

**Moderator**

**Session: Sustainable Urban Living**

# **Dr. Roshni Udyavar Yehuda**

**Architect**

**Consultant**



**Dr. Roshni Udyavar Yehuda** is an Architect, Academician and Environment Consultant whose core competency lies in energy and environmental design of buildings – Building Energy Simulation; Green Building Certification; Building Physics and Solar Passive Architecture.

Roshni has a **Ph.D. in Resource Management on ‘Structural Configuration and Thermal Behavior of Buildings’**, SNTD

University, Mumbai and a **Masters Degree in Architecture (M.Arch.)** from the Academy of Architecture, Mumbai. She is a qualified **Master Trainer and Empanelled Expert on the Energy Conservation Building Codes of India** awarded by the Bureau of Energy Efficiency (BEE)-UNDP-GEF collaboration, Govt. of India (February 2015). She has completed a course on „**Renewable Energy as a Catalyst for Community Development**’ organized by MASHAV, Ministry of Foreign Affairs, Israel, November-December 2018.

She is **Director, Roshni Udyavar and Associates; President, Institute of Environmental Architecture and Research (IEAR), Mumbai**; served as Head – Operations, for the project on ‘**Promoting Clean and Energy Efficient Cold-Chain in India**’ for MP Ensystems Advisory Pvt. Ltd. in collaboration with Shakti Sustainable Energy Foundation, New Delhi and University of Birmingham, UK (March 2019), **Vice President, Sustainability, ICMQ Certification India Pvt. Ltd.** (till July 2018) and **Head, Rachana Sansad’s Institute of Environmental Architecture (RSIEA)**, Mumbai that offered postgraduate degree programs in Environmental Architecture from June 2003 to July 2017.

She is **Principal Investigator (PI)** in the DST (Department of Science and Technology, Govt. of India) project on “Developing Energy Efficient and ECBC compliant opaque wall assembly for warm-humid and hot-dry climate in India” being conducted under the Science and Technology Park, where she serves as **Advisor, Environment & Sustainability**. She is **Member, Scientific Committee, Beyond 2020, The World Sustainable Built**

**Environment Conference, Gothenburg, Sweden, 9 - 11 June 2020.**

She has garnered a wide range of practical experience in environmental research, pedagogy and implementation from **1997-2003 at the International Institute for Sustainable Future, a United Nations NGO DPI affiliated organization based in Mumbai and New York.** She has travelled widely for professional presentations, lectures and study programs related to sustainable development in **20 countries.**

Through the Rachana Sansad's Institute of Environmental Architecture, she initiated environmental and social projects related to water management, rain water harvesting and sustainable development. She was **leader for the project of 'Developing a roadmap for the implementation of Energy Conservation Building Codes in Maharashtra'** by the Rachana Sansad's Institute of Environmental Architecture in 2013-15 in collaboration with the Urban Development Department (UDD) and Maharashtra Energy Development Agency (MEDA), Govt. of Maharashtra.

Roshni has delivered lectures at the **University of Vienna, Austria, and the Arizona State University, USA.** She also lectured at New York University (NYU), Abu Dhabi and Hong Kong University as part of a series entitled **'Situating Urban Sustainability' in 2009-10.** She was part of the **United States Agency for International Development (USAID)** sponsored Indian delegation to study Green Buildings in the United States in 2004. **In August 2016, July 2017, July 2018 and September 2019 through collaboration with the Bezalel Academy of Arts, Jerusalem, Israel,** she organized a joint interdisciplinary workshop on sustainable design in Jerusalem and Mumbai.

As a writer and a professional, she has numerous articles and writings to her credit in various journals and books. At the 34<sup>th</sup> international conference on **Passive and Low Energy Architecture – PLEA 2018, December 2018, Hong Kong,** she received the **'Best Paper Award'** for the paper co-authored with **Dr. Archana Bhatnagar** entitled **'Assessment of ThermODrain System on Thermal Comfort – study of a office building in Nashik, India'.** She co-authored the book, **'Survival at Stake: An Anthology of Essays by Rashmi Mayur'** in 2012. She is committed to local and global sustainability through creative educational and professional initiatives, and appropriate technology, with an emphasis on equity, scientific thought and ecological values.

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