

XIII Triennial Conference of the Indian Women Scientists' Association on "Sustainable Development in India: Role of Science and Technology"

2nd- 4th Dec. 2016,



**IWSA's-ICICI Multipurpose Hall, IWSA Campus,
Sector 10 A, Plot 20, Vashi, Navi Mumbai 400703**



2nd Dec. 2016

8am-9am	REGISTRATION		
9 am -11 am	INAUGURATION		
	Welcome	Dr. Devaki Ramanathan, President, IWSA	
	About the Conference	Dr. Surekha Zingde, Vice President, IWSA & Convener of Conference	
	Inaugural Address	Prof. Shyam Asolekar, Centre for Environmental Science and Engineering, IITB, Mumbai	
	Address & Release of Abstract Book by Guest of Honour	Mrs. Prajakta Lavangare-Verma, IAS Jt. MD. CIDCO, Navi Mumbai	
	Acknowledgements	Dr. Lalitha Dhareshwar, Secretary, IWSA	
11 -11.15 am	Tea		
11.15 am to 1.00 pm	Energy I Abstract No.	Chairperson: Dr. G. K. Dey, Director, Materials Group, BARC	
	Key Note Lecture	Dr. Rangan Banerjee, Dept of Energy Science and Engineering, IITB, Mumbai	Sustainable Energy for the Future : Challenges for India
	IT1	Dr. Arvind Lali, DBT-ICT Centre for Energy Biosciences ICT, Mumbai	Biofuels: What, When and How
	IT2	Dr. Chetan Solanki, Department of Energy Science and Engineering IITB, Mumbai	Sustainable solar electricity solutions through horizontal and vertical expansions in rural areas
	IT3	Mr Prashant Kokil, Corporate Environment & Climate Change, The Tata Power Company Ltd., Mumbai	Renewable Energy: Future and Challenges
1.00-2.30 pm	Lunch & Posters		
2.30 pm-4.10 pm	Energy II Abstract No.	Chairperson: Prof. S. Kailas, Raja Ramanna Fellow, BARC & CEBS- UOM-DAE, Mumbai	
	IT4	Dr. Mahua Mukherjee Department of Architecture & Planning IIT, Roorkee	Urban Resource Conservation to Save Energy
	IT5	Dr. Umashankari, Reactor Physics Design Division, BARC, Mumbai	Power from Thorium - The Indian scenario
	IT6	Mr. B. G. Tilak, Technical Center. SAR Region, Bureau Veritas India.	Energy Conservation in Everyday Life for Sustainability
	IT7	Dr. Shyamala Bharadwaj, Ex- Chemistry Division, BARC, Mumbai	Utilizing Nuclear Energy for Hydrogen Generation
4.10-4.25	Tea		
4.25 -5.15 pm	Energy III Abstract No.	Chairperson: Dr. R. Nagarajan, CEBS, Mumbai	
	E12	Dr. Sunita Mahajan, Ex-MET ICS,	Shifting to Cloud Technology for

		Mumbai	Sustainability and Green Computing
	E7	Ms. Gitamayee Sahu, SNDT Womens' University, Mumbai	Energy Saving Methods using Green Communication Technology
	E2	Dr. Prasad Mandade, IITB, Mumbai	Assessing Sustainability of Biofuels from Indian Context: Some Insights
	E10	Ms. Jayanti T, IGCAR, Kalpakkam	The Role of Human Machine Interface in Efficient Plant Monitoring and Control of PFBR
	Short break		
5.30 pm - 6.30pm	EVENING TALK		
		Chairperson: Dr. Saswaty Roy, Ex- BARC, Mumbai	
		Dr. Anil Kakodkar, Chairman, TIFAC, & Ex. Chairman AEC, Secretary DAE	Snap Shot of India 2035-A Technology Vision
	High Tea		

3rd Dec. 2016

9.00 am - 9.20 am	Energy IV Abstract No.	Chairperson: Dr. Shyamala Bharadwaj, IWSA	
	E9	Ms. Minakshi Mishra, Reliance Industries Ltd., Navi Mumbai	4D seismic-future oil & gas exploration
	E13	Ms. Jemima Ebenezer, IGCAR, Kalpakkam	Energy Harvesting in Wireless Sensor Networks
	Break 5 min		
9.30 am - 11.10 am	Water I Abstract No:	Chairperson: Dr. Vijay Kulkarni-Shapoorji Pallonji	
	Key Note Lecture	Dr. P.P. Mujumdar, Interdisciplinary Centre for Water Research, IISc, Bangalore	Sustainable Water Management in India: Implications of Climate Change
	IT8	Dr. Pushpito Ghosh, ICT, Mumbai	Water – A Stressful Situation: The Challenges before us & the Innovations that will be necessary for Sustainability
	IT9	Ms. Parineeta Dandekar, SANDRP, Pune	Ecological management of Rivers
	IT10	Dr. Saly Pannicker, BARC, Mumbai	Rural- Friendly Drinking Water Purification Systems
	Tea		
11.20 am - 1.00 pm	Water II Abstract No.	Chairperson: Dr B.S. Mahajan, IWSA	
	IT11	Dr. Mahesh Zingde, ex NIO-RC, Mumbai	Consequences of human induced alterations to marine environment in India
	IT12	Dr. Anjali Parasnis, TERI, Navi Mumbai	Impact of Climate Change on Water Resources
	W5	Ms. Annie Thomas Heavy Water Board, Mumbai	Water Resource Management Strategy adopted at Heavy Water Plants - Conservation and Waste Water Treatment
	F6	Ms. Beena Nathani MSU, Vadodara	Utility of Remote Sensing and GIS in Land Use Land Cover Mapping of Narmada District for Sustainable Land and Watershed Management
	E1	Ms. Prerana Goswami, ICT,	Potential of Wave Energy

