



Newsletter

PAKISTAN ACADEMY OF SCIENCES

Promoting Science, Technology and Innovation for Socio-economic Development

AASSA – PAS Symposium on Radiation Techniques in Health and Environment (August 18-20, 2025)

Volume 20, No. 4

October 2025

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Fellows and Members may submit news and views related to Science and Technology to:

**Editor-in-Chief
Pakistan Academy of Sciences
3-Constitution Avenue,
G-5/2, Islamabad,
Pakistan**

Email: editor@paspk.org

Tel: (+92 51) 920-7140

Web: www.paspk.org



Pakistan Academy of Sciences (PAS) in collaboration with the Association of Academies and Societies of Sciences in Asia (AASSA) organized the "Symposium on Radiation Techniques in Health and Environment", from August 18-20, 2025 at the PAS Auditorium, Islamabad. The event was mainly supported by The Inter Academy Partnership (IAP). The Domestic Partners namely: Pakistan Atomic Energy Commission (PAEC), Islamabad, Pakistan; Health Services Academy (HSA), Islamabad, Pakistan; National University of Science & Technology (NUST), Islamabad, Pakistan; and Quaid-i-Azam University (QAU), Islamabad, Pakistan, also contributed significantly in organizing this symposium. Prof. Dr. Kauser Abdulla Malik, President PAS, and Prof. Dr. M. Aslam Baig, Secretary General PAS, addressed and welcomed the conference delegates and participants. Prof. Dr. Ahmet Nuri Yurdusev, President, the Association of Academies and Societies of Sciences in Asia (AASSA) was invited as a Chief Guest and Dr. Masood Iqbal, Member Science Pakistan Atomic Energy Commission (PAEC), Islamabad, Pakistan, was invited as a Guest of Honor, at the occasion. Moreover, Dr. Abul Kalam Azad Chowdhury, President BAS, The Bangladesh Academy of Sciences (BAS), Dhakka, Bangladesh; Prof. Dr. Xiangke Wang, Dean of College of Environmental Science and Engineering, China; Prof. Dr. Seung Hyup KIM, Seoul National University Hospital, Seoul, Korea; Emeritus Professor Dr. Ng Kwan Hoong, FASc, Academy of Sciences Malaysia (ASM); and Dr. Shazia Fatima, DG NM&O (PAEC), Director General, Nuclear Medicine & Oncology, PAEC HQ, Islamabad, Pakistan, also graced the event with their participation.

In total, 28 lectures were presented by eminent local and foreign speakers in Five (5) Technical Sessions of this Symposium. Over 150 scientists, academicians, scholars, medical doctors, industrialists, and policymakers from various institutes of Pakistan attended the event physically and or virtually. The local invited speakers, academicians, and participants of this conference included those from Pakistan Atomic Energy Commission (PAEC), Health Services Academy (HAS), Pakistan Institute of Nuclear Science and Technology (PINSTECH), Institute of Radiotherapy and Nuclear Medicine (IRNUM), Nuclear Medicine, Oncology and Radiotherapy Institute (NORI), Institute Of Nuclear Medicine & Oncology (INMOL), National Institute of Lasers and Optronics (NILOP), Centre For Nuclear Medicine (CENUM), Pakistan Nuclear Regulatory Authority (PNRA), Quaid-i-Azam University, Islamabad; National University of Science & Technology (NUST), Government College University, Lahore; and others.

During the concluding session, Prof. Dr. Kauser Abdulla Malik, Prof. Dr. M. Aslam Baig, and Prof. Dr. Ahmet Nuri Yurdusev, Dr. Abul Kalam Azad Chowdhury, Dr. Shazia Fatima, and Dr. Shaukat Hameed Khan, addressed and thanked all the invited speakers and participants. While addressing in the concluding session, Prof. Dr. Ahmet Nuri Yurdusev highlighted the several benefits of this

symposium, such as: Application of Radiation Techniques for the Betterment of Health (Principles & Latest Developments); Application of Radiation Techniques for the Betterment of Environment (Principles & Latest Developments for air, soil and water pollution monitoring studies, waste treatment & management, etc.); Guidelines on Safe Use of Radiation Techniques.

Participation of the Secretary General PAS in 4th ANSO General Conference on “Science & Innovation for a Sustainable Future” in Beijing, China (October 28-29, 2025)

Prof. Dr. M. Aslam Baig participated in the 4th ANSO General Assembly Conference, themed “Science & Innovation for a Sustainable Future,” held in Beijing, China, from October 28-29, 2025. It brought together around 300 leading scientists, academic leaders, postdocs, post-graduate students and relevant stakeholders from over 50 countries and regions, along with delegates from more than 50 ANSO member

organizations, including those representing 7 international organizations. The Conference aimed to promote international collaboration in science, technology, and innovation for advancing global sustainability. And to bring together researchers, academic leaders, and stakeholders to share insights, strengthen networks, and develop strategies for a sustainable future.



