



MAAP-PAS-ANSO Hybrid Workshop

"Ecosystem Restoration: One-Health and Pandemics"

Islamabad; June 5, 2022

Organized by

Pakistan Academy of Sciences (PAS)

&

Monbukagakusho-MEXT Alumni Association of Pakistan (MAAP)

Supported by

Pakistan Academy of Sciences (PAS) & Alliance of International Science Organization (ANSO)

HYBRID WORKSHOP

World Environment Day (WED) is celebrated annually on 5 June and is the United Nations' principal vehicle for encouraging awareness and action for the protection of the environment. World Environment Day is a global platform for public outreach, with participation from over 143 countries annually. The 2022 World Environment Day will be celebrated under the **Theme: Only One Earth.**

It will focus on the need to live sustainably in harmony with nature, and our possibilities for shifting to a greener lifestyle through both policies and individual choices. "Only One Earth" was the motto for the 1972 Stockholm Conference.

One Health is an approach calling for "the collaborative efforts of multiple disciplines working locally, nationally, and globally, to attain optimal health for people, animals and our environment", as defined by the One Health Initiative Task Force.

Environmental changes/alterations and anthropogenic drivers have been associated with emergence/spread of infectious diseases causing epidemics and pandemics. Throughout human history, there have been several pandemics that caused huge losses to humanity. Most famous of these are 14th century black death (estimated 75-200M deaths), 1918 Spanish flu (~50M), 1957-58 Asian Flu (estimated 2M), 1968 Hong Kong flu (estimated 1M), 2009-10 Swine flu (~150,000-500,000) etc. Responding to or planning for a pandemic is a complex process. Most important global pandemic preparedness indicators include prevention of the emergence or release of the potential pathogen, early detection and assessing their expansion, emergency response, global risk mitigation, strong healthcare system, commitment to improving national capacity in compliance with the global needs, and overall assessment of country's vulnerability to risk/biological threat.



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PRELIMINARY PROGRAM

June 5, 2022 (Sunday)

08:00 – 09:00 Registration

09:00- 09:30 Inaugural Session

Technical Session

09:30 – 12:15

Moderator: Prof. Dr. Zabta K. Shinwari

09:30 - 09:45	Biodiversity loss: One- Health and pandemics	Prof. Dr. Zabta K. Shinwari
09:45 - 09:55	AI and biodiversity	Dr. Nancy Connell, US-NAS
09:55 - 10:05	Insurance Policy for the Unknown	Dr. Dave Franz, US-NAS
10.05 - 10:15	Bates and pandemics	Dr. Muhammad Ali Assistant Professor, QAU & PI-ANSO Project
10.15 - 10:25	Zoonosis: Can We Mitigate Risks Species Jumps?	Dr. Tim Trevan Co-Founder, Chrome Biorisk Management Consulting
10:25 - 10:35	Advances in life sciences and the risk of pandemics	Prof. Dr. Nariyoshi Shinomiya President, National Defense Medical College, Japan
10:35 - 10:45	Q & A/Discussion	
10:45 - 11:00	Excercise Break/Human Need	
11:00 - 11:15	NIH and One Health	Maj. Gen. Dr. Aamer Ikram NIH, Islamabad
11:15 - 11:25	Fleming Fund and Pandemics	Dr. Ayesha Rasheed Fleming Fund
11:25 - 11:35	IHRA role in controlling pandemics	Dr. Quaid Saeed CEO-Islamabad Healthcare Regulatory Authority (IHRA)



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11:35 - 11:45	Antibiotic resistance and One Health	Prof. Dr. Li Cui Institute of Urban Environment, CAS
11:45 - 11:55	Ecocivilization for the Protection of Environment	Dr. Shahbaz Khan (UNESCO- Beijing)
11:55 - 12:05	Are there sufficient education resources to underpin effective implementation of the Tianjin Biosecurity Guidelines for Codes of Conduct for Life Scientists? Results of a Survey	Prof. Lijun Shang / Dr. Malcolm London Metropolitan University, UK
12:05 - 12:15	Concluding remarks	Dr. Fazal Hadi Chair Board, Islamabad Healthcare Regulatory Authority (IHRA)
12:15 - 13:10	MAAP General Body Meeting	MAAP Fellows only
13:10 - 14:00	Networking Lunch & Prayer Break	

CONTACT INFORMATION

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For hospitality and information: Mr. Hamza Waheed (Email: hamza@paspk.org; info@paspk.org; Tel: 051 9204843; Mobile: +92-3345415788)

IMPORTANT DATES

May 25, 2022	1 st Announcement
May 29, 2022	Due date for abstract and CV submission
May 31, 2022	Notification of the acceptance of the abstract
May 31, 2022	Registration due date
June 3, 2022	Due date for submission of the presentation file/ final paper

LANGUAGE

English is the official language of the workshop. This language will be used for printed materials, presentations and discussions.

