

World Forum Women In Science 2024

ENVISIONING TOMORROW
SCIENCE FOR THE SDGS
AND NEW PARTNERSHIPS FOR SUSTAINABLE FUTURES

Online Conference - 15-16 - 17 April 2024

Co-sponsored by



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ROMA



PROGRAM OF THE ONLINE WORLD FORUM FOR WOMEN IN SCIENCE (WFWS)

Organized by
Women in Science without Borders and Traces&dreams in
collaboration with Festival delle Scienze.

Registration

Fill in this form <https://forms.gle/gKtsCUskA4RdgFcV6>

Some of the panels will be live-streamed on Facebook.

Day one

Monday, the 15th of April 2024

Opening Ceremony

**Monday, the 15th of April
10:00 - 10:15 CET**

<https://us02web.zoom.us/j/81415071637?pwd=MkFHMnhJM1RZSU1UOU1BSGJzSVpJUT09>

Passcode: 957421

Nerina Finetto

Founder of Traces&Dreams and Director of the WFWS 2024, Italy

Prof. Amal Amin

Founder and Chair of the World Forum Women in Science, Egypt

Vittorio Bo

Director of the Festival delle Scienze, Roma

Beatrice Manassero

Ministry of Foreign Affairs and International Cooperation, Italy

Opening Plenary Session

The importance of Networking, science diplomacy, and partnerships

Monday, the 15th of April
10:15-11:45 CET

Moderators

Dott. Nerina Finetto
Prof. Amal Amin

Link for the webinar

<https://us02web.zoom.us/j/81415071637?pwd=MkFHMnhJM1RZSU1UOU1BSGJzSVpJUT09>

Passcode: 957421

Prof. Quarraisha Abdool Karim

Twas president, South Africa

Dr. Angela Liberatore

Head of the Scientific Management Department - European Research Council Executive Agency, Brussels Belgium

Mrs. Brenda Behan

Director of the Gender, Protection, and Inclusion Service (UN World Food Program), Italy

Prof. Emanuela Colombo

UNESCO Chair "Energy 4 Sustainable Development -Rector's Delegate to Science Diplomacy, Italy

Dr. Charles Lebon Mberi Kimpolo

Director - African Institute for Mathematical Sciences - Next Einstein Initiative, South Africa

Prof. Priscilla Kolibea Mante

Co-chair of the Global Young Academy, Ghana

Technical Session

Empowering Women in STEM

Monday, the 15th of April

12:15 - 13:45 CET

Link for the session

<https://us02web.zoom.us/j/87934362011?pwd=VlFjenJGTjREeEhIMC8rZUovZzA5QT09>

Passcode: 322263

Moderator

Prof. Shalini Subhash Arya

Prof. Shalini Subhash Arya

Professor of Food Technology at the Institute of Chemical Technology Mumbai, India

Breaking Barriers: Overcoming Challenges Faced by Young Women Scientists

Prof. Sima Fakheran

Associate Professor at the University of British Columbia (UBC), Canada and Isfahan University of Technology, Iran

Gender Gap in editorial boards of scientific journals

Camila Infanger and Louise Batot

Ph.D. candidates

University of São Paulo/Oxford University and University of Luxembourg

The legitimacy of women's equitable policies in organizations

Prof. Fernanda Maria Policarpo Tonelli

Federal University of São João del Rei, Brazil

Brazilian Women in Science: Gender gap scenarios and strategies to fight underrepresentation

Dr. Kleinsy Bonilla

Vice-president for Latin America and the Caribbean of the Organization of Women in Science for the Developing World, Guatemala / Norway

Social Technologies and Inclusion: The role of networking and science diplomacy to address intersectional gaps in higher education in Guatemala

Prof. Olubukola Oluranti Babalola

North-West University/ OWSD Org for Women in Science for the Dev. World, South Africa

Breaking Barriers: Overcoming Challenges Faced by Young Women Scientists in India

Technical Session

Technology and Health

Monday, the 15th of April

12:15 - 13:45 CET

Link for the session

<https://us06web.zoom.us/j/88021791954?pwd=LFVcMLO3RYfvUZ1Mkt4kA0vHx0L-JA.XRNN-lqN3YObmnFQ>

Passcode: 234426

Moderator

Ass. Prof. Hend Galal Eldeen Mohamed

Ass. Prof. Hend Galal Eldeen Mohamed

Technology of Radiology and medical imaging, Applied health sciences, Galala University, Egypt

Radio Diagnosis department, Faculty of Medicine, Ain Shams University, Egypt

Feasibility Study in Assessment of Congenital Cardiovascular Malformation by Recent Technique of Fetal Cardiac MR Imaging

Dr. Kokila MW Abeykoon

Senior Lecturer at the University of Moratuwa, Sri Lanka

The validation of residual physical capabilities of women with physical disabilities in their shoulder/arm region for employment support using the WARM Map tool

Dr. Lario Malungana

Researcher at the University of South Africa

Enhancing patient documentation and optimizing medical operations thanks to wearable gadgets

Ass Prof. Afsheen Arif

Assistant Professor, KIBGE, University of Karachi, Pakistan

Congenital septal defects in Karachi, Pakistan: an update of mutational screening by high-resolution melting (HRM) analysis of MTHFR C677T

Prof. Mervat Foda

Professor, Dairy Science Dept., Food Technology and Nutrition Institute, Egypt

Evaluation of Sweet White Cheese like product for children suffering from Attention Deficit Hyperactivity Disorder (ADHD).