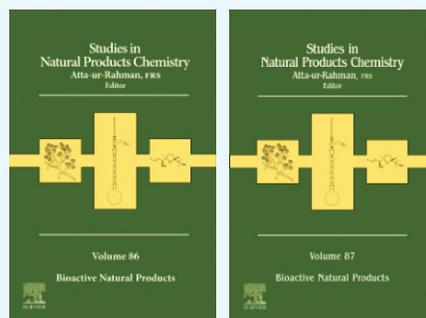
Prof. Atta-ur-Rahman (Fellow, Pakistan Academy of Sciences) Elected Honorary Academician of the Asian Academy of Sciences

The Asian Academy of Sciences (AAS), Hong Kong, has elected Pakistan's eminent scientist Prof. Atta-ur-Rahman as an Honorary Academician, recognizing his outstanding contributions to global science and education. The announcement was made by AAS President Prof. Dr. Elchin Khalilov. Prof. Rahman will be formally inducted during the AAS General Assembly on November 22, 2025, and will receive the Academy's highest honor — the Golden Breast Insignia — at a ceremonial session in China

in March 2026. Widely regarded as Pakistan's most decorated scientist, Prof. Rahman has received top national civil awards and prestigious international distinctions, including Fellowship of the Royal Society (London), the UNESCO Science Prize, and China's International Science and Technology Cooperation Award. Multiple research centers in China, Malaysia, and Pakistan have been named in his honor.

Elsevier Publishes Books of Prof. Atta-ur-Rahman (Fellow, Pakistan Academy of Sciences)

Two volumes of “Studies on Natural Product Chemistry” have been published by Elsevier Science Publishers (Volumes 86 and 87) edited by Prof Atta-ur-Rahman, FRS. The series was initiated under the editorship of Prof. Atta-ur Rahman, FRS about thirty years ago and now has become the most comprehensive encyclopedic series of the world in the field of natural products. It covers the chemistry and biological activities of natural products derived from terrestrial and marine organisms.



Tribute to the Renowned Pakistani Particle Physicist Prof. Dr. Riazuddin (Fellow, Pakistan Academy of Sciences)

The Pakistan Nuclear Society (PNS) in collaboration with Pakistan Academy of Sciences (PAS) organized “Tribute to the Renowned Pakistani Particle Physicist Prof. Dr. Riazuddin” on Tuesday, September 09, 2025, at the Auditorium of the Academy (3 Constitution Avenue, Sector G-5/2, Islamabad). Senior scientists and academicians, especially those who had worked with Dr. Riazuddin were invited by the PNS to share their views during the subject discourse.



Prof. Dr. Aamer Saeed Bhatti (Fellow PAS) won the Best Performance of the Year Award by the Chemical Society of Pakistan

Prof. Dr. Aamer Saeed Bhatti, FRSC, Tamgha-e-Imtiaz (GOP), Fellow Royal Society of Chemistry FRSC (UK), and Fellow Pakistan Academy of Sciences (PAS) got Best Performance of the year Award (Highest Impact Factor Award 2025), by Chemical Society of Pakistan. Prof. Bhatti is consistently in Global Top 2% Scientists ranking since 2021-2025 by Stanford/Elsevier.



Dr. Muhammad Farhan Ul Haque (Member, Pakistan Academy of Sciences, 2024) has been awarded the prestigious Gold Medal in Microbiology by the Applied Zoological Society of Pakistan (AZSP)

Dr. Muhammad Farhan Ul Haque (Member, Pakistan Academy of Sciences, elected in 2024) has been awarded the prestigious Gold Medal in Microbiology by the Applied Zoological Society of Pakistan (AZSP) at the 8th International Conference on Applied Zoology (ICAZ-2025), in recognition of his outstanding academic and scientific contributions to microbiology.



Dr. Mohammad Osman Yusuf (Fellow, Pakistan Academy of Sciences) awarded a Lifetime Achievement Award by the Pakistan Association of Pathologists at their 46th International Conference held at Lahore (October 10-12, 2025)

Dr. Mohammad Osman Yusuf began his career in Immunology at the National Institute of Health, Islamabad in 1987. He was one of the founders of the National AIDS Control Programme in 1988, and later established the Department of Allergy and Clinical Immunology at the Pakistan Institute of Medical Sciences (PIMS), Islamabad in 1993. Currently, Dr Osman is the Chief Consultant of the Allergy and Asthma Institute, Pakistan, since the last 30 years, as well as representing Pakistan on various international forums for allergy, asthma and Chronic respiratory Diseases. He is the Principal Investigator of several UK Government's National Institute of Health and Care Research's projects in the region on respiratory health, including chronic respiratory diseases (CRDs) and COVID. He has remained an advisor to WHO's GARD and also to the Ministries of Environment, Health and Interior, Government of Pakistan Dr Osman holds an MCPS in Pathology, an MSc in

