

# Science Council of Asia

## The 24<sup>th</sup> Annual Conference

### Food Security, Sustainability, and Biodiversity

A HYBRID EVENT WITH OPTIONS FOR PHYSICAL AND VIRTUAL PARTICIPATION

**16 - 18 November 2025 (Sunday-Tuesday)**

at

**Pakistan Academy of Sciences (PAS)**

3 - Constitution Avenue, Sector G-5/2, Islamabad, Pakistan

**Organized by**



**Pakistan Academy of Sciences**  
Islamabad, Pakistan

**Supported by**



**Science Council of Asia**  
Tokyo, Japan

## 2<sup>nd</sup> ANNOUNCEMENT



**SCAC 24 (PAKISTAN)**

## Invitation

In the current era of climatic challenges and rising global populations, achieving food security while preserving biodiversity and fostering sustainability has become one of the world's most pressing issues. Environmental hazards, rapid Climate changes, deforestation, habitat loss, and unsustainable agricultural practices are depleting ecosystems, threatening biodiversity, and compromising food production systems. As the global population continues to rise, the demand for food intensifies, placing pressure on natural resources and ecosystems.

Accordingly, there is a dire need of collaboration among regional countries which is central to achieving optimum success in this area and this needs intensive discussion and interaction among the relevant professionals and policymakers from around the region for dialogue to devise a comprehensive way forward to achieve 'Food Security, Sustainability, and Biodiversity'. Pakistan Academy of Sciences (PAS), Islamabad-Pakistan has planned organization of the 24<sup>th</sup> SCA Conference (24<sup>th</sup> SCAC) in Islamabad, Pakistan, during 16-18 November 2025, with the theme of '**Food Security, Sustainability, and Biodiversity**'. This Conference aims to bring together international experts, policymakers, academicians, business leaders, and practitioners to discuss innovative strategies, share knowledge, and forge partnerships for a sustainable future. The conference seeks to unite diverse voices to tackle interconnected global challenges. The meeting will consist of keynote lectures, Invited lectures, and poster presentations. It will also feature an exhibition space for showcasing posters containing innovative solutions, products, and research for sustainability and biodiversity conservation. As such, this 24<sup>th</sup> SCA Conference is expected to serve as a platform to initiate meaningful dialogue, drive innovation, and shape policies promoting a resilient, sustainable future for humanity and the planet.

On behalf of the Science Council of Asia (SCA), the Pakistan Academy of Sciences (PAS), as the local Organizer, warmly **extends a cordial invitation** to the relevant professionals and stakeholders working in the Academies of Science as well as scientists, academicians and young researchers in the Asian Region to attend the 24<sup>th</sup> SCA Conference in Islamabad, Pakistan.

**Prof. Dr. Kauser Abdulla Malik (H.I., S.I., T.I.)**

*President*

*Pakistan Academy of Sciences*

**Prof. Dr. M. Aslam Baig (H.I., S.I., T.I.)**

*President SCA & Secretary General*

*Pakistan Academy of Sciences*

## Important Dates

Last Date of On-line Registration	30 September 2025
Closing Date of Abstract Submission	20 September 2025
Notification about Abstract Acceptance	30 September 2025
Closing Date of Paper/Manuscript Submission	15 October, 2025
24 <sup>th</sup> SCA Conference	16-18 November 2025