Technical Session

AI in Healthcare: Bridging Gaps and Understanding Diversity

Monday, the 15th of April
14:00 - 15:30 CET

Link for the session

<https://us02web.zoom.us/j/89128583063?pwd=L0NpM0JvVlFLNzJQSk9ETm1sUU0zZz09>

Passcode: 330021

Moderators

Dr. Walaa Saad Hanafy Mahmoud
Ms. Natalie Ann Gordon

Dr. Laure Stella Gnoma Linguissi

Lecturer, OWSD National Chapter Congo Republic, Republic of Congo

Towards Inclusive Health: Investing in Primary Health Care in the Republic of Congo (infections)

Dr. Walaa Saad Hanaft Mahmoud

Researcher and pediatrician consultant at National Research Center, assistant professor at Misr University for Science and Technology, Egypt

The capacity of AI to handle and evaluate massive data sets is one of its most important contributions to medical anthropology

Dr. Cristián Castillo Olea
M.G. Flores-Sánchez
Rosario Anaya

*Researchers in Intelligent Systems applied to healthcare La Salle University
México, Mexico*

Healthcare Analytics Evolution. DATA Mexico

Ms. Natalie Ann Gordon

Senior Lecturer, Oral Hygienist. University of the Western Cape, South Africa

Primary Oral Health Care within a Substructure in the Cape Metro Health District, South Africa

Dr. Julia Rodríguez Castelán

Professor and researcher in the academic division of Medicine and Nutrition, Universidad Cristóbal Colón, Mexico

Metabolic syndrome differentially affects ovarian histology in females of reproductive age

Dr. Nicole Richie

VP Global Health Equity & Population Science - Roche, United Kingdom

Innovation in Healthcare: Bridging Gaps and Understanding Diversity

Technical Session

Knowledge, Competences and Development

Monday, the 15th of April

14:00 - 15:30 CET

Link to the session

<https://us06web.zoom.us/j/85837952123?pwd=riXjs2W3ey4IHGddsJw0Iaenyajj-g.mrxsn-RIyDzHFvBm>

Passcode: 433003

Moderators

Brigitta Ferenczik
Prof. Arabella Bhutto

Brigitta Ferenczik

*Head of Competence Centre for Sustainability
University of Pannonia, Competence Centre for Sustainability, Hungary*

Promoting Sustainable Development through Knowledge and Competence
Platforms: The Case of University of Pannonia, Hungary

Dr. Ajoke Fehintola Idayat Akindele

*Postdoc Fellow, BC3 Center For Climate Change, Leioa, Spain.
University of Medical Sciences Ondo city, Ondo State, Nigeria*

Non-Communicable Diseases, Pollution Prevention, and Climate Change
Reduction

Prof. Arabella Bhutto

*Professor of Business and Innovation Management and currently serving as
Vice Chancellor SABS University of Arts, Design and Heritage, Jamshoro,
Pakistan*

Bridging Research Partnerships for SDG Solutions: The Role of Lean Canvas
for Invention (LCI) and Its Online Educational Platform

Yousif Raid

Management Technical College, Southern Technical University, Basrah, Iraq

Role of women in AI development

Paiman Ahmad

University of Raparin, Ranya, Kurdistan Region, Iraq

Role of Women in the Labor Market: Case study of a selected group of post-conflict countries: Iraq, Syria, Yemen and Afghanistan.

Dr. Funmilola Olubunmi Omotayo

Lecturer and researcher at the Department of Data and Information Science, Faculty of Multidisciplinary Studies, University of Ibadan, Nigeria; a research fellow at the Department of Information Science, College of Human Sciences, University of South Africa, Pretoria, South Africa

Miss Rafiat Bukola Bashorun

Department of Data and Information Science, Faculty of Multidisciplinary Studies, University of Ibadan, Nigeria

Information Accessibility and Use as Panacea Towards Reducing Information Poverty and Inequality in Nigeria

Technical Session

Innovations in Agriculture and Food Security

Monday, the 15th of April
16:00 - 17:30 CET

Link to the session

https://us06web.zoom.us/j/88965811142?pwd=oLPPJduuF2ff_nBm0_NebmBC3KaKAA.vOKvCWflpE24hQ0g

Passcode: 756980

Moderators

Prof. Zakaria Fouad Fawzy Hassan
Prof. Olubukola Oluranti Babalola

Dr. Aminu Oluwafunmilayo Olarewaju

*Department of Agricultural Economics and Extension, Olusegun Agagu
University of Science and Technology, Ondo State, Nigeria*

Gender Analysis of Rural Households' Vulnerability to Poverty and Hunger in
Ogun State, Nigeria

Prof. Olubukola Oluranti Babalola

*North-West University/ OWSD Org for Women in Science for the Dev. World,
South Africa*

Addressing Food Insecurity

Prof. Zakaria Fouad Fawzy Hassan

Professor, National Research Centre, Egypt

Climate Smart Agriculture for Environmental Sustainability

Prof. Daniela Bernaschi

Research fellow and adjunct professor at the University of Florence, Italy

Beyond food deserts, multidimensional analysis of food insecurity at territorial level: the blacked-out food areas in Rome (Italy)

Dr. Ilham Abidi

Agronomy and agri-food researcher, agricultural policy

Ministry of Agriculture/Hassan II Institute of Agronomy and Veterinary Sciences, Morocco

Quinoa as a climate-smart crop diversification option for higher income generation from marginal lands in the Mediterranean (Quinoa 4Med) (06/2022- 05/2025)

Technical Session

Technology, Sustainability, and Industry

Monday, the 15th of April

16:00 - 17:30 CET

Link for the session

<https://us02web.zoom.us/j/88575336999?pwd=OXo0eDlNR0JaYnVrUUg4aDFhL2FvQT09>

Passcode: 273685

Moderators

Prof. Nova Ahmed
Dr. Jane Yau

Prof. Nova Ahmed

Professor at North South University, Bangladesh

Breaking Barriers: Empowering Women in Computing Through Close Engagement and Stakeholder Collaboration

Dr. Kinkini Dasgupta Misra

Scientist at Vigyan Prasar, Department of Science and Technology, India

Empowering Women Through Technology and Innovation

Dr. Papali Maqalika

Researcher and Lecturer at National University of Lesotho, Lesotho

The quality of Lesotho mohair production, focusing on the prevalence of medullation and its implications for the industry

Dr. Monica Gori

Principal investigator of unit for Visually impaired people of Italian Institute of Technology, Italy

Challenges Faced by Children with Visual Impairments: Navigating Developmental Hurdles and Debunking Myths

Mohamed Elsayed Elshamy

Chairman of the Electronics Research Institute. Computers and Systems Department, Electronics Research Institute, Cairo, Egypt

Sherine Mohamed Abd El-Kader

*Chairman of Elections Research Institute
Chairman of Science & Technology Park for Electronics Research and Industry*

WOMEN Imprint in Engineering, Research, Innovation & Entrepreneurship

Dr. Jane Yau

Senior researcher at DIPF Leibniz Institute for Research and Information, Germany

Gaming for Change: Leveraging Digital Games to Address Climate Change

Panel

The role of elites in fighting Inequality - Challenges or Opportunities?

