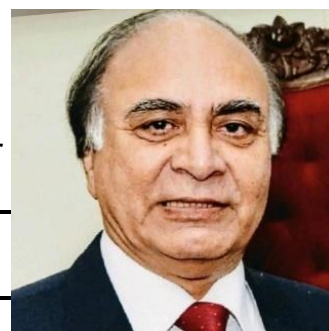


**Prof. Dr. Syed Javaid Khurshid**, Science Policy Expert,  
Science Communicator/Science Diplomat/Educationist/CBRN Expert  
Project Management/Motivational Speaker/Climate Change Educator  
& Activist

0000-0001-8974-7896

sjavaidk@gmail.com

Islamabad,  
Pakistan



## Summary of Resume

Professor Dr. Syed Javaid Khurshid comprehensive academic background includes a B.Sc. (Hons) in Organic Chemistry from the University of Karachi in 1972, an MSc. in Organic/Industrial Chemistry in 1973, M.S. in Biochemistry from Ball State University, USA, in 1977, and a Ph.D. Radiopharmaceuticals from the University of Punjab in 1993.

Prof. Javaid is a versatile professional and an expert. He is Coordinator, COMSTECH STI Policy Research and Innovation Centre (STIC). Consultant for Science Communication & Diplomacy at the OIC-Ministerial Committee on Science & Technological Cooperation (COMSTECH), Editor-in-chief, COMSTECH/MoFA *Journal of Science Communication & Diplomacy*, Coordinator of the Science Communication Advisory Committee, OIC-COMSTECH, reflects his global commitment to advancing scientific cooperation. He brings a wealth of experience in science communication, diplomacy, and strategic studies.

Dr. Khurshid serves as an advisor to various think tanks on nuclear and strategic affairs. As Director of Biosciences, he oversaw the regulation and implementation of Science, Technology, and Innovation (STI) policy across 24 institutes of the Pakistan Atomic Energy Commission (PAEC) specializing in Nuclear Medicine, Agriculture, and Biotechnology. His portfolio included the development, implementation, and mitigation of Chemical, Biological, Nuclear, and Radiological Weapons (CBNW), alongside promoting the application of nuclear technology and energy for climate change mitigation and the pursuit of Net Zero emissions through green energy sources such as nuclear power and hydrogen. He is also a distinguished technical and motivational speaker on these subjects.

Dr. Khurshid actively engages in national and international forums, notably participating in the Inter-Ministerial Committees on the Biological Weapons Convention (BWC) and the Chemical Weapons Convention (CWC). He is the Founder and a Member of the Friends of ICTP in Trieste, Italy, and currently serves as the Secretary of the National Environmental Management System (NEMS) for IIASA, Vienna – a globally renowned institute for climate mapping. He has also held the position of President of the Pakistan Nuclear Society.

His academic endeavors include serving as a visiting professor at the Strategic Studies Department of the National Defence University (NDU), Islamabad, and the International Center for Chemical and Biological Sciences (ICCBS), Karachi, highlighting his scholarly expertise. Dr. Khurshid is a Technical Committee Member of the Higher Education Commission (HEC)-Ministry of Foreign Affairs (MoFA) Internal Compliance Committee on UNSCR 1540 for Academic Institutions, as well as of the Inter-Ministerial Committee on the BWC.

He sits on the Advisory Board of Global Affairs magazine and serves as Associate Editor of Pioneering Medical Sciences (USA). He is also a member of the editorial boards for CISS Insight Journal, Journal of Security and Strategic Analysis, Asian Journal of Current Research, and the Journal of Bio-terrorism and Bio-defense (USA). His specialized skills extend to Infrastructure Project Development and Management, having received professional training from prestigious institutions such as the International Atomic Energy Agency (IAEA), the World Health Organization (WHO), and the Planning Commission of Pakistan. Dr. Khurshid has contributed significantly to national committees on STI policy, particularly in the areas of health, nutrition, and energy planning during Pakistan's Five-Year Plan (2013-2018).

In the scientific domain, his impactful research spans climate change, health, and weapons of mass destruction (WMD)-related topics. He has Google Scholar Index of 623 and Research Gate Index 260.

