



ECOSF NEWSLETTER

ECOSF Hosts H.E. Dr. Asad Majeed Khan, Secretary General Designate of ECO

Islamabad, June 26, 2024 – The Economic Cooperation Organization Science Foundation (ECOSF) had the distinct honor of hosting H.E. Dr. Asad Majeed Khan, the Secretary General Designate of the Economic Cooperation Organization (ECO). The meeting, which took place at the ECOSF headquarters, was aimed at discussing and promoting advancements in Science, Technology, and Innovation (STI) within the ECO region.



President of ECOSF, Prof. Seyed Komail Tayebi, warmly welcomed Dr. Khan and congratulated him on his prestigious appointment. Prof. Tayebi expressed his confidence that under Dr. Khan's extensive experience, leadership, and diplomatic acumen, the ECO will achieve significant milestones and notable success. Prof. Tayebi, in his remarks, expressed optimism about the future, stating, "With Dr. Khan's leadership and our collective efforts, ECO region can achieve remarkable progress in Science, Technology, and Innovation. His leadership at the ECO will lead to economic growth and strengthened regional ties."

Executive Director of ECOSF, Dr. Ghulam Muhammad Memon also contributed to the discussions with his insights and expertise. Dr. Memon expressed that role of ECO Secretariat is extremely crucial in bringing onboard all Member Countries together to support the ECOSF in financial and technical terms.

During the meeting, Engr. Khalil Raza, Program Manager ECOSF highlighted the key programs and initiatives of the ECO Science Foundation, including the technical advisory to Member Countries on Climate Mitigation and Decarbonization, Initiatives in

Science Education, promoting, STEM education, and the upcoming ECO Trade and Technology Exhibition and Conference (ECO TTEC), a major event designed to showcase the latest advancements and foster collaboration in trade and technology.



Considering the crucial role of the ECO specialized agencies, Ambassador Dr. Khan underscored the importance of Science and Technology in driving economic growth and regional trade expansion. He emphasized that Science and Technology is a fundamental lever for realizing the full potential of the ECO region. Dr. Khan expressed his commitment to supporting ECOSF's initiatives and fostering a collaborative environment among ECO member countries.

ECOSF Hosts Islamic Relief Pakistan's Country Director for Collaborative Meeting on Climate Change Solutions

Islamabad, June 12, 2024 – The Economic Cooperation Organization Science Foundation (ECOSF) had the pleasure of hosting Mr. Asif Sherazi, Country Director of Islamic Relief Pakistan (IRP), for an important meeting with ECOSF President, Prof. Seyed Komail Tayebi.



The meeting focused on the shared mission of both organizations to address climate change through various mitigation and adaptation interventions. With robust portfolios in tackling environmental challenges, ECOSF and IRP discussed the potential for collaborative efforts to accelerate climate solutions.

Prof. Tayebi and Mr. Sherazi expressed a keen interest and willingness to join hands in driving forward impactful initiatives in decarbonization, clean energy, electric mobility, GHG emission assessments, and climate change education.

Both organizations have principally agreed to work together to develop and implement projects that will contribute to sustainable development and environmental preservation. This collaboration marks a significant step towards strengthening efforts in combating climate change and promoting a greener future for the region.

ECOSF Hosts Ambassador of Kazakhstan to Foster Science, Technology, and Innovation in the ECO Region

June 3, 2023 – The Economic Cooperation Organization Science Foundation (ECOSF) had the honor of hosting H.E. Mr. Yerzhan KISTAFIN, Ambassador of Kazakhstan, for a discussion focused on promoting Science, Technology, and Innovation (STI) within the ECO region.



During the visit, Prof. Seyed Komail Tayebi, stressed the ECOSF's pivotal role in facilitating collaborations between universities, research institutions, and businesses across Kazakhstan and other ECO member states. Executive Director ECOSF emphasized the Foundation's potential to support Kazakhstan as a vital member state, he also requested Ambassador KISTAFIN to expedite the ratification of ECOSF by Kazakhstan.

Mr. Khalil Raza, Programme Manager of ECOSF, provided the delegation with a detailed presentation outlining ongoing programs and future initiatives aimed at bolstering STI within the ECO region, with a particular focus on Kazakhstan. He also highlighted the Foundation's efforts in providing science education and training programs to Central Asian Member Countries, contributing to the development of a skilled STI workforce. Key programs highlighted during the visit included the Inquiry-Based Science Education and Electric Mobility Initiative, along with the upcoming ECO Trade and Technology Exhibition and Conference (ECO TTEC).



H.E. Mr. Yerzhan KISTAFIN expressed deep appreciation for Professor Tayebi's leadership and ECOSF's vision in promoting STI within the ECO region. He reaffirmed unwavering support for ECOSF's mission and committed to assisting the Foundation in reaching its full potential. Ambassador KISTAFIN emphasized the vital role of STI in economic growth and regional trade integration.