**Monday, the 15th of April
18:00 - 19:30 CET**

Link for the session

<https://us02web.zoom.us/j/89574910185?pwd=d28yU0orYmY2Q0xsUjJYTkF2b2FOZz09>

Passcode: 893145

Moderator

Prof. Alice Krozer

Prof. Alice Krozer

Professor at El Colegio de México, México

Prof. Mariana Heredia

Prof. UNSAM - Universidad Nacional de San Martín, Argentina

Dr. Katharina Hecht

Northwestern University, US

Natalia Torres

Ir Amin, Israel

Prof. Irene Lungo Rodríguez

Facultad de Ciencias Políticas y Sociales FCPyS- UNAM, Mexico

Panel

The difficulties in finding decent jobs for highly qualified women in South America

**Monday, the 15th of April
20:00 - 21:30 CET**

Link for the session

<https://us02web.zoom.us/j/86252434809?pwd=ZStwRFNNS2FIRVIMK0c4aFpwL0RKZz09>

Passcode: 593637

Moderator

Prof. Yohana Velasco Santamaría

Prof. Yohana Velasco Santamaría

Full Professor at University of Los Llanos, Colombia

Dr. Sonia Esperanza Reyes Gómez

PhD Consultant for the Instituto de Capacitación e Investigación del Plástico y del Caucho, Colombia

Dr. Marina B. Martínez-González

*PhD Head of Social Sciences Department at Universidad de la Costa,
Colombia*

Dr. Maria Victoria Whittingham

*PhD National consultant for the Centro Latinoamericano de Administración
para el Desarrollo (CLAD), Colombia*

Dr. Gloria López

*PhD Associate Research Fellow at Recanati Institute for Maritime Studies
RIMS University of Haifa, Israel*

Day Two
Tuesday, the 16th of April

Panel

Inclusive cities and communities

Tuesday, the 16th of April
8:30 - 9:45 CET

Link for the session

<https://us02web.zoom.us/j/83070578499?pwd=NnI4T1RVcGJkT2pKTXlmbTZLdVJtdz09>

Passcode: 254780

Moderator

Prof. Hong Ching Goh

Prof. Hong Ching Goh

Chair of Social Advancement and Happiness Research Cluster, Associated Professor in Department of Urban and Regional Planning, Faculty of Built Environment, at University of Malaya, Malaysia

Dr. Noor Hashimah Hashim Lim

Senior Lecturer, Department of Urban and Regional Planning, Faculty of Built Environment, Universiti Malaya, Malaysia

Dr. Teti Argo

Senior Lecturer, Urban and Regional Planning Program, Bandung Institute of Technology, Indonesia

Dr. Chiara Garau

Associate Professor in Urban and Regional Planning, Dep. of Environmental, Civil Engineering and Architecture (DICAAR), University of Cagliari, Italy

Ms. Olafiyin Taiwo

PhD student at University College London and Chair, Commonwealth Association of Planners Young Planners Network, UK

Dr. Nelly Babere

Dean of the School of Spatial Planning and Social Sciences, Ardhi University, Dar es Salaam, Tanzania

Technical Session

Heritage Preservation, Education and Innovations

Tuesday, the 16th of April
8:30 - 10:00 CET

Link to the session

[https://us06web.zoom.us/j/82121569746?pwd=Xsm
yWJy-9fk4WORE0kESsvxTWbaCAQ.x9sYiLxsG4
9c35t7](https://us06web.zoom.us/j/82121569746?pwd=Xsm
yWJy-9fk4WORE0kESsvxTWbaCAQ.x9sYiLxsG4
9c35t7)

Passcode: 524450

Moderators

Dr. Sokyna Alqatawnah
Prof. Carlotta Torricelli

Prof. Kabila Hmood

Professor of Architecture, Ashur University, Iraq

Dr. Sokyna Alqatawnah

Senior Lecturer at Arden University, United Kingdom

Digital documentation technology and its role in preserving and rehabilitating heritage buildings.

Guia Baratelli

Roma Tre University, Italy

Transforming the didactic space. Retracing some steps of Modern school models and paradigms.

Dr. Temidayo Olanrewaju Aduloju

Academic researcher

Lagos State University, Epe Campus, Lagos State, Nigeria.

Optimizing knowledge management procedures in the building construction industry in Lagos, Nigeria: A panacea for sustainable development.

Prof. Carlotta Torricelli

Dipartimento di Architettura - Università degli Studi Roma Tre (Department of Architecture - Roma Tre University), Italy

Ellen Key's Feminist Pedagogy and its Impact on Modern Swedish Architecture: Reimagining Educational Spaces

Dr. Enas Aref

Instructor & Researcher at Western Michigan University, USA

A Framework for Sustainable Entrepreneurship Education in Secondary Schools: Empowering Youth for Equity and Economic Development

Panel

Narratives That Matter

Tuesday, the 16th of April

10:15-11:45 CET

Link for the session

<https://us02web.zoom.us/j/84096148957?pwd=d0tkSzlTa2QvemVtdDhvYktzdDBYQT09>

Passcode: 028095

Moderators

Nerina Finetto
Dr. Rhiannon Moss

Prof. Cecilia de Souza Fernandez

Institute of Mathematics and Statistics at the Fluminense Federal University (UFF), Rio de Janeiro, Brazil

