

6TH SUSTAINABILITY AND RESILIENCE CONFERENCE: INTEGRATION OF NATURE-BASED SOLUTIONS IN INDUSTRIAL AND DEVELOPMENTAL TRANSITIONS

DECEMBER 22-23, 2024, ONLINE CONFERENCE

University of Bahrain

INTRODUCTION

As the global community continues to navigate the complexities of sustainability and resilience, the need for innovative and integrative solutions is advancing. In this spirit, the University of Bahrain is delighted to host the 6th International Conference in Sustainability and Resilience, taking a significant leap forward with this year's theme: Integration of Nature–Based Solutions in Industrial and Developmental Transitions.

Building on the foundation laid by the previous Sustainability and Resilience Conferences, this year's conference aims to bridge the gap between natural ecosystems, green solutions, and industrial and developmental sectors. The University of Bahrain is committed to offering a platform that encourages the exchange of groundbreaking research, innovative strategies, and practical insights through the conference. Participants from across the globe—researchers, industry professionals, policymakers, and community leaders—are invited to share their experiences, challenges, and successes in integrating nature-based solutions for a sustainable future. By offering a blend of academic rigor and practical applications, the 6th International Conference in Sustainability and Resilience aspires to catalyze action, inspire collaboration, and contribute to the global dialogue on sustainability and resilience.

The conference is structured around seven key tracks, each addressing vital aspects of sustainability and resilience through the lens of nature-based solutions. These tracks will be explored through plenary sessions, and technical discussions, providing a comprehensive overview of current trends, challenges, and opportunities in utilizing nature for industrial and developmental transitions.



RACKS

- Ecosystem and Biodiversity-Centric Nature-Based Solutions for Developmental Projects
- Renewable Energy and Nature-Based Solutions
- Industrial Symbiosis and Circular Economy
- Water Management and Conservation
- Climate Change Adaptation and Mitigation
- Policy Support, Financing, and Incentives for Green Solutions
- Technological Innovations and Nature-Based Solutions

COMMITTEES



Conference ChairpersonPresident of University of Bahrain

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Dr. Ghadeer Ismail

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Kingdom of Bahrain.



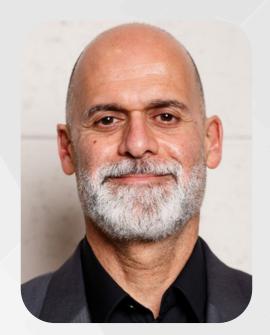
Prof. D. Devaraj

Department of Electrical and
Electroncis Engineering,

Kalasalingam Academy of Research
and Education



Prof. Ranjith Dayaratne
Asian School of Architecture
Melbourne, Australia.



Dr. Ghassan Murad
Telecoms Executive and M&A
Advisory Professional - Corporate
Finance & Valuation - Board level
Strategic Advice - Interested in
Data-driven Science and Machine
Learning Control



Dr. Abdulla Al-AbbasiDarasat

Kingdom of Bahrain



Dr. Dalia El Dardiry Imam Abdulrahman Bin Faisal University, Saudi Arabia



Dr. Md Mahmudul Alam University Utara Malaysia



Dr. Muftooh Ur Rehman SiddiqiAston University
UK



Dr. Aruna JeyanthyKalasalingam Academy of
Research and Education,
India



Dr. Zain H. YamaniDirector of the KFUPM
Interdisciplinary Research Center for Hydrogen and Energy Storage



Dr. Abdulmueen BogisAmerican Teaching Fellow - Division of Landscape Architecture - PLAD,

College of Architecture - University of Oklahoma



Dr. Amer HabibullahDepartment of Landscape
Architecture - King
Abdulaziz University