Immunology, a PhD in Allergy, and is a Fellow of the Royal College of Physicians, London, UK and the American College of Allergy, Asthma and Immunology, USA. He is also a Fellow of the coveted Pakistan Academy of Sciences and the Royal Society of Medicine, UK. He has over 130 peer reviewed international publications to his credit with more than 32,000 citations, as well as several book chapters, articles and other publications.



Prof. Dr. Riffat Naseem Malik (TI) (Fellow PAS) and Prof. Dr. Shujaul Mulk Khan (Member PAS) were invited as the visiting Scientists in the University Northern, Kazakhstan

Prof. Dr. Riffat Naseem Malik (TI) (Professor of Environmental Sciences/Fellow PAS) and Prof. Dr. Shujaul Mulk Khan (Professor of Ecology/Member PAS) from Quaid-i-Azam University Islamabad Pakistan, were invited by the University of Kozybayev University, North Kazakhstan, as visiting professors to teach, and collaborate with the researchers including Faculty & Students. They arranged various workshops and seminars for the faculty, researchers and students on various topics. They met Rector of Kozybayev University Prof. Issakayev Yerbol Maratovich, the Pro-Rector, Vice rectors and the foreign professor and discussed various opportunities of students, teachers and technologies exchange programs among the Universities. They signed MoUs to collaborate in various projects as well as publications of good quality research work. Chairman of the Board - Rector Erbol Isakayev stressed the

importance of such international cooperation not only for Kozybayev University, but also for the entire northern region of the country. They also participated in the Republican expedition "National Value" arrived to the university. Kazakh ethnography and Zeinolla Sanik - 90 years", organized by the Union of Writers of Kazakhstan with the support of the Ministry of Culture and Information of the Republic of Kazakhstan. It consists of well-known ethnographers, culturalologists, writers and media representatives who have traveled from West Kazakhstan to South Kazakhstan, Turkestan, Kyzylorda, East Kazakhstan, Abai region and the city of Shymkent. And now the expedition has arrived in North Kazakhstan Region. They also organize a seminar for Arizona Dual degree program where almost all the students of the program participated in it and asked numbers of questions at the end of the talks.



7th International Symposium on Textile Mathematics and Textile Mechanics: A Milestone in Sino-Pakistan Academic Collaboration (August 1-3, 2025)

The 7th International Symposium on Textile Mathematics and Textile Mechanics was held in Hohhot from August 1-3, 2025. The event was co-hosted by Hohhot Minzu College and Yango University. This significant academic event, which was aligned with the mission of promoting international scientific cooperation, gathered over 120 scholars. It is noteworthy that undergraduate students from the host institutions presented academic reports that vividly highlighted the educational and research strengths of the organizing universities. The primary objective of the assembly was to examine innovative developments at the nexus of textile science, mathematics, and mechanics.

Hohhot Minzu College, a pivotal institution committed to ethnic education and applied research in Inner Mongolia, leveraged its strengths in interdisciplinary studies, particularly in mathematics and engineering, to drive discussions on regional textile challenges. Yango University, a preeminent private institution in Fujian Province with a focus on applied science and innovation, contributed its expertise in industrial applications, underscoring the vital role of private academia in fostering collaborative research.

Professor Tasawar Hayat, a Fellow of the Pakistan Academy of Sciences (PAS) and Secretary General of the Islamic World Academy of Sciences, delivered the

keynote address. He elaborated on PAS's dedication to cultivating international academic collaborations, emphasizing that joint efforts in textile mathematics and mechanics are critical for addressing Pakistan's industrial challenges, from improving production efficiency to enhancing material durability. His insights highlighted the symposium's alignment with PAS's goal of bridging scientific research and socioeconomic development.

Professor Ji-Huan He, a leading scholar from Yango University, presided over technical sessions focused on mathematical modeling in textile engineering. His contributions, combined with discussions on practical applications, reinforced the symposium's focus on translating academic findings into industrial solutions—a priority that aligns with PAS's recent emphasis on innovation and implementation.

The event concluded with a consensus to strengthen Sino-Pakistan collaboration through joint research and student exchange programs, including plans for a follow-up workshop in Pakistan. The symposium achieved two key outcomes: first, it showcased the synergies between Hohhot Minzu College and Yango University; second, it solidified the long-standing partnership between Chinese and Pakistani academic communities in advancing textile science for sustainable development.