Women in Mathematics - a project to give visibility to women's work in Mathematics

Prof. Elisabeth Strickland

Co-founder and Vice-president of the inter-university Observatory of Gender, Equality and Equal Opportunity. Università Tor Vergata, Rome, Italy

Women and Technology: mind the gap

Dr. Sadaf Ahmed

Director and President - University of Karachi and Advance Educational institute and research - Pakistan

Cross-Cultural Narratives for Women in Science from Under-Resourced Regions

Vittorio Bo

President & Founder of Codice Edizioni and Director of the Festival delle Scienze, Italy

The Art and Science of Science Dissemination

Dr. Marie Elisabeth Muller

Senior Editor and Educator of New Media and Communications, Germany

Exploring new Frontiers: Generative AI for Storytelling in Academia and Science

Adriana Riccomagno

Journalist and Author, Italy

Narrating Climate Change: an easygoing knowledge for greater awareness

Dr. Silvia Casu

Researchers - National Institute for Astrophysics (INAF), Italy

Under the same sky

Technical Session

Tackling Gender Inequality

**Tuesday, the 16th of April
12:15-13:45 CET**

Link to the session

<https://us02web.zoom.us/j/81314948815?pwd=QjVjL3JGMXBobldqL1pmUGxaWFcydz09>

Passcode: 454270

Moderator

Prof. Willie Chinyamurindi

Prof. Willie Chinyamurindi

University of Fort Hare South Africa

Studying narratives of women subsistence entrepreneurs in South Africa

Dr. Amanda Souza dos Santos

Post-doctoral researcher at Universidade Federal do Rio de Janeiro

Reducing inequalities in postgraduate programs in Brazil: how a preparatory course increased the representation of women and other minorities in higher education

Dr. Mamoonah Alam

Shaheed Benazir Bhutto women university Peshawar Pakistan

Women in STEM in Pakistan, a case study 2024

Dr. Zamambo Mkhize

Lecturer at the University of Cape Town, South Africa

Challenges Faced by African Women in South African STEM Academia

Dr. Ximena Gonzalez

Lecturer at the Centro de Estudio de Transformaciones Sociales del Instituto Venezolano, Venezuela

María Ángela Petrizzo

*National University of Tourism. UNATUR, Venezuela
Institute of Higher Transdisciplinary Studies. IAET.*

Exploratory elements of the analysis of academic evaluation policies applied to women scientists belonging to the CLACSO Network of Centers of Venezuela

Dr. Rumbidzo Gunduza

Researcher and MPHIL student at University of Zimbabwe, Zimbabwe

Addressing Gender Disparities in The Uptake of Science-Related Degree Programmes: Toward A Gender-Responsive Model of Inclusion

Technical Session

Cutting-edge Environmental Solutions

Tuesday, the 16th of April

12:15-13:45 CET

Link to the session

https://us06web.zoom.us/j/81413044905?pwd=i-8fuHGGcgWIwDdQi2TTZUweIi0Xrw.M_BQvwmfzkM0_VLZ

Passcode: 809519

Moderators

Prof. Hossam El Nazer
Dr. Karen Jacqueline Cloete

Prof Hossam El Nazer

National Research Centre, Egypt

Working on the mitigation of greenhouse gas emissions

Ledjane Maria Alves Oliveira

*Master in Materials Science, Federal University of Pernambuco, Brazil |
UFPE - The Organization for Women in Science for the Developing World
-OWSD*

Study and chemical characterization of photovoltaic waste obtained by mechanical separation

Safa Mechouche

PhD student at Institute of Electronics, Microelectronics and Nanotechnology, France

Advanced Optimization of Biogenic Silver Nanoparticles Synthesis through Modeling and Computational Intelligence Techniques: Investigating Photothermal and Photocatalytic Efficacies for environmental management Applications

Dr. Ghada Emam Khedr

Researcher at Egyptian Petroleum Institute, Egypt

Enhanced the water oxidation capability of Sulfur-vacancy-modulated $Cd_xZn_{1-x}In_2S_4/(S, N)-TiO_2$

Dr. Karen Jacqueline Cloete

Senior researcher at UNESCO-University of South Africa Chair in Nanosciences-Nanotechnology, South Africa

Exploring the Potential of Nanofertilizers in Modern Agriculture

Dr. ElZahraa A Elgohary

National Research Center, Egypt

Ilmenite for efficient photocatalytic removal of heavy metals under visible light irradiation

Dr. Walaa Shabaan

Doctor Researcher, Petrochemicals Department, Egyptian Petroleum Research Institute (EPRI)

Nanomaterials and their polymer nanocomposites applications for air monitoring and water treatment

Technical Session

Health Session

Tuesday, the 16th of April
14:00 - 15:30 CET

Link to the session

<https://us06web.zoom.us/j/81561078672?pwd=T68gB7uqBRtKPBgiPtjMaQk4jRxwyw.qUI15h4NwvTJ8V57>

Passcode: 803679

Moderators

Prof. Shymaa Enany
Dr. Kim Vaiphei

Dr. Kim Vaiphei

Post Graduate Institute of Medical Education and Research, India

Rare complications observed in young Ulcerative Colitis patients

Dr. Rituparna De

DHR NRI Scientist

Department of Health Research, Government of India, India

Identification of prognostic markers and probiotic candidates by screening of the gut microbiome in an endemic population of diarrhea

Prof. Shymaa Enany

Professor of Microbiology at Suez Canal University, Egypt

Antimicrobial resistance is a major concern in the dairy industry

Dr. Y.M.Piumika Yapa

Research Assistant at University of Sri Jayewardenepura, Sri Lanka

Synergism of multimetallic nano hybrids as promising antimicrobial agents with an expansive coverage of microbes

Dr. Mireille Sylviane Dongmo Nguepi

Lecturer at the University of Buea, Cameroon

Persea americana, Curcuma longa, and Allium sativum extracts exhibit cercaricidal, anti-inflammatory and anti-oxidant activities