Objective

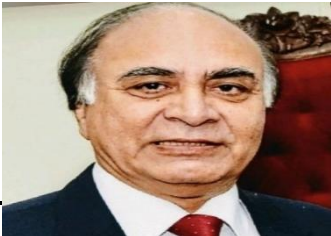
As a multifaceted professional, he continually seeks to assume a strategic role as a Science Policy expert, Science Communicator, and Science Diplomat, wherein he may adeptly harness his scientific acumen to advance initiatives in science, climate change, health, and agriculture. Drawing upon four decades of distinguished service within the Pakistan Atomic Energy Commission (PAEC), where he expertly managed science policy across 24 institutes, he aspires to contribute as an STI Policy Coordinator, Consultant in Science Communication and Diplomacy at OIC- COMSTECH, and Visiting Professor at the National Defence University.

In these capacities, he is poised to apply his extensive expertise in policy making to propel progress in critical domains such as Climate Change, Green Energy, Nuclear Technology, Emerging Technologies, Science Communication, and Strategic Studies.

Prof. Dr. Syed Javaid Khurshid, Science Policy Expert

Science Communicator/ Science Diplomat/Educationist/CBRN Expert

Project Management/Motivational Speaker/Climate Educator & Activist



Address

Coordinator, STI Policy Research Centre (STIC), and Consultant Science Communication & Diplomacy, COMSTECH Secretariat, 33-Constitution Avenue, G-5/2,Islamabad, 92 51 9220681-33, <http://www.comstech.org>

1) 49-A Vernon Avenue, Clontarf, Dublin-3 D03 X3 W8, Dublin, Ireland

2) House No 87, St 8, Sector J, DHA-2, Islamabad, Pakistan

Education

Doctor of Philosophy

Radioactive Materials and Radioisotopes

Studies of Novel Radiopharmaceuticals - Schiff Base Transition Metal Complexes, 1993

Key Skills

Science Policy & Research

Project Management

Strategic Planning, NKM

SDGs-climate change

Science Communication& Diplomacy

Weapons Mass Destructions-CWC/BWC

Academic Research

Green Energy

Consultant Science Communication & Diplomacy, COMSTECH

Editor-in-Chief

COMSTECH/MoFA Journal of Science Communication & Diplomacy

Technical/Motivational Speaker

Peaceful Uses of Nuclear technology & WMDs-CWC/BWC

Climate Change- Net Zero Emission

Visiting Professor National Defense University, Islamabad

Senior Research Fellow

Nuclear Knowledge Management, Peaceful Uses of Nuclear Technology, Nuclear & Bio-diplomacy, WMD-CWC/BWC

Advisor/Consultant PAEC

Planning & Nuclear Knowledge Management, Chairman Secretariat, Pakistan Atomic Energy Commission, Isl

Adjunct Faculty Member

Projects and Nuclear Knowledge Management, PIEAS

Visiting Professor,

Nuclear Technology, Strategic Studies Department, National Defense University, Islamabad, Pakistan

HEC Approved Ph.D. Supervisor

Biochemistry, Higher Education Commission, Islamabad.

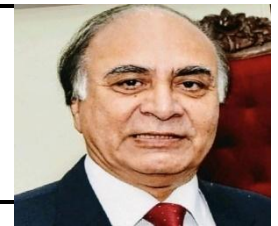
## Experience

He brings a wealth of experience in Science policy, communication, diplomacy, and strategic studies. My roles as a Consultant for Science Communication & Diplomacy at OIC COMSTECH, Editor-in-Chief of the COMSTECH/MoFA Journal of Science Communication & Diplomacy, and Coordinator of the Science Communication Advisory Board reflect my commitment to advancing scientific cooperation globally. Serving as a Technical/motivational speaker on communicating facts His academic contributions include being a visiting professor at the Strategic Studies Department of the National Defense University, Islamabad, and the International Center of Chemical & Biological Science, HEJ, Karachi. Emphasizing his diverse expertise, his honorary consultant role at GIMS/PSAQSJ Institute of Medical Sciences highlights his commitment to various domains. Additionally, he has played crucial roles as Convener of the CISS Outreach Program, Founder Member of Friends of ICTP, Secretary of the National Member Organization at Pak-IIASA Luxemburg, and served on committees related to nuclear technology, diplomacy, and institutional performance. My impact extends as a Visiting Professor at the International Islamic University Bioinformatics & Biotechnology Department.

