Guest's Address	<b>Hon'ble Thiru. R.N. Ravi</b> Governor of Tamil Nadu, Tamil Nadu
<b>07.35 - 07.38 pm</b>	Vote of Thanks	
<b>07.39 -07.44 pm</b>		National Anthem
<b>07.45</b>		Dinner

## August 8, 2024 (DAY : 2) – Thursday

<b>9.30 – 10.10 am</b>	<b>Chair: Dr. T. Ramasami</b> Trustee, MSSRF
	<b>Lead Lecture: Dr. S. Somanath</b> Chairman, Indian Space Research Organisation (ISRO), Bengaluru
	<b>Session Coordinator: Dr. G.N. Hariharan</b>
<b>10.10 – 11.30 am</b>	<b>Session IV</b>
<i>(Each speaker will be given 8-10 minutes maximum for presentation)</i>	<p style="text-align: center;"><b>Integrated Coastal System Management for Strengthening Resilience and Equity</b></p> <p>Coastal regions are highly vulnerable to climate change. The lives and livelihoods of coastal communities are often impacted due to natural disasters imposed by climate change. There are successful models nurtured by MSSRF with abled leadership of Prof M S Swaminathan over the last 30 years. The session will discuss about the current challenges in the coastal regions and deliberate on adaptation and mitigation pathways to combat impact of future climate vulnerabilities.</p>



	<p><b>Chair: Prof. Ramesh Ramachandran</b>          Founder Director, National Centre For Sustainable Coastal Management (NCSCM), Chennai</p>
	<p><b>Co-Chair:</b> (WorldFish Lead-India representative)</p>
	<p><b>Session Coordinator: Dr. R. Ramasubramanian &amp; Dr. S. Velvizhi</b></p>
	<p><b>Rapporteurs: Ms. N. A. Anbuahini &amp; Dr. S. N. Boopathy</b></p>
	<p style="text-align: center;"><b>Speakers</b></p>
	<p><b>Prof. Donald J. Macintosh</b>          Former IUCN-MFF Regional Co-ordinator, Centre for Tropical Ecosystems Research, University of Aarhus, Denmark</p>
	<p><b>Dr. Purvaja Ramachandran</b>          National Centre For Sustainable Coastal Management (NCSCM), Chennai <b>(TBC)</b></p>
	<p><b>Dr. Rupesh Bhomia</b>          Scientist, Center for International Forestry Research, Indonesia</p>
	<p><b>Dr. S. Velvizhi</b>          Area Director – Coastal Systems/ Fisheries, MSSRF, Chennai</p>
	<p><b>Ms. R. Meera</b>          Fisher Women, Pichavaram, Tamil Nadu</p>
	<p><b>Dr. Arun Padiyar Panemangalore</b>          WorldFish Lead-India, Odisha</p>
<b>11.30 – 11.50 am</b>	<b>Tea Break</b>
<b>11.50 – 1.20 pm</b>	<b>Session V</b>
	<p style="text-align: center;"><b>Climate Resilience, Policy and Practices</b></p> <p>Prof Swaminathan championed efforts to develop climate-resilient crops and practices, recognizing the challenges posed by climate change. Several anticipatory, Participatory, policy research programmes advocated by Prof Swaminathan will be discussed in the light of contemporary global and local challenges of climate. Discussions will revolve around policy and practice from the perspective of equity and climate justice.</p>
	<p><b>Chair: Dr. P. Senthil Kumar, IAS</b>          Principal Secretary, Dept. of Environment, Climate change and Forests, Govt. of Tamil Nadu, Tamil Nadu</p>
	<p><b>Co-Chair Prof. T. Jayaraman, Senior Fellow, MSSRF, Chennai</b></p>
	<p><b>Session Coordinator: Mr. R. Goutham</b></p>