Technical Session

Innovative Water Treatment Solutions

Tuesday, the 16th of April

14:00 - 15:30 CET

<https://us02web.zoom.us/j/89812350629?pwd=ZGJQdmFueU1ETUR1WnpDVndSaC9zUT09>

Passcode: 608028

Moderators

Prof. Nouj Nisrine

Dr. Goh Zhi Ling

Alina Ndapewa Inekel'Omuwa Kadhila

Geohydrologist And Author

The state of water resources management in Namibia, Southern Africa

Goh Zhi Ling

Researcher at Universiti Malaya, Kuala Lumpur, Malaysia

Water-Driven Plasticization in Cellulose Derivative Gel Electrolytes for Eco-Friendly Dye-Sensitized Solar Cells

Prof. Mohamed Mahmoud

Associate Professor at Galala University, China

Electrochemical oxidation for rapid and efficient water disinfection with modified carbon electrodes

Aiman Siddiqui

Civil engineer at NED University of Engineering & Technology, Pakistan

Dumlotte wells and groundwater management in Karachi, Pakistan

Prof. Rina Kumari

Assistant Professor Central University of Gujarat, India

Assessment and Management of Groundwater Resources in Jhajjar District, Haryana, India: An Integrated Approach

Dr. Linda Dyorisse Nyamen

Lecturer/Researcher

University of Yaoundé 1, Cameroon

Synthesis and Characterization of Copper Sulphide Nanophotocatalysts for Efficient Treatment of Industrial Wastewater Contaminated with Toxic Organic Dyes

Prof. Nouj Nisrine

Professor, National Institute for Scientific and Technological Research on Water, Ibn Zohr University, Agadir, Morocco.

2 Laboratory of Materials and Environment, Faculty of Sciences, Ibn Zohr University, Agadir, Morocco.

Valorization of Crab Shell Waste for Efficient Bio-Coagulant Production in Fisheries Wastewater Treatment

Technical Session

Health Session

Tuesday, the 16th of April

16:00 - 17:30 CET

Link to the session

https://us06web.zoom.us/j/86364960722?pwd=_PbC8LfKRSCjbWrVBzr2lfplq7mQQw.rNeTxLGpR4ENr7hi

Passcode: 220831

Moderators

Prof. Smita C Pawar
Dr. Mary Amoako

Anita Beutel

PhD in Physiotherapy at University of Cape Town, South Africa

An investigation of the rehabilitation needs, development, and preliminary outcomes of an education and exercise self-management intervention for breast cancer survivors

Dr. Mary Amoako

Lecturer at Kwame Nkrumah University of Science and Technology, Ghana

Nutrient deficiency is one of the major underlying causes for acute and chronic diseases

Prof. Smita C Pawar

Professor at Osmania University, India

Understanding Ovarian Cancer: Risks, Symptoms, Diagnosis, and Treatment Options

Dr. Zeinab EL-Shahid

National Research Centre, Egypt

Prostate Cancer: Detection, Treatment, and Management

Assistant Professor Fingani Annie Mphande-Nyasulu

King Mongkut's Institute of Technology Latkrabang, Thailand

Sustainable health and Access to Information in LMIC

Technical Session

Circular Economy and Sustainable Materials

Tuesday, the 16th of April

16:00 - 17:30 CET

Link to the session

<https://us02web.zoom.us/j/82412982569?pwd=M3IwcFRFWkdGMkjhQk5wRXlqTkZKZz09>

Passcode: 868780

Moderators

Prof. Esther Akinlabi

Dr. Lucky Krishnia

Dr. Lucky Krishna

Scientist Innovator at Amity University Haryana, India

Nanomaterials: Advancement and Impact on the Environment

Fathiah Azam

PhD student, Centre for Ionics Universiti Malaya, Universiti Malaya, Malaysia

Polyaniline and Zirconium Oxide Nanocomposite Based All-in-One Synthesized Hydrogel for Enhanced Pseudocapacitor Performance

Ms. Ana Rufina Herrera Soto

Investigation, Technological development, and Innovation Area from the Chemical Engineering School, San Carlos University of Guatemala. Guatemala

Coffee Wastewater Management in Guatemala: A Call for Specific Policy Implementation

Prof. Esther Akinlabi

Deputy Faculty Pro Vice Chancellor for Research and Knowledge Exchange, Northumbria University, Newcastle, UK.

Circular economy of plastics, recycling of waste plastics used in the production of filaments for 3D printing of products

Mariette Agbohessou

PhD Student at Cheikh Anta Diop University of Dakar, Senegal

Combined effect of drought stress and salinity on seed germination of three provenances of baobab from Senegal

Aiman Siddiqui

Civil engineer at NED University of Engineering & Technology, Pakistan

Utilization of waste plastic in development of sustainable construction materials

Paula Madeleine Menchú Melgar

Universidad de San Carlos de Guatemala -USAC-, Guatemala

Integration of energy generation and health improvement through the use of warehouse rooftops

Panel

Science diplomacy in research: a practical approach

Tuesday, the 16th of April
18:00 - 19:30 CET

Link to the session

<https://us02web.zoom.us/j/87106157046?pwd=dzZjdE9lWk9WSE8xY1BuVHRodXJqdz09>

Passcode: 121217

Moderator

Dr. Paulina Carmona-Mora

Dr. Paulina Carmona-Mora

Research scientist, Department of Neurology and MIND Institute at the University of California-Davis in Sacramento, CA, USA

Dr. Dilfuza Egamberdieva

Head of the Department of Biological Research and Food Safety National Research University, Uzbekistan

Forging Partnerships: The Role of Funding Organizations in Addressing Global Challenges

Dr. Almas Taj Awan

Lecturer, Entrepreneur and Postdoctoral researcher in the area of "Science and Innovation diplomacy" at "Institute of Advance Studies", University of São Paulo, Brazil. She has a PhD in Chemistry

Innovation diplomacy in the LAC region

Dr. Muhammad Adeel

Career Diplomat with the Ministry of Foreign Affairs, Pakistan, currently Embassy of Pakistan to the European Union, Belgium and Luxembourg in Brussels

