

# 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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## 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.

**Preliminary Schedule**

### Registration

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

**Day one**

**Monday, the 15th of April 2024**

**Opening Ceremony**

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

**Prof. Amal Amin**

*Founder and Chair of the World Forum Women in Science*

**Dott. Nerina Finetto**

*Founder of Traces&Dreams and Director of the WFWS 2024*

**Dott. Vittorio Bo**

*Director of the Festival delle Scienze, Roma*

## Opening Plenary Session

### The importance of Networking, science diplomacy, and partnerships

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

#### Moderators

Prof. Amal Amin  
Dott. Nerina Finetto

**Prof. Quarraisha Abdool Karim**

Twas president

**Dr. Angela Liberatore**

*Head of the Scientific Management Department - European Research Council  
Executive Agency*

**Prof. Monte Priscilla**

Co-chair of the Global Young Academy

**Prof. Emanuela Colombo**

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

**Dr. Charles Lebon Mberi Kimpolo**

*Director - African Institute for Mathematical Sciences - Next Einstein Initiative*

**Mrs. Brenda Behan**

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

## Technical Session

### Empowering Women in STEM

Monday, the 15th of April  
12:15 - 13:45 CET

#### Moderators

**Prof. Shalini Subhash Arya**  
**Prof. Olubukola Oluranti Babalola**

**Prof. Shalini Subhash Arya**

*Professor of Food Technology at the Institute of Chemical Technology Mumbai*

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

**Prof. Olubukola Oluranti Babalola**

*Research Director, North-West University*

Rhizobium spp. and Mycorrhizal Fungi as Potent Biocontrol Agents in the Soybean (*Glycine max* L.) under Semi-Arid Environment

**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*

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

## Technical Session

### Technology and Health

Monday, the 15th of April

12:15 - 13:45 CET

### Moderator

**Ass. Prof. Hend Galal Eldeen Mohamed**

**Ass. Prof. Hend Galal Eldeen Mohamed**

*Faculty of Medicine, Ain Shams University, Cairo. 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*

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

**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

## Technical Session

### AI in Healthcare: Bridging Gaps and Understanding Diversity

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

#### Moderators

**Dr. Walaa Saad Hanafy Mahmoud**  
**Dr. Natalie Ann Gordon**

**Dr. Laure Stella Gnoma Linguissi**

*Lecturer, OWSD National Chapter Congo Republic*

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

**Dr. Walaa Shabaan**

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

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**

*Researcher in Intelligent Systems applied to healthcare  
La Salle University México*

Healthcare Analytics Evolution. DATA Mexico

**Dr. 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

**Prof. Julia Rodríguez Castelán**

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

Metabolic syndrome differentially affects ovarian histology in females of reproductive age

**Dr. Mireille Sylviane Dongmo Nguepi**

*Lecturer at University of Buea*

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

**Technical Session**

**Knowledge, Competences and Development**

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

**Moderators**

**Dr. Brigitta Ferenczik  
Prof. Arabella Bhutto**

**Dr. Brigitta Ferenczik**

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

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

**Dr. Ajoke Fehintola Idayat Akindele**

*Postdoc fellowship at the University of Medical Sciences, Ondo State*

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*

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

**Alhamzah Alnoor**

*Management Technical College, Southern Technical University, Basrah, Iraq*

Role of Women in Climate Change Awareness and Energy Transition Process

**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 literacy, Information needs and Information poverty. Underprivileged in the Ibadan metropolis, Nigeria



## Technical Session

### Innovations in Agriculture and Food Security

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

#### Moderators

**Prof. Zakaria Fouad Fawzy Hassan**  
**Prof. Olubukola Oluranti Babalola**

**Dr. Aminu Oluwafunmilayo Olarewaju**

*Lecturer at the 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*

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*

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*

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

## Moderators

**Prof. Nova Ahmed**  
**Dr. Jane Yau**

**Prof. Nova Ahmed**

*Professor at North South University*

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*

Empowering Women Through Technology and Innovation

**Dr. Papali Maqalika**

*Researcher and Lecturer at National University of Lesotho*

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

**Dr. Monica Gori**

*Researcher, Head of Unit for Visually Impaired People of IIT*

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

***Sherine Mohamed Abd El-Kader***

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

Women empowerment and development in Egypt and how to engage them with STEM.