ECOSF partnered with COMSATS and other partners in Celebrating the World Environment Day



June 5, 2024 - The Commission on Science and Technology for Sustainable Development in the South (COMSATS), in collaboration with the Ministry of Climate Change and Environmental Coordination, Ministry of Foreign Affairs, ECO Science Foundation (ECOSF), and Food Security and Agriculture Centre of Excellence (FACE), commemorated the United Nations World Environment Day by holding a High-Level Panel Discussion. Ms. Romina Khurshid Alam, Coordinator to Prime Minister on Climate Change and Environmental Coordination, was the Chief Guest.

Speaking at the occasion, the Chief Guest Ms. Romina noted that sustainable development can only be achieved through a holistic strategy that addresses the environmental, social, and economic dimensions of land degradation and environmental issues. She highlighted key measures to mitigate degradation and desertification, including pooling resources to invest in S&T, promoting R&D, supporting the efforts of scientists, building capacities of farmers' community with latest knowledge and skills to implement sustainable practices. She recounted some of the significant initiatives taken by her government to tackle environmental challenges, including the Living Indus Initiative, and the Recharge Pakistan.

The Executive Director COMSATS, Ambassador Dr. Mohammad Nafees Zakaria, stated that climate change, poverty, food security and eliminating hunger are among the intrinsically linked critical social and ecological challenges facing the developing world. He warranted alignment of remedial measures under a coherent policy approach driven by technology-based solutions, hence, COMSATS could play a role to assist countries.

Prof. Seyed Komail Tayebi, President ECO Science Foundation, remarked that climate change is not a matter of choice, it is a matter of survival and thus a multipronged approach that adopts innovation and ensures effective resource management is required. He added the solutions to addressing the environmental challenges lie in a multi-pronged approach that adopts innovation and responsible resource management. This is where science, technology and innovation play an important role. At ECOSF, we believe that scientific advancements hold the key to unlocking sustainable solutions.

A high-level panel discussion was subsequently held. The panelists included Dr. Kemal Güneş, Senior Chief Researcher, Vice President of TÜBİTAK MAM, Türkiye; Ms. Aban Marker Kabraji, Senior Advisor Climate Change and Biodiversity, United Nations Development Cooperation Office (UNDCO); Mr. Bilal Anwar, CEO, National Disaster Risk Management Fund (NDMRF); Cdre (Retd) Baber Bilal, Vice President, National Institute of Maritime Affairs (NIMA); and Dr. Sohail Malik, Technical Team Leader, Climate Resourcing Coordination Centre (CRCC). The panel discussion was held around the topics, restoring large-scale ecosystem, natural capital accounting, channelling financial investment into economic activities enhancing ecosystem assets, addressing the issues of water scarcity and sustainability, integrated land and water management, technology-driven nature-based solutions in promoting sustainable development, role of private sector, and Pakistan's Living Indus Initiative (LII) as one of the seven UN World Restoration Flagship programmes.

ECOSF and UIMS Collaborate to Host Virtual Lecture on Machine Learning, AI, and Data Science Dependencies

June 6, 2024 – The ECO Science Foundation (ECOSF), in collaboration with the Union of Iranian Societies of Mathematical Sciences (UISMS), organized a virtual lecture titled "Machine Learning, Artificial Intelligence, and Data Science Dependencies for Advancing Modern Technologies Using Basic Mathematics." This event was part of the ECOSF-UISMS Joint Lecture Series aimed at popularizing mathematics and science.

The keynote speaker for the webinar was Dr. Nazeer Muhammad, an Assistant Professor at the School of Computing Sciences, Pak-Austria Fachhochschule: Institute of Applied Sciences and Technology. Dr. Muhammad's expertise and engaging presentation provided valuable insights into the intricate dependencies of Machine Learning (ML), Artificial Intelligence (AI), and Data Science on foundational mathematical principles.



Dr. Nazeer Muhammad highlighted that rapid advancement of modern technologies is closely linked to the development of ML, AI, and Data Science, all of which leverage basic mathematical principles. Dr. Muhammad's talk explored the dependencies of these technologies on the foundational role of mathematics. He discussed how linear algebra (basis to PCA), calculus, probability, and statistics underpin the algorithms that power predictive analytics, pattern recognition, and autonomous systems

Classic mathematical concepts fuel these cutting-edge technologies. Attendees gained insights into the rigor of mathematics required to refine these models. Dr. Muhammad elaborated on the importance of a solid mathematical foundation for anyone looking to contribute to the ongoing revolution in ML, AI, and Data Science.

The webinar was well-received, with participants expressing their appreciation for the depth of knowledge shared and the relevance of the topic to modern technological advancements.

This lecture series emphasize the significance of such lectures in fostering a deeper understanding of the fundamental sciences that drive technological innovation. ECOSF is committed to promoting science education and collaboration among ECO member countries

ECOSF President participated in the Foundation stone laying Ceremony of Hosted by Pakistan Museum of Natural History

June 6, 2024, Islamabad - Pakistan Museum of Natural History hosted the Foundation stone laying Ceremony. The Federal Minister for Science and Technology, Dr. Khalid Maqbool Siddiqui, graced the occasion as the Chief Guest at the foundation stone laying ceremony. President ECOSF, Prof. Seyed Komail Tayebi participated in the event on behalf of ECOSF.

