

# The Potential of Bamboo as a Material for Sustainable Construction in Iran

Monday

13th March 2023

## OUR SPEAKERS



**MASSAMBA THIOYE**

*Project Executive, UN Climate Change Global Innovation Hub, UNFCCC secretariat*

Massamba Thioye is leading at the UNFCCC secretariat, the development of (i) regulations pertaining to the measurement of climate action impact, (ii) incentive mechanisms for climate and sustainability action and (iii) a framework to enhance the use of innovation to support climate and sustainability actions.

He recently initiated the UN Climate Change Global Innovation Hub and is leading its development as executive. He is also Advisory Committee member of the European Green Digital Coalition and member of the Strategic Advisory Board of the "Our 2050 World" initiative of the British Standard Institution.



**CARLOS RUIZ GARVIA**

*Project Executive, UN Climate Change Global Innovation Hub, UNFCCC secretariat*

Carlos Ruiz-Garvia joined the UNFCCC secretariat (UN Climate Change) more than 11 years ago, where he is currently appointed as a Project Manager of the Global Innovation Hub (UGIH). Mr. Ruiz-Garvia is a graduate of Forestry Engineering (Universidad de Concepción, Chile), has a PhD in Agricultural Engineering (University of Göttingen, Germany), a M.Sc. in Forestry from the same university, a Project Management Diploma (University of Stetson, USA) and Economics at Harvard. His master thesis on Climate was granted an international award for excellence in forestry sciences. Throughout his career, Carlos provided leadership to multi-stakeholder organizations committed to innovations on sustainability standards.



**MAJID JAVANMARD**

*Vice President of Communication with Industry and Technology Commercialization, IROST*

Majid Javanmard (D.V.M & Ph.D.) is a food hygienist and technologist working at Iranian Research Organization for Science & Technology (IROST) and in the last two years he worked on food microbial decontamination, novel technologies development on food shelf life improvement and processing, food waste and by-products valorization, extraction and purification of metabolites from medicinal and herbal plants and active/intelligent food packaging. He is now the vice president of the Iranian Research Organization for Science and Technology in industrial relations.



**NASRIN MOAZAMI**

*Advisor to the Head of the Organization in Research and Technology Affairs, IROST*

Nasrin Moazami is an Iranian medical microbiologist and biotechnologist. She received her Ph.D. in 1976, from the Faculty of Medicine at Laval University. Moazami is the pioneer of biotechnology and microalgae-based fuels in Iran.



**LIU KEWEI**

*Coordinator of Global Bamboo Construction Programme, the International Bamboo and Rattan Organization (INBAR)*

Since 2008, Mrs K. W. Liu has been working on promoting bamboo construction around the world. She managed more than 20 international bamboo construction projects and participated the establishment of INBAR Bamboo Construction Task Force. As the Convener of Working Group 12 on Structural Use of Bamboo within the Timber Structures Technical Committee of International Organization for Standardization (ISO TC165 WG12), she is working on the development and revision of international standards of structural uses of bamboo with global experts.



**EDWIN ZEA ESCAMILLA**

*Sustainability assessment of bamboo-based social housing, Chair for Sustainable Construction, ETH Zürich; Task Force on Bamboo Construction, INBAR*

Dr. Edwin Zea Escamilla is a highly accomplished expert in the field of sustainable construction and bio-based materials, with an impressive publication record that includes numerous scientific articles and book chapters. Dr. Zea's research and expertise have been honed through years of academic study, including a doctoral degree from ETH Zürich and an MSc from Wageningen University.



**COORDINATOR:  
ATIE BABAIE**

*UN Climate Change Global Innovation Hub*

Atie Babaie is a doctorate candidate in Alternative Dispute Resolution in Climate Change and Sustainability Litigations at Basel University. After her professional experience as an international lawyer and experienced arbitrator with a demonstrated history of working in the legal services industry, environmental litigations and energy companies in Iran, she got her LL.M. in International Dispute Settlement (MIDS) in Switzerland. She is presently working with the UN Climate Change Global Innovation Hub to develop the UGIH projects in the Middle East region.





# AGENDA

## THE POTENTIAL OF BAMBOO AS A MATERIAL FOR SUSTAINABLE CONSTRUCTION IN IRAN

MONDAY, 13TH MARCH 2023



| Time          | Description  | Speaker   |
|---------------|--|---|
| 10:30 - 10:35 | Welcoming Remarks  | <b>Ms. Atie Babaie</b> , UN Climate Change Global Innovation Hub  |
| 10:35 - 10:45 | Keynote Speech   | <b>Mr. Majid Javanmard</b> , Vice President of Communication with Industry and Technology Commercialization, IROST  |
| 10:45 - 11:05 | Transformative Innovation  | <b>Mr. Massamba Thioye</b> , Project Executive, UN Climate Change Global Innovation Hub   |
| 11:05 -11:25  | An Overview of the Global Bamboo Construction Sector: Opportunities and Challenges | <b>Ms. Liu Kewei</b> , Global Bamboo Construction Programme Coordinator, (INBAR) (TBC)  |
| 11:25- 11:45  | Affordable Disaster Resistant Bamboo Housing                                       | <b>Mr. Edwin Zea Escamilla</b> , Sustainability assessment of bamboo-based social housing, Chair for Sustainable Construction, ETH Zürich; Task Force on Bamboo Construction, INBAR |
| 11:45 - 12:05 | Bamboo in Iran   | <b>Ms. Nasrin Moazami</b> , Advisor to the Head of the Organization in Research and Technology Affairs, IROST   |
| 12:05- 12:25  | Moderated Panel Discussion   | <b>Moderator: Mr. Carlos Ruiz-Garvia</b> , Project Manager, UN Climate Change Global Innovation Hub   |
| 12:25 - 12:30 | Closing remarks  | <b>Ms. Atie Babaie</b> , UN Climate Change Global Innovation Hub  |



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