



**International Conference on Gender Action and Climate Change (IGCC2022)
24 March 2022 - Online**

International Conference on Gender Action and Climate Change

24 March 2022 – Online Programme

10:00 – 16:00 Istanbul time*

*Please note that if you want to check the time in your own city you can go directly here
<https://www.timeanddate.com/worldclock/converter.html>

Please click the link below to join the conference:

<https://us06web.zoom.us/j/81677781876?pwd=YWtLTk1vbnpY25HOWxxMGJxSXBVZz09>

Zoom ID: 816 7778 1876

Passcode: 4441428

E-mail: igcc2022@aydin.edu.tr

10:00-10:30	WELCOME REMARKS Prof. Dr. Zafer ASLAN, Chair, IAU, Türkiye Gn. Director Volkan Mutlu COŞKUN, Head Hikmet EROĞLU, TSMS, Türkiye Prof. Dr. Yedigir İZMİRLİ, Rector, IAU, Türkiye Assoc. Dr. Mustafa AYDIN, President, EURAS and IAU, Türkiye Dr. Tonya Blowers, OWSD Coordinator, Introduction to conference Prof. Dr. Jennifer THOMSON, President OWSD, South Africa
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<p>10.30-11:45</p>	<p align="center"><u>PANEL SESSION 1</u></p> <p align="center">How gender-aware methodologies impact climate change: PART ONE</p> <p>Chairs: Tonya BLOWERS, Mikdat KADIOĞLU</p> <p>Panelists</p> <ul style="list-style-type: none"> • Rashmi BHARDWAJ, Professor of Mathematics, University School of Basic & Applied Sciences (USBAS), Head, Non-Linear Dynamics Research Lab, Guru Gobind Singh Indraprastha University, Delhi, India Professor Bhardwaj uses mathematical modelling techniques to predict, for example, realtime temperature • Mamta AGRAWAL, Professor of Mathematics, VIT Bhopal University, India Professor Agrawal will discuss how her research interests in Applied Mathematics and Computational Biology are relevant to understanding and preventing the impact of environmental changes on human health. • Hasin ANUPAMA, OWSD executive board member for Asia & Pacific, and Director, Centre for Biomedical Science and Engineering, United International University, Bangladesh Professor Anupama has academic and clinical training in radiation oncology and diagnostic radiology from India, Germany and Italy. She will consider the impacts of climate change on medical health and their gender component • Cemre ERCİYES, IAU, Türkiye, Why is it Important to Teach Climate Change and Intersectionality to Health Sciences Students? • Filiz KATMAN, Political Science and International Relations, Istanbul Aydın University, Türkiye Dr. KATMAN will consider the geopolitical and security implications of climate change • Jennifer THOMSON, OWSD President, emeritus professor in Molecular and Cell Biology, University of Cape Town, South Africa Professor Thomson works on the development of genetically modified maize resistant to the African endemic maize streak virus and tolerant to drought <p>Panel Discussion & Questions</p>
<p>11:45-13:00</p>	<p align="center">BREAK</p>

<p>13:00-14:15</p>	<p align="center"><u>PANEL SESSION 2</u></p> <p>How gender-aware methodologies impact climate change: PART TWO</p> <p>Chair(s): Jennifer THOMSON, Meral DEMİRTAŞ</p> <p>Panelists:</p> <ul style="list-style-type: none"> • Oğuzhan AKYENER, President of Türkiye’s Energy Strategy & Political Research Centre (TESPAM) <p>Reasonable Approach to the Climate Change Process, President AKYENER will describe the impact that climate change has had on Türkiye's energy programme</p> <ul style="list-style-type: none"> • Cemre Yürük SONUÇ and Yurdanur ÜNAL, Istanbul Technical University, Department of Meteorological Engineering, Türkiye <p>Convection Permitting Climate Simulations of Marmara Region in Türkiye,</p> <ul style="list-style-type: none"> • Enrico FEOLI, Prof. Life Sciences, University of Trieste, Italy <p>Biodiversity and climate change: important contributions of some women scientists</p> <ul style="list-style-type: none"> • Mehmet Barış KELEBEK İTÜ, Türkiye, Fulden BATIBENİZ, ETH Switzerland and Barış ÖNOL, İTÜ, Türkiye <p>Exposure Assessment of Climate Extremes over the Europe–Mediterranean Region</p> <ul style="list-style-type: none"> • Eren GÜLTEPE, Southern Illinois University Edwardsville, USA <p>Machine learning techniques applicable to environmental modelling</p> <ul style="list-style-type: none"> • Meral DEMİRTAŞ, Head, Assoc. Professor of Meteorology, Samsun University, Türkiye <p>Professor Demirtaş will consider Climate Change, Variability and High-Impact Weather Events</p> <ul style="list-style-type: none"> • Buğra ÇELİK, Kamil ERKAN and Mete TAYANÇ, Marmara University, Türkiye <p>ÇELİK will present some results on Investigation of Climate Change in Northwest Türkiye by Paleoclimatic Reconstruction of Well Temperatures</p> <p>Panel Discussion Questions</p>
<p>14:15-14:30</p>	<p align="center">BREAK</p>

14:30-16:00

PANEL SESSION 3

**Early Career Women Scientists from Developing Countries
Describe their Prize-Winning Research in Climate Change**

Chair: Tonya BLOWERS, OWSD Coordinator

Introduction to the OWSD-Elsevier Foundation Awards

- Jennifer THOMSON, OWSD President
- Ylann SCHEMM Director, Elsevier Foundation

Introduction to the Awardees and Panel Discussion

- Tonya BLOWERS

Awardees present their work (5 minutes each)

- **Myriam MUJAWAMARIYA, University of Rwanda**

Dr Mujawamariya studies how various types of indigenous trees respond to different climate scenarios since erosion is a major environmental concern in Rwanda, and many efforts are being put into landscape restoration and ecosystem-based adaptation.

- **Abeer Ahmed Qaed AHMED, Al-Saeed University, Yemen**

Dr Ahmed is a biologist investigating different microbiology and nanotechnology-based solutions to carbon emissions, drug-resistant pathogens, and fossil fuel dependence.

- **Gawsia Wahidunnessa CHOWDHURY, University of Dhaka, Bangladesh**

Dr Chowdhury is committed to conserving the aquatic ecosystems and threatened species of Bangladesh with a focus on assessing the extent of and the risks from plastic pollution

- **Heyddy CALDERON, the Instituto de Geología y Geofísica, Nicaragua** Dr Calderon is working to provide secure and sustainable water sources for vulnerable populations in a region of Central America known as the Dry Corridor, spanning Guatemala, El Salvador, Honduras, Nicaragua, and Costa Rica.

- **Ashani Savinda RANATHUNGA, University of Moratuwa, Sri Lanka**

Dr Ranathunga turns industrial and agricultural waste into anthropogenic (man-made) soil for geotechnical engineering-related applications and is a proponent of the “waste to wealth” concept, producing green and value-added products from waste.

- **Flor de Mayo Gonzalez MİRANDA, San Carlos University, Guatemala**

Dr Miranda investigates how a specific grass prevents landslides in vulnerable areas in Guatemala since climate change is causing increasingly strong periods of rain in the country: the plants' roots alter the chemical, physical and mechanical behaviour of the soil, reducing the speed of soil infiltration as well as soil plasticity.

Panel Discussion & Questions



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CLOSING REMARKS
Chairs: Tonya BLOWERS, Zafer ASLAN

Speakers and panellists provide their brief comments on the day's ideas, conversations and action points going forwards