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**Prof. Dr. Syed Javaid Khurshid, Science Policy Expert**  
*Science Communicator/ Science Diplomat/Educationist/CBRN Expert*  
*Project Management/Motivational Speaker/Climate Educator & Activist*

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## Planning & Development

**Energy:** The total portfolio showcases a comprehensive approach to infrastructure development and strategic planning in the nuclear energy domain. He has successfully prepared, obtained approval for, coordinated, and evaluated a diverse range of projects in the Energy Sector, demonstrating expertise in project management. These projects include the Acquisition of Land Development for the Nuclear Power Plant Project Site in Muzaffargarh (Rs. 1679 million), the Karachi Coastal Power Project (K-1 & K-2) (Rs. 958 billion), the CHASHMA Nuclear Power Projects (C-3/ C-4) (Rs. 89918 million), and several others aimed at land acquisition, development, and detailed studies for nuclear power plants at various locations. COP-29 defined nuclear energy as green energy & one of the best solutions to mitigate Climate Change.

**Science & Technology:** Successfully managing a diverse portfolio of projects in the Science & Technology sector, He facilitated the preparation, approval, coordination, monitoring, and evaluation. Notable projects include the establishment of Plasma Research & Applications Laboratories, collaboration with CERN for the Development of High Energy Physics, and the creation of the Probiotic Laboratory. Additionally, key contributions were made to projects such as the establishment of the Projects Monitoring and Evaluation Cell (PMEC) and the International Center for Theoretical Physics. Other significant initiatives encompassed research and fabrication of Quantum Devices, the establishment of the National Institute of Lasers and Optronics, and projects related to medical advancements, genetic disease prevention, and non-destructive evaluation of concrete structures. The successful implementation of these projects amounted to substantial financial allocations, contributing significantly to the advancement of science and technology in various domains.

**Health:** I successfully prepared, obtained approval for, and managed the coordination, monitoring, and evaluation of various projects in the health sector. These initiatives included significant upgrades and expansions of nuclear medicine and radiotherapy facilities across Pakistan, such as the establishment of nine new cancer hospitals, the Up-gradation of NORI in Islamabad, Gujranwala Institute of Nuclear Medicine & Radiotherapy, and the Nuclear Institute for Food & Agriculture in Peshawar. Notable projects also involved the enhancement of diagnostic and therapeutic facilities at INMOL, and the installation of advanced medical equipment, including PET-CT and Cyclotron technology. These projects collectively aimed at strengthening and expanding the healthcare infrastructure, particularly in the field of nuclear medicine and oncology, with a total budget reaching millions.

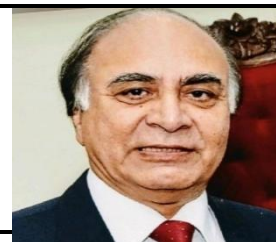
## Editorial/ Scientific Activities

He has been involved in editorial and scientific activities in his extensive career, contributing his expertise to various esteemed journals and organizations. Since 2021, he has been proudly serving as a member of the editorial board for the "Journal of Bioterrorism & Biodefense" in the USA. His commitment to advancing strategic studies is reflected in his role as a member of the editorial board for the "Journal of Security & Strategic Analyses" at the Strategic Vision Institute in Islamabad since 2020 and for the "INSIGHT CISS Journal" in Islamabad since 2018. His association as an associate editor for the "Journal of Pioneering Medical Sciences" at Johns Hopkins University since 2015 speaks about his dedication to medical research. Alongside his editorial contributions, he held leadership roles, such as serving as the President of the Pakistan Nuclear Society from 2015-2018 and earning the distinction of being a fellow of the Chemical Society of Pakistan since 2011. His active engagement in various scientific societies, committees, and conferences underscores his passion for the advancement of science and research such as Chairperson of International Board of Advance Research of RESEARCH MINDS, Pakistan