	<b>Rapporteurs: Mr. Peeyush Priya &amp; Mr. R. Goutham</b>
	<b>Speakers</b>
	<b>Dr. Youba Sokona</b> Former Vice-Chair, IPCC
	<b>Dr. Madhura Swaminathan</b> Professor and Head, Economic Analysis Unit, Indian Statistical Institute, Bengaluru
	<b>Dr. Purnamita Dasgupta</b> Professor, Institute of Economic Growth, University of Delhi, New Delhi
	<b>Mr. Aromar Revi</b> Director, Indian Institute of Human Settlements (IIHS), Bengaluru
<b>1.20 - 2.10 pm</b>	<b>Lunch</b>
<b>2.10 - 3.40 pm</b>	<b>Session VI</b>
	<b>Technology and Innovation in Agriculture and Allied Sector</b>
	Prof Swaminathan is the pioneer in the use of modern technology in agriculture for ensuring food security. His foresighted vision for blend of traditional wisdom with frontier technology is novel. This session will identify suitable technologies to enhance agricultural productivity. The session will explore the role of cutting-edge technologies, including AI, precision agriculture, and biotechnology, in modern agriculture.
	<b>Chair: Dr. C. Chandramouli, Trustee, MSSRF</b>
	<b>Session Coordinator: Dr. Gayatri Venkataraman &amp; Mr. P. Manilal</b>
	<b>Rapporteurs: Dr. Rebecca Mathew &amp; Dr. R. Murugan</b>
	<b>Speakers</b>
	<b>Dr. C. Viswanathan</b> Joint Director – Research Indian Agricultural Research Institute, New Delhi
	<b>Dr. Motti Levin</b> Group CEO, Haifa Group, Israel
	<b>Dr. B.M. Prasanna</b> Maize Program Director (GMP), CIMMYT, Kenya

		<b>Dr. B. Ravindran</b> Head, Robert Bosch Centre for Data Science and AI, IIT Madras, Chennai
		<b>Ms. Kalaivani Rajendran</b> Progressive Women Farmer Thanjavur, Tamil Nadu
		<b>Dr. R. Rengalakshmi</b> Executive Director – Ecotechnology & Area Operations, MSSRF, Chennai
<b>3.40 – 4.00 pm</b>	<b>Tea Break</b>	
<b>4.00 – 5.30 pm</b>	<b>Session VII - Plenary Panel Discussion</b>	
	<b>Evergreen Revolution for Achieving Sustainable Food and nutrition Security</b>	
	Prof Swaminathan’s vision for evergreen revolution contributes to international and national goals such as SDGs, Climate and Biodiversity their national Targets. This session will analyze policy frameworks and governance structure that are needed for inclusive and sustainable food security for all. The panelists will discuss how the visionary thoughts of Prof Swaminathan can guide national and international policies.	
	<b>Chair: Dr. Soumya Swaminathan, Chairperson, MSSRF, Chennai</b>	
	<b>Co-Chair: SBI Representative, Mumbai</b>	
	<b>Session Coordinator: Dr. G. N. Hariharan and Dr. N. Parasuraman</b>	
	<b>Rapporteurs: Dr. D. J. Nithya &amp; Mr. Girigan Gopi</b>	
	<b>Speakers</b>	
	<b>Dr. Lindiwe Sibanda</b> Chair, CGIAR System Board, France	
	<b>Mr. B. V. R. Subramaniam, IAS</b> CEO, NITI Aayog, New Delhi	
	<b>Dr. Elhadj As Sy</b> Chair of the Board, Kofi Annan Foundation, Switzerland	
	<b>Prof. S. Mahendra Dev</b> Former, Director, Indira Gandhi Institute for Development Research, New Delhi	

		<p><b>Shri. A.K. Saseendran (TBC)</b>  Hon'ble Minister for Forests and Wildlife Protection, Govt. of Kerala, Kerala</p>
		<p><b>Thiru. Udhayanidhi Stalin (TBC)</b>  Hon'ble Minister of Youth Welfare, Sports Development, Special Programme Implementation Department &amp; Poverty Alleviation Programme and Rural Indebtedness, Govt. of Tamil Nadu, Tamil Nadu</p>
<b>5.30 pm</b>	<b>Vote of Thanks and Closing</b>	
	<b>High Tea</b>	