Dr. Siddiqui highlighted the crucial role that natural history museums play in developed countries in creating awareness and educating the public. He commended the Pakistan Museum of Natural History for its worthy efforts in raising awareness among the people of Pakistan about their natural environment. He also noted the significance of the presence of school children at the event, terming it a blessing.

Dr. Siddiqui also inaugurated two newly established galleries: the "Ocean Gallery" and "Skeleton: The Inside Story." Following his visit to the exhibits, he attended a formal ceremony where the Director General of the Museum, Dr. Saima Huma Tanveer, welcomed him and briefly highlighted the museum's aims and objectives.



During his visit of Pakistan Museum of Natural History, President ECOSF emphasized the crucial role of the Museum in science legacy, which is able to serve science education to the public as well as at ECO region.

Upcoming Events posted on ECOSF website and Facebook Page

CALL FOR PAPERS: Journal of International Economics Studies

The Editorial Board of the Journal of International Economics Studies invites submissions for a Special Issue focusing on the Economic Cooperation Organisation (ECO) Region. We welcome valuable papers that contribute to the understanding and development of the ECO Region's economy.

Special Issue for ECO Economy

Topics of Interest:

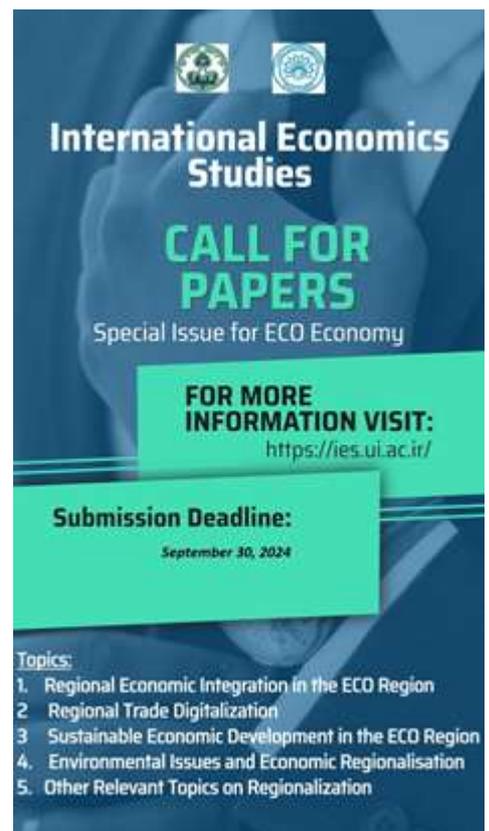
1. Regional Economic Integration in the ECO Region
2. Regional Trade Digitalization
3. Sustainable Economic Development in the ECO Region
4. Environmental Issues and Economic Regionalisation
5. Other Relevant Topics on the ECO Economy

Submission Requirements:

- Papers should be written in English and include all required components of a scientific article: a statement of the thesis, research questions, major findings, contribution to the literature, theoretical discussion, methodology, data, and sources.
- An abstract of 150-200 words is required, including keywords.

Submission Deadline: September 30, 2024

For guidelines and more information, please visit: [Journal of International Economics Studies](#)



International Online Workshop: Making STEAM Education Fun with Traditional Toys, 11th July 2024

The evolution of toys always mirrors the changes in society and technology. Traditional toys have communicated with humans and dealt with the problem of identity. They have also conveyed messages, old patterns, beliefs and some rites that are being forgotten. They have been made to show the children who to explore the role of science and technology in their life. In fact, toys from simple hand-made to digital give children a chance to explore and express their creativity and innovative skills.

Recognizing the importance of Traditional Toys, an International Online Workshop “Making Science, Technology, Engineering, Arts and Mathematics (STEAM) Education Fun with Traditional Toys” is being organized jointly by ECO Science Foundation (ECOSF) and National Science Museum of Thailand (NSM) on 11th July 2024.

The Teachers and Students are invited to attend the Workshop to learn the STEAM through an innovative concept of Traditional Toys.

Last date for the Registration is: 10th July 2024

Read More: <https://ecosf.org/STEAM-Education-Fun>

INTERNATIONAL ONLINE WORKSHOP

MAKING STEAM EDUCATION FUN WITH TRADITIONAL TOYS

Find inspiration & ideas about using traditional toys to promote STEAM and cultural education for young people with experts from Iran and Thailand!

Join us now!

Teachers, educators, communicators, curators, and toy makers from science museums, centers, and schools: Come and join our online workshop—registration is free!

Meet our experts!

Dr. Paveerat Samboonak
National Science Museum Thailand

Ms. Zahab Farid Haid
ECOSF Toy and STEAM Team Tehran, Iran

Ms. Zahab Bahad Tavani
ECOSF Toy and STEAM Team Tehran, Iran

Online Workshop

11 July 2024

11:00 - 17:00 hrs (Bangkok Time)

Zoom

More details **Register here!**

Please register by 10 July 2024

National Science Museum Thailand (NSM)
39 Moo 3, Technopolis, Khlong Ha, Khlong Luang, Pathum Thani, 12120, Thailand
More details: 02 577 9999 ext. 1669 (Wakaonee), wakaonee@nsm.go.th

NSM Thailand