**Jane Yau**

*Senior researcher at DIPF Leibniz Institute for Research and Information*

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**

**Moderator**

**Prof. Alice Krozer**

**Prof. Alice Krozer**

*Professor at El Colegio de México*

**Dr. Mariana Heredia**

*Prof. UNSAM - Universidad Nacional de San Martín (Argentina)*

**Dr. Katharina Hecht**

*Northwestern University (US)*

**Natalia Torres**

*Ir Amin (Israel)*

**Dr. Irene Lungo Rodríguez**

*Facultad de Ciencias Políticas y Sociales FCPyS- UNAM*

## Panel

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

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

## Moderator

**Prof. Yohana Velasco Santamaría**

**Prof. Yohana Velasco Santamaría**

*Full Professor at University of Los Llanos*

**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**

**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*

**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 and Education Innovations**

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

**Moderators**

**Dr. Sokyna Alqatawnah  
Prof. Carlotta Torricelli**

**Dr. Christine Mpofo**

*Researcher at the Department of Environmental Sciences, School of Agriculture and Environmental Sciences, University of South Africa*

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

*Saccharomyces cerevisiae*

**Dr. Sokyna Alqatawnah**

*Senior Lecturer at Arden University*

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

**Guia Baratelli**

*Teaching Assistant*

*Department of Architecture, Roma Tre University in Rome*

Exploring the Intersection of Modern Architecture and Pedagogy: Tracing the Evolution of Innovative School Design from the 1930s to Present Day

**Dr. Temidayo Olanrewaju Aduloju**

*Academic researcher*

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

Assessing the impact of knowledge management on building projects

**Prof. Carlotta Torricelli**

*Associate Professor in Architectural and Urban Composition*

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

**Dr. Enas Aref**

*Instructor & Researcher at Western Michigan University*

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

## Moderators

**Dott. Nerina Finetto**

**Dott. Vittorio Bo**

### **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*

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

### **Dr. Rhiannon Moss**

*Narrative Theorist - Traces&Dreams*

Why Future Literacy Matters



**Dr. Marie Elisabeth Muller**

*Senior Editor and Educator of New Media and Communications*

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

**Adriana Riccomagno –**

*Journalist and Author*

Narrating Climate Change

## Technical Session

### Tackling Gender Inequality

Tuesday, the 16th of April

12:15-13:45 CET

## Moderators

**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. Mamoona 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*

*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*

*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*

*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**

**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 | 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*

Advanced Optimization of Biogenic Silver Nanoparticle Synthesis Through Modeling and Computational Intelligence Techniques: Investigating Photothermal Antibacterial Efficacy

**Dr. Ghada Emam Khedr**

*Researcher at Egyptian Petroleum Institute*

Enhanced 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,*

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”

## Technical Session

### Health

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

### Moderators

**Prof. Shymaa Enany**  
**Dr. Kim Vaiphei**

**Dr. Kim Vaiphei**

*Post Graduate Institute of Medical Education and Research*

Rare complications observed in young Ulcerative Colitis patients

**Dr. Rituparna De**

*DHR NRI Scientist*

*Department of Health Research, GoI*

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*

Antimicrobial resistance is a major concern in the dairy industry

**Dr. Y.M.Piumika. Yapa**

*Research Assistant at University of Sri Jayewardenepura*

Antimicrobial activity, synergy, metal-doped silica nanoparticles, metallic nanohybrids

**Dr. Mireille Sylviane Dongmo Nguepi**

*Lecturer at University of Buea*

*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

#### 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

**Dr. 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*

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

**Aiman Siddiqui**  
*Civil engineer at NED University of Engineering & Technology*

Utilization of Waste Plastic in Developing Sustainable Construction Materials

**Prof. Rina Kumari**  
*Assistant Professor Central University of Gujarat*

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

**Dr. Linda Dyorisse Nyamen**

*Lecturer/Researcher*

*University of Yaounde*

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*

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**

**Moderators**

**Prof. Smita C Pawar**

**Dr. Mary Amoako**

**Dr. Anita Beutel**

*PhD in Physiotherapy at University of Cape Town*

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*

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

**Prof. Smita C Pawar**

*Professor at Osmania University*

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*

How can the public benefit from information on health and research outcomes? What is the way forward in public health response and management in LMIC?

**Technical Session**

**Circular Economy and Sustainable Materials**

**Tuesday, the 16th of April**

**16:00 - 17:30 CET**

**Moderators**

**Prof. Esther Akinlabi**

**Dr. Lucky Krishna**

**Dr. Lucky Krishna**

*Scientist Innovator at Amity University Haryana*

Nanomaterials: Advancement and Impact on the Environment

**Fathiah Azam**

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

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

**Dr. Ana Rufina Herrera Soto**

*Teacher and Researcher at Chemical Engineering School in the San Carlos University in 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*

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



## **Panel**

### **Science Diplomacy**

**Tuesday 18:00 - 19:30 CET**

## **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*

**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*

**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*

**Dr. Encieh Erfani**

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

## Panel

### **Future of Science Communications in Latin America and The Caribbean**

**Tuesday 20:00 - 21:30 CET**

## 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*

**Dr. Pampa García Molina**

*Director of Science Media Center España*

**Ximena Serrano Gil**

*President of the Colombian Association of Scientific Journalism*

**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**

**Moderator**

**Prof. Shamsun Nahar Khan**

**Dr. Jiayue-Clara Jiang**

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

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*

Vaccine clinical trial in a test tube

**Dr. Paloma Maripiha**

*National Health Institute in 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*