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**Prof. Dr. Syed Javaid Khurshid, Science Policy Expert**  
*Science Communicator/ Science Diplomat/Educationist/CBRN Expert*  
*Project Management/Motivational Speaker/Climate Educator & Activist*

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## Member Scientific/ Academic Societies

He is a member of various prestigious scientific and academic societies, reflecting his extensive engagement in the field. Since 2001, He has been a member of the Pakistan Pharmacological Academy, associated with the Faculty of Pharmacy at the University of Karachi. Additionally, he has held membership in The New York Academy of Sciences since 2000. His significant roles include being the President, Fellow, and Life Member of the Pakistan Nuclear Society, Fellow and Life Member of the Chemical Society of Pakistan. Furthermore, he proudly serves as a Life Member and in charge of Human Resource Development at the Pakistan Biosafety Association, Agha Khan Hospital in Karachi. He is also a Life Member of the Pakistan Pharmacological Society since 2001 and the Institute of Chemists since 1989, affiliated with the University of Karachi and the Institute of Chemistry in Lahore.

## Awards and Honor

He has received notable recognition for his contributions to the scientific community. Served as the President of the Pakistan Nuclear Society 2016-2018, He proud to be recognized as a Fellow of the society. Additionally, a Fellow of the Chemical Society of Pakistan since 2011. His dedication to the field is further evident long standing in the Pakistan Pharmacological Academy since 2001. His impact on a global scale is underscored by his inclusion in prestigious editions such as "Outstanding Intellectuals of The 21st Century," "International Scientist of the Year," and "Outstanding Scientists World Wide-2000." Furthermore, his listings in renowned publications like Marquis WHO'S WHO and the International Dictionary of Distinguished Leadership emphasize his influential presence in both the scientific and professional arenas.

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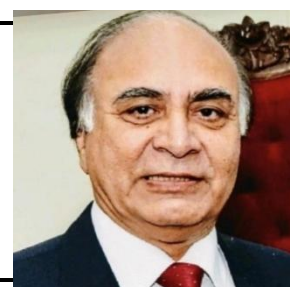


He made significant contributions to the field of arms control and nuclear technology through a series of monographs. Currently, he is in the final stages of writing his latest work, "Atoms of Ambition: Unveiling Pakistan's Nuclear Narrative." In May 2021, he edited "Chemical Weapon Convention; Past, Present, and Future," the fourth installment in the WMD Series, which carries the ISBN No 978-969-23235-7-4/2021. Preceding this, he edited "Biological Weapon Convention; Past, Present & Future" in February 2021 (ISBN No 978-969-23235-6-7/2021), and "Biological Weapon Convention; Implementation & Challenges" in September 2018 (ISBN 978-969-4-3/2018). His earlier work includes the inaugural volume in the WMD Series, "Chemical Weapon Convention; Implementation & Challenges," released in May 2018 (ISBN: 978-969-23235-3-6/2018). During the last year he has written monographs on the *importance of Science Communication in Agriculture for OIC-Member states*, *Effective Science Communication for Climate Change In OIC Countries*.

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**Prof. Dr. Syed Javaid Khurshid, Science Policy Expert  
Science Communicator/ Science Diplomat/Educationist/CBRN  
Expert Project Management/Motivational Speaker/Climate  
Educator & Activist**

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#### Publications

The publications reflect his diverse contributions to various fields. Covering topics ranging from emerging infectious diseases like Monkey pox, and COVID-19, the impact of new and emerging technologies from a science diplomacy perspective, His work is featured in prestigious journals and conferences globally. Notable publications include monographs like "Chemical Weapon Convention; Past, Present, and Future." His research delves into bio-diplomacy, the strengthening of the Biological Weapons Convention, and nuclear energy, providing valuable insights and perspectives. The publications demonstrate a commitment to advancing knowledge in areas critical to global security, and climate change. The publication record includes 85 papers with a notable impact factor (IF 250) and 623 Google scholar citations. Finalization of a book is in progress, while four monographs focusing on Biological and Chemical Weapons Conventions (BWC and CWC) have been completed. Additionally, there are eight international proceedings, 30 articles in newspapers/magazines, and 16 scientific reports. With this wealth of knowledge, above 200 invited lectures have been delivered, and 15 international colleges have been organized under the role of Executive Secretary. Further, a significant contribution to seminars is evident, with 35 international/national seminars organized and participation in 280 seminars attended. On 25<sup>th</sup> Sept, I am speaking on Nuclear Energy the only solution to SDG-13 Climate change.(annexure-II)

