



## WORLD SCIENCE DAY FOR PEACE AND DEVELOPMENT 2023

### **Building Trust in Science: Strengthening High-quality and Equitable STEM Education for Sustainable Development**

#### *“Convention of Scientists”*

#### **to mark World Science Day 2023**

November 15, 2023 | Wednesday | 10:00 am – 11:40 am

Venue: Pakistan Science Foundation (PSF)

The World Science Day for Peace and Development, celebrated every year on 10 November, was established by UNESCO in 2001 to highlight the important role of science in society and the need to engage the wider public in debates on emerging and important contemporary issues relevant to science. This year’s celebration comes at a time where the world is witnessing rapid advancements in scientific innovations. Knowledge of the natural world has reached unprecedented levels, and technology has been manipulated to enhance and enrich our lives in remarkable and purposeful ways.

The global theme for this year’s World Science Day is “Building Trust in Science”. The role of science in shaping our collective future can only be fulfilled when there is a foundation of trust in science. This trust is what drives the development and application of evidence-based solutions to address the many complex challenges facing our world. Building trust in science is a complex issue, influencing both how scientists carry out their work and how society views the field of science. Also, enhancing trust in science strengthens the basis for science-based policy decisions and society’s support for their application.

The level of trust in science is closely linked to our understanding of scientific knowledge. It is challenging to trust that which we cannot comprehend. Therefore, in alignment with this year’s global theme, partners in Pakistan have chosen to center the theme of this year’s World Science Day for Peace and Development on **Strengthening high-quality and equitable STEM Education for Sustainable Development**.

High-quality Science, Technology, Engineering and Mathematics (STEM) education is crucial to prepare youth for the future. STEM education nurtures innovation and provides the scientific knowledge and skills needed to understand and address sustainability challenges. In light of current technological advancements across most aspects of daily human activity, STEM fields are considered catalysts for the achievement of the 2030 Agenda for Sustainable Development. STEM education facilitates innovative solutions to global challenges such as climate change, food insecurity, dimensions of poverty, global inequalities, among others.

With the progression of the Fourth Industrial Revolution, which is impacting every facet of our daily lives, the distinctions between STEM disciplines (Science, Technology, Engineering, and Mathematics) and non-STEM fields are becoming less clear. Thus, we must reconsider our educational approach by breaking down traditional curriculum boundaries that compartmentalize knowledge and skills into separate subject areas.

## Who Should Attend?

Policymakers, early career researchers and scientists, faculty members, teachers, students, science administrators, communicators , and science journalists.

## Tentative Programme:

Convention of Scientists – 15<sup>th</sup> November 2023

Time	Activity
10.00	Registration of Participants
10.30	Arrival of Chief Guest
10.35	Guests to be seated
10.40	Recitation from the Holy Quran
10.45	Welcome Address by <i>Prof. Dr. Shahid Mahmood Baig, S.I.</i> , Chairman Pakistan Science Foundation (PSF)
10.50	Remarks by <i>Dr. Seyed Komail Tayebi</i> , President of ECO Science Foundation (ECOSF)
10.55	Remarks by <i>Ambassador Dr. Mohammad Nafees Zakaria</i> , Executive Director of the Commission on Science and Technology for Sustainable Development in the South (COMSATS)
11.00	Address by <i>Dr. Youssef Filali-Meknassi</i> , Director of the United Nations Educational, Scientific and Cultural Organization (UNESCO), Islamabad Office
11.05	Keynote by <i>Dr. Sabieh Anwar</i> , Professor of Physics, Ahmad Dawood Chair and Dean at the Lahore University of Management Sciences (LUMS)
11.20	Address by the Chief Guest, <i>H.E. Dr. Umar Saif</i> , Federal Minister for Science and Technology, Government of Pakistan
11.30	Group Photo
11.40	Hi -Tea

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