### Regarding Online Participation

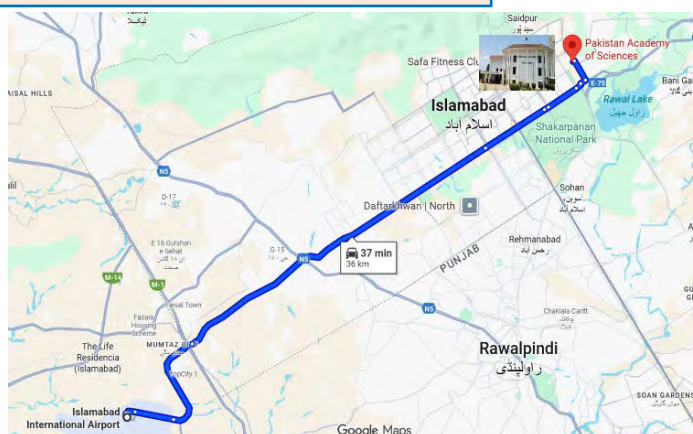
- Participation in the Conference will also be possible online.
- Those who wish to participate online, but have not yet notified the Conference Secretariat, are kindly requested to do so in advance.
- The Conference Secretariat (see contact details provided at the end of this document) will provide the online participation URL and QR code separately to all those who have indicated their preference.

## The 24<sup>th</sup> SCA Conference Dates

16 - 18 November 2025 (Sunday -Tuesday)

### Venue

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



### Theme

The Theme of the 24<sup>th</sup> SCA Conference has been fixed as '**Food Security, Sustainability, and Biodiversity**'. Accordingly, the typical contents for deliberations relevant to these three subthemes in the 24<sup>th</sup> SCA Conference are as follows:

- **Food Security:** This theme includes use of smart technology for precision agriculture, utilization of digital tools and biotechnology in sustainable food systems as well as bio-health agriculture for healthy food production.
- **Sustainability:** This theme includes the concept of food, health, and energy security via sustainability and biodiversity; and understanding/adoption of Sustainable Development Goals (SDGs) concerning biodiversity, sustainability, and food security.
- **Biodiversity:** This theme includes threats and measures addressing the challenges of climate impacts on biological diversity.

### The Conference Program will include:

- Theme Lecture
- Plenary Lectures
- Keynote and Invited Lectures in parallel Scientific Sessions on the following three subthemes, namely:
  - 1) Food Security, 2) Sustainability, and 3) Biodiversity
- Young Researcher's Session
- Future Earth Symposium
- Posters Presentation

## The Program at a Glance

Day-1:		16 November 2025 (Sunday)	
08:30-16:00	Registration (Lobby)		
09:00-10:00	Inaugural Ceremony (Auditorium)		
10:00-10:50	Theme Lecture: Bridging Food Security and Biodiversity for Cultivating Wellness and Sustainability in Life and Environment (Auditorium)		
10:50-11:30	Break for Group Photo and Refreshments (Dining Hall)		
11:30-12:15	Plenary Lecture I (Auditorium)		
12:15-13:00	Plenary Lecture II (Auditorium)		
13:00-14:30	Lunch Break and Posters Display (Lobby)		
14.30-16.00	Scientific Session I (Auditorium)	Scientific Session II (Committee Room)	Scientific Session III (Conference Room)
16.00-17:00	Break: Light Refreshments and Poster Presentations		
17.00-18.00	Management Board Meeting (Conference Room)		
18.30-20.30	Reception / Welcome Dinner (PAS Lawn)		
Day-2:		17 November 2025 (Monday)	
09:00-09:45	Plenary Lecture III (Auditorium)		
09:45-10:30	Plenary Lecture IV (Auditorium)		
10:30-11:00	Light Refreshments (Dining Hall) and Poster Presentations (Lobby)		
11:00-11:45	Plenary Lecture V (Auditorium)		
11:45-12:30	Plenary Lecture VI (Auditorium)		
12:30-14:00	Lunch Break and Posters Display (Lobby)		
14:00-15:30	Scientific Session IV (Auditorium)	Scientific Session V (Committee Room)	Scientific Session VI (Conference Room)
15:30-16:00	Light Refreshments and Poster Presentations (Lobby)		
16:00-17:30	Young Researcher’s Session (Auditorium)		
17:30-18:00	Light Refreshments (Dining Hall)		
18:00-19:00	General Assembly Meeting (Conference Room)		

Day-3:	18 November 2025 (Tuesday)
09:30-11:30	Future Earth Symposium (Auditorium)
11:30-12:00	Light Refreshments (Dining Hall)
12:00-13:00	Concluding Session (Auditorium)
13.00-14.30	Group Photo and Lunch
	End of 24 <sup>th</sup> SCA Conference

## General Information

**Weather:** The weather in Islamabad in November is moderate and usually very pleasant. Average day temperature is around 25° C and night time temperature is around 20° C.