I have actively participated in several international proceedings, presenting on diverse topics related to nuclear technology and knowledge management. Notable presentations include "HRD Development for Nuclear Power Projects" in Guongju, South Korea, in May 2018, and "Nuclear Knowledge Management - Pakistan's Scenario" at the 3rd IAEA Nuclear Management Conference in Vienna, Austria, in November 2016. I also contributed to discussions on the "Code of Conduct for Scientists" at the BTWC Expert Committee Meeting in Geneva, Switzerland, in June 2005. Additionally, my insights into "Food Irradiation - Country Status of Pakistan"

were presented at various International Consultative Group on Food Irradiation (ICGFI) meetings in Vienna, Austria, and Rome, Italy, in 2002 and 2001 respectively.

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**Specialized/  
Invited  
Lectures**

In the last 10 years, I have delivered over 200 specialized invited lectures at postgraduate courses, seminars, conferences, and workshops, focusing on Nuclear Knowledge Management, nuclear energy, & the challenges in implementation of the Biological & Chemical Weapons Conventions (BWC & CWC). Some notable lectures include discussions on communicating facts about climate change at the COMSTECH/MoFA International Conference on Science Communication & Community Engagement in February 2023, addressing climate change and net-zero emission concerning nuclear power at SASSI, in February 2022, and presenting on emerging technologies & Nano-technological developments at the 6th. International Conference on Nanomaterials Modelling & Simulations in December 2021. Other topics covered include Agri-biotech for climate change mitigation

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**DETAILED CV ATTACHED**

## CURRICULUM VITAE

**NAME:**

**FATHER'S NAME:**

**D/PLACE OF BIRTH:**

**NATIONALITY:**

**HOME ADDRESS:**

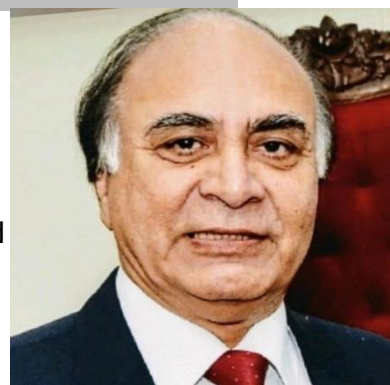
**PROFESSOR DR. SYED JAVAID KHURSHID**

Syed Khurshid Hassan

February 08, 1951, Karachi, Pakistan

Pakistani

- 1) 49-A Vernon Avenue, Clontarf, Dublin-3, D03 X3 W8, Dublin, Ireland
- 2) HNo87, St 8, Sector J, DHA-II, Islamabad  
+92-51-2311669 +92-314-5106666  
Email: [sjavaidk@gmail.com](mailto:sjavaidk@gmail.com),



**PRESENT ENGAGEMENTS:**

**COORDINATOR**

**COMSTECH STI Policy Research Training Centre,**

Organization of Islamic Countries(OIC),  
Ministerial Standing Committee on Scientific  
and Technological Cooperation (COMSTECH),

**CONSULTANT**

Science Communication & Diplomacy  
Organization of Islamic Countries(OIC),  
Ministerial Standing Committee on Scientific  
and Technological Cooperation (COMSTECH),

**EDITOR-IN-CHIEF,**

*Journal of Science Communication & Diplomacy*

COMSTECH/MoFA Islamabad.