VENUE OF THE HYBRID WORKSHOP

Pakistan Academy of Sciences, 3-Constitution Avenue, G-5/2, Islamabad, Pakistan

ACCOMMODATION

PAS Fellows Lodge, Islamabad, Pakistan



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ORGANIZING COMMITTEE

- Prof. Dr. Khalid M. Khan, Patron & President PAS
- Prof. Dr. Tasawar Hayat, Co-Patron & Secretary General PAS
- Prof. Dr. Zabta Khan Shinwari, President MAAP & Convener
- Prof. Dr. Amin Badshah, Treasurer PAS
- Dr. Iftikhar Niaz Azeem, Secretary MAAP, Organizer
- Dr. Afaq Hussain, Finance Secretary MAAP, Organizer
- Dr. M. Ali, PI-ANSO Project (Co-Organizer)
- Dr. Riffat M. Qureshi, Organizer
- Dr. Irum Iqrar, Organizer
- Mr. Sajid Majeed, Organizer
- Mr. Ibrar Khan, Organizer
- Mr. Hamza Waheed, Organizer
- Mr. Muhammad Naseer, Organizer

Pakistan Academy of Sciences (PAS): PAS was inaugurated by the then Prime Minister of Pakistan in February 1953. The Government of Pakistan has bestowed consultative and advisory status to the Academy on all problems relating to the development of scientific efforts in the country. Currently, the PAS has 83 Fellows, 34 Foreign Fellows, and 26 Members. The Academy has been serving as the most prestigious scientific body in the country and has been offering science-based advice to Government on various matters. The Academy organizes and supports conferences on topics of national importance and lectures on emerging areas of sciences. The salient recent activities of the Academy include regular monthly brainstorming sessions under the banner of “*Making Pakistan Science Conscious*” amongst senior and young scientists (*i.e.*, postgraduate students and young faculty), organized in collaboration with universities and scientific organizations of the country.

Monbukagakusho-MEXT Alumni Association of Pakistan (MAAP): MAAP is an organization of the scholars studying in Japanese institutions in the field of natural sciences, engineering & technology, social and medical sciences, public policy & management, etc. who were awarded scholarships by the MEXT (Ministry of Education, Science and Culture, Japan: Monbukagakusho) to pursue their higher studies in Japan. It was founded in March 1996 in Islamabad by the then Scholars with the moral support of the Embassy of Japan in Islamabad. Most of the MAAP members earned higher-level post-graduate degrees (Master's and PhDs) and did their Post-Doc have quite intensive professional experience in research and academic assignments at Japanese universities, research institutions and leading industry/ consulting firms. At present, many members are occupying very senior positions in various academic, and R&D institutions including in industry, multi-national and government organizations/ ministries in Pakistan.



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ANSO Alliance of International Science Organizations

Alliance of International Science Organization (ANSO): ANSO is a non-profit, non-governmental international scientific organization founded in 2018 by the Chinese Academy of Sciences and 36 other international science and education institutions from around the world. ANSO came into being under the principles of "joint consultation, joint effort and joint sharing" championed by the Chinese "Belt and Road Initiative".

ANSO is committed to promoting shared development, sustainable development and the advancement of the UN SDGs through catalyzing and implementing concrete international cooperation initiatives in Science, Technology & Innovation and Capacity Building (STIC). It is envisaged that ANSO will focus attention on the investigation and addressing of the most urgent regional and global scientific challenges. This focus includes supporting the needs and scientific capacity building of the Global South through partnerships and cooperation with the member countries and institutions. ANSO is an international organization designed to win global recognition and support through continuous activity, sound scientific programs and actions and success in addressing global needs and challenges.

Hybrid Workshop Coordinators

Dr. M. Ali, Dr. Riffat M. Qureshi & Prof. Dr. Zabta K. Shinwari