Science Diplomacy interface of emerging technologies

Dr. Encieh Erfani

Researcher at Mainz University in Germany and Advisory Board member of the InterAcademy Partnership (IAP)

Can science diplomacy protect science in times of conflict

Dr. Gabriela Ferreira

Postdoctoral Researcher at the Department of Political Science at the University of São Paulo (DCP-USP). Member of the Executive Committee of the São Paulo Innovation and Science Diplomacy School (InnSciD SP-USP)

Science and innovation diplomacy for a sustainable development future: an intersectional approach

Panel

Future of Science Communications in Latin America and The Caribbean

Tuesday 20:00 - 21:30 CET

Link to the session

**[https://us02web.zoom.us/j/81237033814?pwd=dXV
kNFFHeHpWaGQ1d0dUVDh1djNrdz09](https://us02web.zoom.us/j/81237033814?pwd=dXVkNFFHeHpWaGQ1d0dUVDh1djNrdz09)**
Passcode: 424786

Moderator

Prof. Melina Flórez Cuadros

Prof. Melina Flórez Cuadros

Lecturer, Global Young Academy/OWSD Colombian chapter; Doctor in Veterinary Medicine. Ms. Veterinary Science and Doctor in entomology

Dr. Helen Jamison

Global Coordinator, Science Media Centre, London, United Kingdom

Dr. Pampa García Molina

Director of Science Media Center España, Spain

Ximena Serrano Gil

President of the Colombian Association of Scientific Journalism, Colombia

Víctor Román

Science Journalist, Perú

Day Three
Wednesday, the 17th of April

Technical Session

**COVID-19, Gender Disparities, and Health
Solutions**

Wednesday, the 17th of April
8:30 - 9:45 CET

Link to the session

<https://us02web.zoom.us/j/83519496675?pwd=aWF6VW13T1FzZGtWdVBoUG9lWjRFQT09>

Passcode: 036164

Moderator

Prof. Shamsun Nahar Khan

Dr. Jiayue-Clara Jiang

Postdoctoral research fellow at the Institute for Molecular Bioscience, The University of Queensland, Australia

Addressing gender inequity in cardiovascular research: a higher genetic risk of depression is a greater risk factor for cardiovascular diseases in women

Prof. Diana Boraschi

Distinguished Professor, Director of the Laboratory of Inflammation and Vaccines, Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences, China

Vaccine clinical trial in a test tube

Dr. Paloma Maripiha

National Health Institute in Mozambique, Mozambique

COVID-19 Severity Disparities Across Job Sectors: Implications for Worker Health and Safety Policies

Reasmyraj A/P R Subramaniam

PhD Scholar at Universiti Malaya, Malaysia

Antiviral Coating Covid

Prof. Shamsun Nahar Khan

Professor at East West University, Bangladesh

Navigating COVID-19: Challenges, Adaptations, and Future Strategies

Technical Session

Advancing Sustainability Solutions

Wednesday, the 17th of April

8:30 - 9:45 CET

Link to the session

<https://us06web.zoom.us/j/82303365122?pwd=kTyNQqkn2spmuWA6t3OVqq3iZGBWxg.7vN2tJnKpEWSkYft>

Passcode: 496746

Moderator

**Prof. Lizeth Rodríguez
Nazia Akter**

Prof. Lizeth Rodríguez

Central America University UCA, El Salvador, Central America

Evaluation of new life potential in prefabricated buildings

Pershaanaa K. Manogran

PhD scholar at Department of Physics, Universiti Malaya, Malaysia

Development of self-assembled nickel carbonate hydroxide hydrate electrode for Supercapattery

Amrutha Muralidhar

Student at B. M. S College of Engineering, India

AI-Driven Precision Agriculture for Sustainable Food Production

Nissaf Sleimi

Engineer at Higher Institute of Urban Planning, Environment and Construction Tunis, Carthage University, Tunisia

STEAM game-based learning approaches to sustain water management in civil engineering practices

Carol Ngwenya

PhD Candidate at University of Cape Town, South Africa

Investigation of valorization routes for carbon-rich waste streams, particularly carbohydrate-rich food waste, for bioenergy production

Mrs. Christine Mpofo

MSc student at the Department of Environmental Sciences, School of Agriculture and Environmental Sciences, University of South Africa, South Africa

Biosorption of mercury from small-scale gold mining effluent using *Saccharomyces cerevisiae*

Nazia Akter

Researcher and Ph.D. student, Department of Computing Technologies, Swinburne University of Technology

Improving Human Training with Wearable Full-body IoT Sensors and Machine Learning

Technical Session

Advancing Sustainable Solutions

**Wednesday, the 17th of April
10:15 -11:45 CET**

Link to the session

<https://us02web.zoom.us/j/84334075856?pwd=WUVlK0g1UURwY0pUdmdPK1JtTHhGdz09>

Passcode: 619880

Moderators

Prof. Dilfuza Egamberdieva
Fabiola L. Falconieri

Noushin Arfatahery

Microbiologist PhD researcher
Freie University Berlin

Communities: Community-Based Approaches to Sustainable Aquaculture

Prof. Sima Fakheran

Associate Professor at the University of British Columbia (UBC), Canada and
Isfahan University of Technology, Iran

Forests sustaining agriculture

Mohamed Abdelghani

High School senior
Senior at STEM High School for Boys

Transitioning from Fossil Fuels to Renewable Biofuels: Mitigating Climate
Change through Green Energy Solutions

Dilfuza Egamberdieva

Head of Department of Biological Research and Food Safety
National Research University, Uzbekistan

The intersection of global challenges such as the COVID-19 pandemic,
climate change, biodiversity loss, and food deficiency

Fabiola L. Falconieri

Technologist of communication at ENEA, Italy

Exploring Gender Dynamics in Energy Transformation Policies: The gEneSys
Project

Dr. Alhamzah Alnoor

Senior Lecturer of Strategic Management at the
Management Technical College, Southern Technical University, Basrah,
Iraq.