Chairperson, International Board of Collaborative Research  
Research Minds, Karachi, Pakistan

**Coordinator, Science Communication Advisory Committee (SCAC)**

Organization of Islamic Countries (OIC), Ministerial Standing  
Committee on Scientific and Technological Cooperation  
(COMSTECH) Islamabad

**Consultant Project, IRP/GCISC, 2024**

Operationalization of Monitoring, Reporting, &  
Verification (MRV) Platform on Climate Change Data  
Aggregation in Pakistan,

**Technical/Motivation Speaker**

Peaceful Uses of Nuclear Technology & WMDs-CWC/BWC

**Visiting Professor**

Strategic Studies Dept., National Defense University, Islamabad

**Visiting Professor**

International Center of Chemical & Biological Science, HEJ, Karachi

**Honorary Consultant (Medical & Radiation Technology) 2021.**

GIMS/PSAQSJ Institute of Medical Sciences, GAMBIT, Pakistan

**Convener, CISS Outreach Program 2019-2021**

Nuclear Technology, Nuclear Diplomacy CWC/BWC  
Centre for International Strategic Studies,

**Founder Member of Friends of ICTP 2016**

Convener, Friends of ICTP-Pakistan, 2019

**Member Committee SECDIV-HEC 2016-2021**

Internal Compliance Program - Resolution 1540  
Ministry of Foreign Affairs, Pakistan.

**Member, 2002-up till now**  
Inter-Ministerial Committee on BTWC, MoFA, Pakistan.

**Member**, Institutional Performance Committee, 2019-2020  
Islamia College University, Peshawar

**Visiting Professor**,  
Bioinformatics & Biotechnology Department (since 2017) International  
Islamic University, H-11, Islamabad

## **EDUCATION:**

**Ph.D.** Radiopharmaceuticals & Radioactive Materials, 1993,  
Studies of Novel Radioactive Schiff Base Transition Metal Complexes  
University of the Punjab, Lahore.

**M.S** Organic/Biochemistry (1974-77)  
Ball State University, Muncie, Indiana, USA Radioactive

**M.Sc.** Organic/Industrial Chemistry, 1973  
Department of Chemistry, University of Karachi, Pakistan

**B.Sc. (Hons)** Chemistry, 1972,  
Department of Chemistry, University of Karachi, Pakistan

## **SPECIAL TRAINING**

**Project Management:** Training Workshop on “**Growth Strategy of Pakistan**, Sept 19-23, 2011,  
Pakistan Planning & Management Institute,  
Planning & Development Division, Government of Pakistan.

Training Workshop on “**Evidence-Based Action Planning & Project Planning Tools**”, June 7-9, 2011, Pakistan Planning & Management Institute, Planning & Development Division, Government of Pakistan

Technical Workshop on **Introduction of Nuclear Power Program Management & Evaluation of National Infrastructure**”, 7-11<sup>th</sup> Feb 2011, Energy Planning Wing, International Atomic Energy Agency (IAEA), Vienna,

Training Workshop “**Technical Cooperation Projects Design Workshop for Asia & Pacific**, Jan 30-Feb 4, 2011, Technical Cooperation Wing, International Atomic Energy Agency (IAEA), Vienna, Austria

Training Course “**Process Reengineering - Change Management**”, December 7-9, 2010, Pakistan Planning & Management Institute Planning & Development Division, Government of Pakistan.

Training Course “**Sectorial Issues - Water and Energy**”, Nov 24-26, 2010, Pakistan Planning & Management Institute Planning & Development Division, Government of Pakistan.

Training Course “**Preparation of Work/Cash Plan**”, March 29-30, 2010, Pakistan Planning & Management Institute Planning & Development Division, Government of Pakistan.

Training Course “**Financial/Economic Analysis of Projects**” March 8-13, 2010, Pakistan Planning & Management Institute Planning & Development Division, Government of Pakistan

Technical Workshop “**Infrastructure Development of Nuclear Power Projects**” Feb 9-12, 2010, Energy Planning Wing, International Atomic Energy Agency (IAEA), Vienna, Austria

Training Course “**Macroeconomic Planning & Management**” Feb 6-7, 2010, Pakistan Planning & Management Institute Planning & Development Division, Government of Pakistan.

Training Course “**Project Cycle Management**”, Jan 11-21, 2010, Pakistan Planning & Management Institute Planning & Development Division, Government of Pakistan.