Antiviral Coating Covid

**Prof. Shamsun Nahar Khan**

*Professor at East West University*

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

## Technical Session

### Advancing Sustainability Solutions

Wednesday, the 17th of April

8:30 - 9:45 CET

### Moderator

**Prof. Lizeth Rodríguez**

**Nazia Akter**

**Prof. Lizeth Rodríguez**

*The academic division of Medicine and Nutrition at Universidad Cristóbal Colón*

Evaluation of new life potential in prefabricated buildings

**Dr. Pershaanaa K. Manogran**

*Researcher at Department of Physics, Universiti Malaya*

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

**Amrutha Muralidhar**

*Student at B. M. S College of Engineering*

AI-Driven Precision Agriculture for Sustainable Food Production

**Nissaf Sleimi**

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

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

**Carol Ngwenya**

*PhD Candidate at University of Cape Town*

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

## **Technical Session**

**Advancing Sustainable Solutions**

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

**Moderator**

**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*

*Exploring Gender Dynamics in Energy Transformation Policies: The gEneSys  
Project*

**Yousif Raid**

*Lecturer. Department of Civil, College of Engineering, Wasit University,  
Iraq.*

*Role of women in AI development*

## Panel

**Sustainable, Inclusive, Decolonized Innovation**

**Wednesday 12:15-13:45 CET**

### Moderator

**Prof. Mahesh Kumar**

#### **Dr. Wenmiao Yu**

*Co-founder and business director of Oxford-spinout Quantum Dice*

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

#### **Dr. Jharana Bhattarai Aryal**

*Researcher RMIT University*

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*

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

#### **Dr. Slezak Gabriele**

*University of Vienna / ÖFSE /*

Decolonizing Knowledge Systems in Scientific International Cooperation

#### **Maysoun Ramadan**

*Global Diversity & Inclusion Partner - Roche.*

Inclusion and diversity in corporate culture

## Technical Session

### Food and Agriculture

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

### Moderators

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

**Dr. Lai Lai**

*Universiti Putra Malaysia, Ministry of Agriculture and Irrigation*

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

**Dr. Nesma Alaeidin Zakaria Moussa**

*Assistant Lecturer*

*Faculty of Agriculture, Damietta University*

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

**Prof. Sarra Ahme**

**Dr. Nahla Mustafa Mohamed Ali**

*Associate Research Professor, Sudan*

*Independent Researcher, Belgium*

The farming industry has become more important than ever before in the next few decades. Soil Monitoring in Sudan IoT

**Malessa Louw**

*Doctoral student at the University of the Free State*

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*

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

**Technical Session**

**Health**

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

**Moderators**

**Dr. Temiloluwa Afolayan  
Dr. Olanike Christianah Akinduyite**

**Dr. Brenda Wanjiru Muriithi**

*Molecular Biologist and Bioinformatician at Jomo Kenyatta University of Agriculture and Technology*

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*

Diagnosis of scrub typhus in AES endemic regions

**Dr. Temiloluwa Afolayan**

*Lecturer and Researcher at Anchor University Lagos*

Malaria and differences related to blood types.

**Dr. Olanike Christianah Akinduyite**

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

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

**Dr. Aya Samir Mohammed**

*Bioinformatics, Faculty of Science, Helwan University*

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

**Technical Session**

**Innovations in Water Management**

**Wednesday, the 17th of April**

**14:00 - 15:30 CET**

**Moderators**

**Prof. Marwa El-Sayed El-Sesy**

**Prof. Mayson H. Alkhatib**

**Dr. Anwesha Ghosh**

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

Ocean acidification, marine life

**Dr. Ananya Muduli**

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

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*

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*

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*

## Technical Session

### Advancing Education for Inclusion and Sustainability

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

### Moderators

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

#### **Salma Hassaballa**

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

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*

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

**Dr. Sisassenkosi Sibonokuhle Dube**

*Mathematics lecturer in Rwanda*

Using Science to Improve Education for Sustainable Development Goals

**Dr. Ann-Kathrin Dittrich**

*Lecturer/Researcher at University Innsbruck*

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**

### **Moderators**

**Prof. Uloma Onyeka**  
**Prof. Mona Ahmed Hussein**

**Dr. Maria Tomas Cossa**

*Researcher at Gorongosa National Park and Bazaruto Center for Scientific Studies*

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*

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

**Prof. Amira Hassenin**

*Assistant Professor at Zagazig University*

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**

**Moderators**

**Prof. Amal Amin - Dr. Almas Taj Awan**

**Dr Zika Eleni**

*Head of Scientific Impact and Feedback to Policy*

**Prof. Dabholkar**

*Director of ICTP, International Center for Theoretical Physics*

**Lubna Dajani**

*Co-Chair USA - Catalyst 2030*

**Dr. Anna Luise**

*Associated Research Director ISPRA – Italian Institute for Environmental Protection and Research*

**Nabil Aziz Ksibi**

*Co-Founder Africa PID Alliance*