Role of Women in Climate Change Awareness and Energy Transition
Process

Panel

Sustainable, Inclusive, Decolonized Innovation

**Wednesday, the 17th April
12:15-13:45 CET**

Link to the session

<https://us02web.zoom.us/j/88950338183?pwd=dGJoS0oxTlFhYU9zcGJENFhhYUdOQT09>

Passcode: 320609

Moderator

Prof. Mahesh Kumar

*Department of Electrical Engineering
Indian Institute of Technology Jodhpur, India*

Dr. Wenmiao Yu

Co-founder and business director of Oxford-spinout Quantum Dice, UK

Equitable Entrepreneurship in Quantum Technologies

Dr. Jharana Bhattarai Aryal

Researcher RMIT University, Australia

Local urban climate governance: The interplay between national governments and aid agencies

Dr. Vanessa De Luca

Diversity, Inclusion and Social Impact Specialist, Istituto Italiano di Tecnologia (IIT), Italy

NEXUS's Innovative Approach to Bridging Diversity Gaps in Research and Innovation

Dr. Slezak Gabriele

University of Vienna / ÖFSE, Austria

Decolonizing Knowledge Systems in Scientific International Cooperation

Maysoun Ramadan

Global Diversity Equity and Inclusion Partner- Roche Chief Diversity Office - Roche

Diversity Equity and Inclusion are core to innovation - it's a culture and a strategy

Dr. Mareli Claassens

Associate research professor at the University of Namibia and medical doctor. African Senior Fellow of the European and Developing Countries Clinical Trials Partnership (EDCTP) and Harvard LEAD fellow in Global Health (2021)

Decolonizing Research for Innovation

Technical Session

Food and Agriculture

**Wednesday, the 17th of April
12:15- 13:45 CET**

Link to the session

https://us06web.zoom.us/j/84995444128?pwd=7oC73MsXLEdeDF6lWJkoUhGzaar5Kw.J7roLNjKjPpS_Ie_f

Passcode: 909535

Moderators

**Prof. Ghanya Al-Naqeb
Dr. Mariam Kadzamira**

Dr. Lai Lai

Universiti Putra Malaysia, Ministry of Agriculture and Irrigation, Malaysia

Policy Framework for Myanmar Rice Production and In-Depth Study on Greenhouse Gas Emissions

Dr. Nesma Alaaeldin Zakaria Moussa

Assistant Lecturer

Faculty of Agriculture, Damietta University, Egypt

Evaluation of stem borer resistant maize genotypes for resistance to fall armyworm (*Spodoptera frugiperda* J.E. SMITH) infestation

Dr. Nahla Mustafa Mohamed Ali

Independents researcher and IoT expert - Sudan"

Dr.Sarra A.M.Saad

Associate Research Professor-National Center for Research-Sudan

Soil Quality Monitoring in Sudan: Leveraging LoRaWAN Technology.

Malessa Louw

Doctoral student at the University of the Free State, South Africa

The investigation of the food consumption patterns of low and middle-income

households of Grassland Phase 4 informal settlement in Free State, South Africa

Prof. Ghanya Al-Naqeb

*Head of Department of Biological Research and Food Safety
National Research University, Uzbekistan RTDA (Assistant professor)*

Exploring the Dual Nature of Medicinal Plant Extracts: Health Benefits and Toxicological Concerns

Dr. Mariam Kadzamira

Senior Researcher – Agribusiness at CABI, United Kingdom

Exploring Business Models for Engaging Women and Young People in Agricultural Service Provision in Africa: Insights from Ongoing Action Research

Technical Session

Health Session

**Wednesday, the 17th of April
14:00 - 15:30 CET**

Link to the session

https://us06web.zoom.us/j/86973985692?pwd=LfOK7VNTn4h_NIKc4HCynL-pZWzvbg.7cZ1jF0fdxJVP29a

Passcode: 193577

Moderators

Dr. Temiloluwa Afolayan
Dr. Olanike Christianah Akinduyite

Ms. Brenda Wanjiru Muriithi

Molecular Biologist and Bioinformatician at Jomo Kenyatta University of Agriculture and Technology, Kenya

Structural and Functional Implications of MIT2 and NT2 Mutations in Amodiaquine and Piperaquine Resistant Plasmodium berghei Parasites

Dr. Pooja Bhardwaj

Scientist B, ICMR-Regional Medical Research Centre, India

Diagnosis of scrub typhus in AES endemic regions

Ms. Temiloluwa Afolayan

Lecturer and Researcher at Anchor University Lagos, Nigeria

The relationship between ABO blood group and infection with *Plasmodium falciparum*

Dr. Olanike Christianah Akinduyite

Lecturer at AFE University, Ado-Ekiti (ABUAD), Nigeria

Understanding Sepsis: Causes, Symptoms, Diagnosis, Treatment, and Prevention Strategies

Dr. Aya Samir Mohammed

Bioinformatics, Faculty of Science, Helwan University, Egypt

Bioinformatics approach for prediction and analysis of Non- Structural protein 4B(NSP4B) of Zika Virus

Karuna Rameshkumar

Consultant Pathologist and Director at Mithra multispecialty Hospital, India

Connect, Collaborate and Care – Case study at Bangalore, Karnataka, India

Technical Session

Innovations in Water Management

**Wednesday, the 17th of April
14:00 - 15:30 CET**

Link to the session

Please click the link below to join the webinar:
<https://us02web.zoom.us/j/81853692351?pwd=a3ZQY29JZXRHQ1V6SVpzeTJHUERCQT09>

Passcode: 813266

Moderators

**Prof. Marwa El-Sayed El-Sesy
Prof. Mayson H. Alkhatib**

Dr. Anwasha Ghosh

Research Associate, Centre for Climate and Environmental Studies, Indian Institute of Science Education and Research Kolkata, India

Ocean acidification, marine life

Dr. Ananya Muduli

Research scholar at Department of Earth Sciences, Indian Institute of Technology Roorkee, India