**Conference Venue:** Pakistan Academy of Sciences, 3-Constitution Avenue, Sector G-5/2, Islamabad.

**Visa:** Citizens of most countries require visa for entry into Pakistan. The local Pakistan Embassy or Consulate may be contacted to know the essentials for visa application. The Administration Office of the Pakistan Academy of Sciences will provide visa Letter to all accepted foreign participants, speakers, and members of the Organizing Committees of the 24<sup>th</sup> SCA Conference (if required).

**Airport Pick & Drop:** Pakistan Academy of Sciences (PAS) will provide complimentary airport pick and drop to all international participants and speakers from Islamabad International airport to the respective hotels and from the Hotels to the Conference Venue. Please be informed that an official of the Pakistan Academy of Sciences (PAS) will be waiting for you in the exit lobby after you leave the baggage claim/customs area. This person will be easily identified with a sign displaying the logo of the **24<sup>th</sup> SCA Conference, Islamabad**. You might be asked to wait a few minutes (no more than 25-30) if other foreign participants are arriving around the same time as you. In case you don't find the person with the sign, please call\* Dr. Riffat M. Qureshi at +92-3008568378; or Mr. Muhammad Naseer at +92-3456083069. They will take necessary actions to ensure that a PAS coordinator meets you at the airport. For those participants requiring airport transfer who have not yet informed PAS of their arrival time at the airport, please contact the Conference Secretariat <[scac24@paspk.org](mailto:scac24@paspk.org)>.

*\*The numbers can also be reached via WhatsApp*

For your departure, to ensure that your transfer to the airport is organized correctly, kindly confirm your flight details with Mr. Muhammad Naseer (+92-3456083069) during the meeting. As a reference, please consider the information below:

- **Domestic Flights:** your transfer will leave the hotel 2 hours before your flight time – please note that, even if your final destination is outside of Pakistan, if you are departing from Islamabad in a domestic flight (to Karachi, for example), consider this for your transfer.
- **International Flights:** your transfer will leave the hotel 4 hours before your flight time.



In case of any emergency, participant(s) may also avail the following Airport Taxi facility from Counter located within Airport terminal to reach the Hotel or the Conference Venue (Pakistan Academy of Sciences, 3-Constitution Avenue, G-5/2, Islamabad):

**Islamabad Airport Taxi**

Concourse Hall, Islamabad International Airport, Islamabad, Pakistan (Open 24 hours)

Call/WhatsApp: 0333-5139427,

Email: [islamabadairporttaxi@gmail.com](mailto:islamabadairporttaxi@gmail.com)

Fare: ~Pak Rupees 4000/- (from Airport to Venue)

Please contact the Conference Secretariat for further information.

**Travels and Tours:** Customized Tours can be organized for foreign participants upon arrival at Venue. Participant(s) may take the Metro Cab for Local trips (subject to information to the Local Organizers/Focal Persons) at the following Address / Contact:

**METRO CAB, ISLAMABAD**

Car leasing service/ Transportation Service (Open 24 hours)

China Chawk, Hajveri Plaza. Blue Area, Opposite to State Life Building. Islamabad

Fare: ~Pak Rupees 4000/- (from Airport to Venue)

Contact / Cell: 0300 5557806

Please contact the Conference Secretariat for further information.

**Accommodation:** Accommodation of hotels nearby Conference Venue can be arranged on request. Please contact the Conference Secretariat for further information.