		Mumbai	along Western Coast of India
	W4	Mr. Alok Singh, VES College, Mumbai	Development of an Effective Microbial Consortium for Greywater Treatment
1.00 pm-2.30 pm	Lunch & Posters		
2.30 pm - 4.00 pm	Food & Agriculture I Abstract No:	Chairperson: Dr. Susan Eapen, IWSA	
	IT13	Prof. Sharad Kale, Symbiosis International University, Pune ; Ex- BARC	Food Security: integration of agricultural production with preservation and food processing
	IT14	Dr. Srinivasu P, Digital Farming Initiatives, TCS-Ltd, Hyderabad	Transforming Rural India with PRIDE™
	IT15	Dr. Archana Mukherjee CTCRI, Bhubhaneshwar	Tropical Tuber Crops - An Alternative for Food, Nutrition and Livelihood Improvement
	IT16	Seema Mishra, SIES Indian Institute of Environment Management, Navi Mumbai	Role of Beneficial Microorganisms in Sustainable Agriculture: Current Scenario and Future Prospects
4 to 4.10	Tea		
4.10 pm-5.10 pm	Food & Agriculture II Abstract No:	Chairperson: Prof. Debjani Dasgupta, D.Y. Patil University, Navi Mumbai	
	F1	Dr. Jessy Pius, Ramnarain Ruia College, Mumbai	Vertical Farming – Rising High For A Greener Tomorrow
	F4	Ms. Abhisha Joshi, MSU-Vadodara	CO2 Flux Assessment for Sustainable Management of Certain Plant Species
	F11	Dr. Savitri Bhat, B M S College of Engineering, Bangalore	Pilot Scale Production and Characterization of Manure from Food Wastes
	N1	Yogendra Shastry IITB, Mumbai	Sustainability in Science and Technology: Challenges in Research and Education
	Tea & posters		
5.15 to 6.15pm		IWSA's Central Council Meeting	
6.15 pm- 7.15pm		Cultural show	
7.30 to 8.30 pm		Dinner	

4th Dec. 2016

9.00 am - 10.30 am	Food & Agriculture III Abstract No:	Chairperson:- Dr. Rita Mulherkar, ex ACTREC, Navi Mumbai	
	IT17	Dr. R.B. Patil, ex- CIPHET, Ludhiana	Post Harvest Technology Innovations for Increasing Farmers Income
	IT18	Dr. Smita Lele, ICT, Mumbai	Sustainable technologies for fruit & vegetable processing in India

	IT19	Dr. P. V. Narayanan SIES, School of Packaging, Navi Mumbai	Role of Packaging Science and Technology
	IT20	Prof. G. Sandhya Kiran, MSU, Vadodara	Role of Geomatics in Sustainable Development
10.30 am- 10.45 am	Tea		
10.45 am - 1.00 pm	NGOs & citizen participation I Abstract No:	Chairperson- Dr. Sugra Chunawala, Homi Bhabha Centre for Science Education, Mumbai	
	Key note Lecture	Mr. Chandrashekar Bhadsavle, Saguna Baug, Neral	Role of Indian Woman Farmer in Sustainable Development of India by using Smart Agriculture Technology – SRT (Saguna Rice Technique).
	IT21	Mrs. Jyoti Mhapsekar, Stree Mukti Sanghatana, Mumbai	Human Face of Solid Waste Management
	IT22	Ms. Janjri Jasani, CERE, Mumbai	Review of CERE's Work with a Focus on Carbon Management
	IT23	Ms. Richa Chaturvedi CHINTAN, New Delhi	CHINTAN - Environmental Research and Action Group
	IT24	Dr. Jayshree Phadnis, VES College, Mumbai	Innovative Home Composting of Kitchen Waste - A Reality
1.00- 2.30	Lunch & posters		
2.30 pm - 3.15 pm	NGOs & citizen participation II Abstract No:	Chairperson: Ms. Vrushali Magdum, NGO Forum, Vashi, Navi Mumbai	
	W3	Ms. Valeire Monteiro, Action for Food Protection, (AFPRO), New Delhi	Role of Science and Technology in Participatory Management of Groundwater: Experiences from Rural India
	N5	Ms. Vijaya Chakravarty IWSA, Navi Mumbai	Childrens' Experience of Wild Food Plants: Key to Conservation and Sustainability of the Natural World
	N3	Ms. Jalaja Madan Mohan, IGCAR, Kalpakkam	Science and Society: Role of Public Awareness in Governmental Organizations
3.15 pm- 4.15 pm	Panel Discussion	Moderator: Dr. Lalitha Dhareshwar, IWSA, Dr. Jayshree Phadnis, VES College, Mumbai, Dr. V.S. Shivankar, KBP College, Navi Mumbai, Dr. A. P. Jayraman, IDP, Mumbai	The Way Forward for Sustainable Development in India
4.15 pm- 5.15 pm	Valedictory	Chief Guest : Dr. Sanjay Deshmukh, Vice Chancellor, University of Mumbai	
	High Tea		