Unraveling Hydrogeochemical Analysis: Assessing Groundwater Vulnerability to Saline Intrusion in Rapidly Urbanizing Tropical Coastal Regions

Prof. Mayson H. Alkhatib

*Professor, Biological Sciences and Chemistry-Chemistry Section
College of Arts and Sciences, University of Nizwa, Oman*

Reem Al-abri

Master student

Enhancing Wastewater Treatment with Chitosan-Based Hydrogel Beads: An Efficient and Sustainable Approach

Awadia Hamid Ezoo Hamid

Master of Geophysics in Faculty of Petroleum & Minerals at Al Neelain University, Sudan

Surface water converted to ground Water for supply several rural areas villages assessment for infrastructure

Prof. Marwa El-Sayed El-Sesy

Associate Professor in Microbiology National Water Research Center, Egypt

Wastewater - Experimental investigations were conducted to assess the effectiveness of biological treatment methods

Saima Farooq

Associate Professor, University of Nizwa, Sultanate of Oman

Heterogenous semiconductor photocatalysis for environmental remediation

Bruna Maturro

Water Research Institute (IRSA), National Research Council (CNR), National Biodiversity Future Center, Palermo, Italy

Microbial Biodiversity in Contaminated Environments: A resource for Groundwater Bioremediation.

Technical Session

Advancing Education for Inclusion and Sustainability

Wednesday, the 17th of April
16:00 - 17:30 CET

Link to the session

<https://us02web.zoom.us/j/81071473942?pwd=VVVCbnhrYmVtNWZVZEt2NDI1eDZtdz09>

Passcode: 283161

Moderators

Dr. Phoebe A. Ganola
Dr. Ann-Kathrin Dittrich

Salma Hassaballa

Independent Writer and Researcher, a member of the Egyptian Union Writers, Egypt

*Freedom's Blind Spot: A Critical Appraisal of Science's Role in Unlocking
SDG17's Potential*

Dr. Oyeyemi Omolayo Oladimeji

Researcher and lecturer at Federal College of Education (Special), Oyo, Oyo State, Nigeria.

Dr. Oluwatoyin Racheal Ogunwale

Researcher and lecturer at Federal College of Education Special Oyo Oyo State, Nigeria

Education and Inclusion (challenges associated with Government policies on special needs education)

Dr. Rosaria (Sara) Bonito

Researcher at INAF, Italy

Promoting Inclusive STEM Education: The 'Astronomia a Scuola - Donne nella Scienza' Project

Dr. Sisassenkosi Sibonokuhle Dube

Mathematics lecturer in Rwanda, Rwanda

Using Science to Improve Education for Sustainable Development Goals

Dr. Ann-Kathrin Dittrich

Lecturer/Researcher at University Innsbruck, Austria

The Role of Teacher Educators in Sustainability: Reflections from a Transnational Project

Technical Session

Innovations in Agriculture and Sustainability

**Wednesday, the 17th of April
16:00 - 17:30 CET**

Link to the session

<https://us06web.zoom.us/j/81556808906?pwd=x-LQ5H4OmL-aWMqe4sCIxFNC2KAHzQ.aHC61jCka2DIdXyN>

Passcode: 862684

Moderators

Prof. Uloma Onyeka
Prof. Mona Ahmed Hussein

Dr. Maria Tomas Cossa

Researcher Bazaruto Center for Scientific Studies, Mozambique

Assessing the Role of Coffee Agroforestry in Climate Change Mitigation:
Soil Carbon Dynamics in Central Mozambique

Prof. Mona Ahmed Hussein

*Professor of Biological Control at Pests & Plant Protection Dept.,
Agricultural & Biological Research Institute, National Research Centre,
Egypt*

Ecofriendly bio-pesticides

Prof. Uloma Onyeka

Professor at Federal University of Technology, Owerri, Nigeria

Transforming Waste to Value: Utilizing Chili Calyx in Milk Curding for
Economic Sustainability

Dr Mawuse Adzo Siabi

Lecturer at University for Development Studies, Tamale, Ghana

Potential of Lemongrass Tea as a Water Replacement in Broiler Chicken
Nutrition: Implications for Growth Performance and Health

Oleka, Ikechukwu John

Manager at Nigeria Social Insurance Trust Fund (NSITF), Nigeria

Full spectrum-driven Photocatalytic Water Splitting using Fe-doped
TiO₂-ZrS₂.

Prof. Amira Hassenin

Assistant Professor at Zagazig University, Egypt

Characterization and Comparative Analysis of *Pasteurella multocida* Isolates
from Ovine Pneumonia and Porcine Sources: Insights from MLST and
Virulence-Associated Gene Typing

Prof. Najma Memon

Professor at the University of Sindh, Pakistan

From Waste to Resource: Developing a Textile Binder from Banana Pseudostem Fiber

Plenary Closing

Envisioning the future: Science and the SDGs

**Wednesday, the 17th of April
18:00- 19:30 CET**

Link to the session

<https://us02web.zoom.us/j/89513709311?pwd=UCtYRVRRWGRSeXNuSDhVMUk2MHcvdz09>

Passcode: 650771

Moderators

Prof. Amal Amin - Dr. Almas Taj Awan

Prof. Atish Dabholkar

Director of ICTP, International Center for Theoretical Physics, Italy

Dr. Zika Eleni

Head of Scientific Impact and Feedback to Policy, Belgium

Dr. Anna Luise

Associated Research Director ISPRA – Italian Institute for Environmental Protection and Research, Italy

Lubna Dajani

Co-Chair USA - Catalyst 2030 and Founder/ Managing Director of. Allternet Ltd, US

Nabil Aziz Ksibi

Co-Founder Africa PID Alliance, Kenya

Barbara Glover

African Union Development Agency-NEPAD, South Africa

Closing Remarks

Prof. Amal Amin

Founder and Chair of the World Forum Women in Science, Egypt

Nerina Finetto

Founder of Traces&Dreams and Director of the WFWS 2024, Italy