**Islamabad Hotel**

G-6, Civic Centre, Melody Chowk, Islamabad

<https://islamabadhotel.com.pk/>

**Regency Hotel**

1-Club Rd, Rawal Chowk, Islamabad

<http://www.grandregencyhotels.com/>

**Legend Hotel**

56A Ataturk Ave, G-5/2 Islamabad

<http://www.legendhotelspk.com/>

**Sintra Hotel**

Melody Market, G-6 Markaz, Islamabad

<http://thesintrahotel.com/>

**Regalia Hotel**

St # 48, G-6/1 Islamabad

<http://www.regalia.com.pk/>

**Ramada Hotel**

1-Club Road Opposite Rawal Lake, Islamabad

<https://ramadaislamabad.com/>

The Pakistan Academy of Sciences (PAS) will cover stay of some of the foreign participants of the Conference in the PAS Fellow Lodge located within the PAS Secretariat, Islamabad or in Hotels nearby the Conference Venue for the duration of the 24<sup>th</sup> SCAC (16-18 November 2025).

Phone calls, room service, all sort of beverages, mini bar, laundry, and other similar expenses are of the responsibility of each guest participant. Guests in need of early check-in/late check-out, staying for additional nights are responsible for covering these extra expenses (to be paid directly to the hotel).

- If you will need early check-in/late check-out / stay at the hotel for extra night(s) and still have not informed to the local organizers of the Conference, please do so as soon as possible.
- Your name will be at the front desk of the PAS Fellow Lodge or at the respective hotel. A reservation number is not required.
- The staff of the Pakistan Academy of Sciences (PAS) will maintain contact with the foreign participants residing at the hotels for the duration of the 24<sup>th</sup> SCAC.

**Language:** English is the official language of the Conference. Simultaneous translation will not be available.

**Currency:** The national currency of Pakistan consists of bills ranging from Pak Rupees (Rs.) 10, Rs. 20, Rs. 50, Rs. 100, Rs. 500, Rs.1,000 and Rs.5,000. If you wish to exchange money, we recommend you do it at the airport, in official bank agencies. However, it may be exchanged at currency exchange centers located in Blue Area (name of the Commercial Zone), Islamabad. Pak Rupee (Rs.) Conversion rate US\$= Pak Rs. 282/- (approx.).

**Time Zone:** The official time in Islamabad is GMT+5.

**Electricity and Connectivity:** The electrical voltage at the PAS Secretariat/ nearby hotel rooms is of 220V. Wi-Fi access is mostly available in the hotel lobby, rooms, and venue of the Conference.

**Registration/Conference Material:** Registration will open at 8:30 on 16 November, 2025 (Sunday) in the Lobby of the PAS Secretariat. Registered participants may collect the 24<sup>th</sup> SCA Conference Materials from the Registration Desk after identification.

**Reception/ Welcome Dinner:** On 16 November, 2025, an informal meet & greet (casual dressing) followed by Welcome Dinner will take place at the PAS Lawn at 18:30-20:30 Hrs. After dinner, guests will be transferred back to the hotel. Please check the Conference agenda for further details.

**Meals:** During your stay in Islamabad, outstation participants may have meals (except the Welcome Dinner at PAS) in their respective Hotels/ resorts at their own. However, lunch will be served in the dining hall of PAS.

**Transportation during the Meeting:** The Organizers of the Conference will inform participants about their pick and drop schedules from Hotel to the Venue and back upon their arrival in Islamabad.

**Additional Details:** If a Conference participants has any dietary restriction or any health problems or demands, he/she may inform the Local Organizers as soon as possible, so that we can make special arrangements for you. In case you have any health problems during your stay, please inform the organizers as soon as possible. In case you need any over the counter medication, there are pharmacies near the hotel. Please ask for directions at the front desk of the hotel.

## Registration Fees for Physical Participation

- |  |            |
|--|------------|
| a. <b><u>Local Participants</u></b>                  |            |
| General  | Rs. 2000/- |
| Students (Proof needed)                              | Rs. 1000/- |
| b. <b><u>Foreign Participants &amp; Speakers</u></b> |            |
|  | No Fee     |

## Closing Date for Registration: 30 September 2025

For online registration, please use the relevant Google Form

(Link: <https://tinyurl.com/268rsvzn>).