Training Course “**Project Implementation & Governance**” Jan 4-5, 2010, Pakistan Planning & Management Institute. Planning & Development Division, Government of Pakistan.

Training “**Project Monitoring & Evaluation System Software**” Nov14-15, 2009, Project Evaluation Wing, Planning & Development Division, Government of Pakistan.

Training Course on “**Sustainable Project Cycle Management**” April 17-29, 2006, Pakistan Planning & Management Institute, P&D Division & University of Manchester, Government of Pakistan.

Training Course on “**Project Management Implementation**” 3-7 Feb, 2005, Pakistan Planning & Management Institute, Planning & Development Division, Government of Pakistan.

UNDP/ IAEA/ RCA Training Course on “**Industrial Sterilization - Quality Control**”, Sept.17-28, 1990, Bombay, India.

UNDP/IAEA/RCA Training Course on “**Industrial Radiation Sterilization of Medical Products, Quality Control, and Quality Assurance**”, 5-16 October 1987, Bangkok, Thailand.

IAEA/RCA Workshop on “**Quality Assurance of Nuclear Medicine Instruments**”, 9-13 July 1982, Bangkok, Thailand.

## **PAST EXPERIENCE**

**Administrative:** Senior Research Fellow, 2017-2022,  
Knowledge Management - Peaceful Uses of Nuclear Technology,  
Nuclear & Bio diplomacy, WMD-CWC/BWC

**Advisor/Consultant Chairman PAEC, 2015-2017**  
Planning & Nuclear Knowledge Management, Chairman Secretariat,  
Pakistan Atomic Energy Commission, P.O. 1114, Islamabad, Pakistan

**Director-General, 2007-2015,**  
**Planning & Projects Coordination & Focal Person PAEC-PSDP Projects.**  
Chairman Secretariat,  
Pakistan Atomic Energy Commission, P.O. 1114, Islamabad, Pakistan

**Director, Project Monitoring & Evaluation Cell 2009-2014**  
**PSDP Project for Development of M & E Facilities**  
PAEC, HQ, P.O. 1114, Islamabad, Pakistan.

**Executive Secretary, 2006-2016**  
**Abdu’s Salam International Nathiagali Summer College**  
**Nuclear Technology & Nuclear Knowledge Management**  
PAEC, P.O. Box 1114, Islamabad,

**Coordinator, 2006-2008**  
**PAEC Environmental Studies Coordination Cell**  
P. O. Box 1114, Islamabad, Pakistan.

**Technical Committee Member, 2011-2014**  
HEC Department Development Working Party (DDWP),  
HEC, Islamabad.

**Member, Research Grant Evaluation Committee, 2013-15**  
Higher Education Commission, Islamabad

**Advisor, 2011-2015**  
Committee on Biochemistry, Nuclear Medicine, Biosafety & Biosecurity,  
Pakistan Nuclear Regulatory Authority (PNRA), Islamabad

**Member Committee, 2014**  
Ministry of National Health Services Regulation & Coordination,  
Islamabad

**Coordinator**, Academic Coordination Department (Feb-July 2009)  
National Centre for Physics, QAU Campus, Islamabad

**Chief Coordinator**, 2003-2006  
Farmers Participatory Saline Agriculture Project (Rs.177m)

**Project Director**, 2004-2006,  
Mobile Breast Cancer Clinics (Rs 198.00 million)

**Director Biosciences**, 1999- 2005  
PAEC, P.O. Box No. 1114, Islamabad, Pakistan  
**National Coordinator**, IAEA/TC-Project, **Project Director**  
QC/QA Nuclear Medicine Instrument 13 PAEC NM Institutes (200m)

**Project Director**, 2002-2004,  
Development of Breast Cancer Clinics-Phase-I", (Rs.159 million)"

**Head Biosciences**, March 1996 -Dec 1999  
PAEC HQ, P.O. Box No. 1114, Islamabad

**Incharge/Principal Scientific Officer**, 1991 - 1998,  
Biological Quality Control of Radiopharmaceuticals, Nuclear Chemistry  
Division, PINSTECH, Nilore, Islamabad, Pakistan

**A) Teaching:**

**Adjunct Faculty Member**, 2006-2015  
Projects and Nuclear Knowledge Management  
Department of Communication and Management  
Pakistan Institute of Engineering & Applied Sciences, Nilore, Islamabad.