Dr. Laeeq Razzak JanjuaWSB University
Poland



Dr. Mirela PanaitPetroleum-Gas University of
Ploiesti; Romanian Academy,
Romania

Keynote Speaker

DAY 1: 22 DECEMBER 2024



Eng. Mohamed Al Shehab

VP - Corporate Finance & Investor Relations

Bapco Energies

Kingdom of Bahrain



Dr. Muftooh Ur Rehman Siddiqi

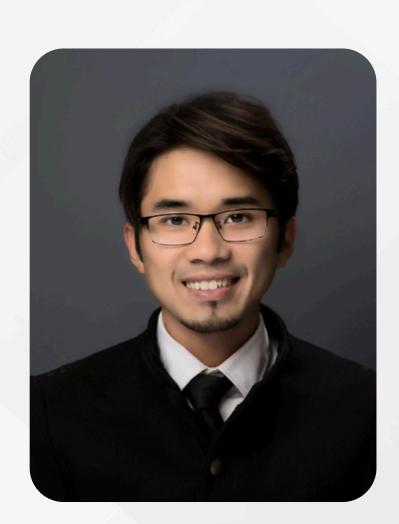
Associate professor

Director of MSc Smart Manufacturing Programme

College of Engineering and Physical Sciences

Aston University - United Kingdom

DAY 2: 23 DECEMBER 2024



Dr. Abdulmueen Bogis

American Teaching Fellow

Division of Landscape Architecture – PLAD

College of Architecture – University of Oklahoma

USA



Dr. Amer Habibullah

Assistant professor

Co-founder and current president of the Saudi
Society of Landscape Architecture

Assistant Professor of History and Theories of
Landscape Architecture

Department of Landscape Architecture

King Abdulaziz University

Kingdom of Saudi Arabia



Prof. Zain H. Yamani
Director of the Interdisciplinary Research Center
for Hydrogen and Energy Storage
Circular Carbon Economy Representative
King Fahd University of Petroleum and Minerals
(KFUPM)
Kingdom of Saudi Arabia

DAY 1: 22 DECEMBER 2024

Time*	Program	Link	
9.30 AM	Welcome Note		
9.40 AM	The Speech of H.E. the President of the University of Bahrain		
9.47 AM	Transition		
9.48 AM	The Speech of H.E. the Dean of Graduate Studies and Scientific Research		
9:55 AM	Introducing the Keynote Speaker: Eng. Mohamed Al Shehab VP – Corporate Finance & Investor Relations – Bapco Energies	Main Hall Link	
10.00 AM	Keynote Speech		
10:25 AM	Introducing the Keynote Speaker: Dr. Muftooh Ur Rehman Siddiqi Aston University		
10.30 AM	Keynote Speech		
11.00 AM	BREAK		
	Parallel Sessions A1-A3	Please check sessions link	
	Session A1: Industrial Symbiosis and Circular Economy Chairing of the session: Dr. Yaser Al-Alawi - Dr. Fatema Alsebaie	Session A1 Link	
11.30 Am - 13:30 PM	Session A2: Policy Support, Financing, and Incentives for Green Solutions Chairing of the session: Dr. Naglaa Fathy El Dessouky - Dr. Yomna Ahmed	Session A2 Link	
	Session A3: Renewable Energy and Nature-Based Solutions Chairing of the session: Dr. Rajamohamed Sumsudeen - Dr. Ezzat Khan	Session A3 Link	
	Session A4: Water Management and Conservation Chairing of the session: Prof. Islam Elghonaimy - Dr. Hayat Abdulla Yusuf	Session A4 Link	
Technical Support Link			

^{*} Bahrain Time GMT+3

DAY 2: 23 DECEMBER 2024

Time*	Program	Link
9.30 AM	Welcome Note and Introducing the Keynote Speaker	
9.35 AM	Keynote Speech: Dr. Abdulmueen Bogis American Teaching Fellow, Division of Landscape Architecture PLAD, College of Architecture – University of Oklahoma	
10.00 AM	Introducing the Keynote Speaker	
10:05 AM	Keynote Speech: Dr. Amer Habibullah Department of Landscape Architecture King Abdulaziz University - President of SSLA	Main Hall Link
10.30 AM	Introducing the Keynote Speaker	
10:35 AM	Keynote Speech: Prof. Zain H. Yamani Director of the KFUPM Interdisciplinary Research Center for Hydrogen and Energy Storage	
11.00 AM	BREAK	
	Parallel Sessions B1-B3	Please check sessions link
11.30 AM	Session B1: Ecosystem and Biodiversity-Centric Nature-Based Solutions for Developmental Projects Chairing of the session: Dr. Wafa Al-Madani - Mrs. Noor Al-Alawi	Session B1 Link
- 13:30 PM	Session B2: Technological Innovations and Nature-Based Solutions 1 Chairing of the session: Dr. Majeed S. Jasim - Dr. Zainab Mohammed Redha	Session B2 Link
	Session B3: Technological Innovations and Nature-Based Solutions 2 Chairing of the session: Dr. Ghadeer Ismail Mohammed - Dr. Naglaa Fathy El Dessouky	Session B3 Link
14.00 PM	Closing Remarks	Main Hall Link
Technical Support Link		

^{*} Bahrain Time GMT+3