The physically attending Participant's registration fee includes access to Scientific Programs, Publications, Reception, Tea/Coffee, Lunch, Dinner and other Social Programs (except personally arranged tours).

## Call for Submission of Abstracts (for Poster Presentation only)

Participants interested in presenting their original works in the Poster Sessions at the Conference are invited to submit abstracts of their posters by **30 September 2025**.

### Instructions for Abstracts (Poster Presentation only)

The Abstract should be structured as a) Background and Objectives, b) Methods, c) Results, and d) Conclusions. The abstract should be within 350 words. The Presenting Author's name should be underlined. The presenting author's full contact address (including phone number and e-mail must be given). The abstract may be submitted online using the relevant Google Form (Link: <https://forms.gle/VD42L8QWYhKVxvPD8>) or it can be submitted by sending it to the Secretariat through e-mail to <[scac24@paspk.org](mailto:scac24@paspk.org)>.

## Call for Submission of Abstracts and Manuscripts for the Conference Proceedings

Participants interested in presenting their original works in the Plenary and Scientific Sessions at the Conference are invited to submit abstracts by **20 September 2025 and upon acceptance of these by the Conference Management Committee, the full manuscript by 15 October, 2025** to allow for printing of the same after peer review in the Proceedings of the Pakistan Academy of Sciences (PPAS): Part-B: (Life and Environmental Sciences). Instructions for the compilation and submission of manuscripts may be downloaded from the website of the Journal ([www.ppaspk.org](http://www.ppaspk.org)) and/or website of the Pakistan Academy of Sciences ([www.paspk.org](http://www.paspk.org)). The abstract may be submitted online using the relevant Google Form (Link: <https://forms.gle/Cv17fXnC53GQUstI7>) or it can be submitted by sending it to the Secretariat through e-mail to <[scac24@paspk.org](mailto:scac24@paspk.org)>.



## Conference Organization Committee

### Pakistan Academy of Sciences

Prof. Dr. Kauser Abdulla MALIK  
Prof. Dr. M. Aslam BAIG  
Dr. Riffat Mahmood QURESHI  
Dr. M. Javed AKHTAR  
Prof. Dr. Mushtaq AHMAD  
Mr. Muhammad NASEER

### SCA Secretariat (Japan)

Prof. Dr. SHIBUSAWA Sakae  
Mr. OHNUMA Kazuyoshi  
Mr. NISHIDA Iwao  
Mr. KUBOI Kohki  
Ms. KAWAUCHI Yunako

### **Coordinator / Scientific Secretary**

Dr. M. Aslam Baig

### **Focal Persons**

Dr. Riffat Mahmood Qureshi  
Dr. M. Javed Akhtar

### **Reception / Registration Committee**

Dr. Sara Qaiser  
Ms. Sadia Khalid  
Ms. Ayesha Ahsan  
Ms. Bushra Ali  
Ms. Elizay Hayat Khan  
Ms. Laiba Khan

### **Finance Committee**

Dr. Riffat Mahmood Qureshi  
Mr. Sajid Majeed  
Mr. Tassadaq Hussain

### **Logistics and Transport Committee**

Mr. Muhammad Naseer (+92-3456083069)  
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Mr. Ali Ahsan (+92-3046739948)

## Contact Persons

<b>Pakistan Academy of Sciences</b>	<b>SCA Secretariat</b>
<b>Prof. Dr. M. Aslam Baig</b> President, Science Council of Asia Secretary General, Pakistan Academy of Sciences, 3-Constitution Avenue, G-5/2, Islamabad, Pakistan	<b>Prof. Dr. SHIBUSAWA Sakae</b> Secretary General/ Treasurer Member of the Science Council of Japan
<b>Dr. Riffat Mahmood Qureshi</b> Director Administration, Pakistan Academy of Sciences, 3-Constitution Avenue, G-5/2, Islamabad, Pakistan	<b>Mr. OHNUMA Kazuyoshi</b> Director for International Affairs, Science Council of Japan secretariat
<b>Dr. M. Javed Akhtar</b> Editor-In-Chief, Pakistan Academy of Sciences, 3-Constitution Avenue, G-5/2, Islamabad, Pakistan	<b>Mr. NISHIDA Iwao</b> Deputy Director for International Affairs, Science Council of Japan secretariat
<b>Mr. M. Naseer</b> Manager IT, Pakistan Academy of Sciences, 3-Constitution Avenue, G-5/2, Islamabad, Pakistan	<b>Mr. KUBOI Kohki</b> Section Chief for International Affairs, Science Council of Japan secretariat
<b>Mr. Ali Ahsan</b> Technical Officer, Pakistan Academy of Sciences, 3-Constitution Avenue, G-5/2, Islamabad, Pakistan	<b>Ms. KAWAUCHI Yunako</b> Official for International Affairs, Science Council of Japan secretariat

**Correspondence****Conference Secretariat**

24<sup>th</sup> Science Council of Asia Conference (24<sup>th</sup> SCAC)

Pakistan Academy of Sciences (PAS)

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## Introduction to Pakistan Academy of Sciences

The Pakistan Academy of Sciences (PAS) is an autonomous, supreme scientific body of distinguished academicians and scientists in the country. It was established in 1953 as an apex body to promote higher studies and scientific research in the domain of pure and applied sciences in Pakistan and to provide a platform for interaction among academicians, scientists and technologists for socio-economic uplift of the country.

Highly acclaimed professionals in the domain of natural sciences and allied discipline join the Academy as its Fellows and/or Members. Presently, the Academy has on its roll some 85 Pakistani Fellows, 40 Foreign Fellows, and 27 Pakistan national Members who have been elected by the General Body of the Academy. These Fellows & Members act as a pool of highest scientific talent in the country. Some of these Fellows are also recipient of international awards such as Obada Prize, Mustafa (PBUH) Prize in Science and Technology, Alkhawarizmi Prize, and many others.

The Academy also publishes and assists in the publication of Scientific Proceedings, Journals, Transactions, Monographs, Books and other scientific literature. Presently, the Academy is publishing two Flagship Science Journals, one in the domain of “Physical & Computational Sciences” and the other in the domain of “Life & Environmental Sciences”. The Academy also hosts a Scientific Advice to Government-Unit/Policy Unit for review, upgrade and compilation of policies of national concern.

The Academy has signed MoUs with 21 Academies of Sciences worldwide for collaboration in the field of S&T. The Pakistan Academy of Sciences serves as the academic and scientific face of Pakistan on the world map of Academies of Science.

Presently, Prof. Dr. Kauser Abdulla Malik and Prof. Dr. M. Aslam Baig represent Pakistan Academy of Sciences as its President and Secretary General, respectively for the term 2024-2026.



## Introduction to Science Council of Asia

The Science Council of Asia (SCA) is an international scientific organization founded in 2000 by Asian science academies and other national scientific organizations. The first SCA conference was held in Bangkok, Thailand, in May 2001.

SCA aims to provide scientists in all fields, including cultural and social as well as natural sciences and technology, a collaborative platform for promoting scientific exchange and cooperation in Asia, and to develop and promote a holistic vision focusing on sustainable development and improvement in quality of life.

The annual SCA conference is held on a rotational basis so that each member country/region can actively participate in and contribute to the SCA. The annual conference consists of a General Assembly, a Management Board Meeting, and a Symposium which provides discussions among scientists, engineers, policymakers, and students from Asia.

At present, SCA is comprised of 31 academic organizations in Asia.



23rd Science Council of Asia Conference  
November 30 – December 2, 2024, Hybrid (Dhaka, Bangladesh / Online)