**Visiting Professor**, since 2008  
Drug Discovery& Development, Faculty of Bioinformatics  
Muhammad Ali Jinnah University (MAJU), Islamabad

**HEC approved Ph.D. supervisor**, 2006  
Biochemistry, Higher Education Commission, Islamabad

**Faculty Member** of Postgraduate Course, 1990-2006  
"The Use of Nuclear and Other Techniques in Food and Agriculture",  
National Institute of Food and Agriculture (NIFA), Peshawar,

**Visiting Faculty Member**, since 2005  
Biomedical Engineering Department University of Health Sciences, Lahore

**Adjunct Faculty Member**, Biochemistry, since 2004  
National Institute for Biotechnology & Genetic Engineering (NIBGE),  
Faisalabad

**Faculty Member**, M. S. Nuclear Medicine Course, 1987-1999  
Pakistan Institute of Eng. & Applied Sciences (PIEAS), PINSTECH, Islamabad

**Teaching Assistant**, 1974-1977  
Chemistry Department, Ball State University, Muncie Indiana, USA

**Teaching Assistant**, 1973-1974  
Applied Chemistry Department, University of Karachi, Karachi-32,

**C) Planning & Development: Detail in (Annexure-I)**

1. **Director Projects Coordination 2008-2015** - Responsible for preparation, approval, implementation, monitoring & evaluation of all PAEC Projects.
  - a. PAEC Focal Person of about 100 Classified Projects
  - b. PAEC Focal Person of about 34 PSDP Projects
  - c. About 66 Research Projects of S&T, PSF, PARC, IRRI & IAEA
2. **Director Project Monitoring & Evaluation Cell, PAEC, 2010-14**

**D) Editorial/Scientific Activities:**

**Member Editorial Board since 2021**  
Journal of Bioterrorism & Biodefense, USA

**Member Editorial Board, since 2020,**Journal of Security & Strategic Analyses,  
Strategic Vision Institute, Isld

**Member Editorial Board 2018**

INSIGHT CISS Journal of CISS, Islamabad

**Associate Editor, since 2015,**

Journal of Pioneering Medical Sciences, John Hopkins University, USA,

[Editor.jpms@gmail.com](mailto:Editor.jpms@gmail.com)

**Member Advisory Council, 2016**

**Global Affairs”** International Magazine Covers 20 countries, Islamabad,

([www.globalaffairs.com.pk](http://www.globalaffairs.com.pk))

**President, Pakistan Nuclear Society 2016-2018**

G-8/3, Hanna Road, Islamabad

**Fellow, Chemical Society of Pakistan, since 2011**

Chemistry Department, Quaid-e-Azam University, Islamabad

**Member of Human Resource Development, Since 2008**

Pakistan Biological Society, Agha Khan University, Karachi

**Technical Expert, from 2003 to 2016**

Inter-ministerial Committee on Biological Weapon Convention”,

Ministry of Foreign Affairs, GOP, Islamabad, Pakistan

**Member, Coordination Committee, 2004-2006**

National Commission on Biotechnology, PCST, Islamabad.

**Member, Global Cancer Community, since 2001**

International Union against Cancer (UICC) Geneva, Switzerland

**Coordinator, 2001-2006**

Capacity Strengthening in Nutrition in Asia (CASANA) Asia Task  
Force, Islamabad, Pakistan

**Joint Editor, Salinity & Environment, 2001-2006,**

Quarterly Newsletter “Saline Agriculture Farmer Participatory  
Development Project, PAEC, Islamabad

**Member, 2004-2006**

National Core Group in Life Sciences HEC, Islamabad.

**National Coordinator, 2003-2006,**

Pakistan Nuclear Medicine Society, 1114, Islamabad, Pakistan

**National Coordinator, 2003-2006**

Cancer Society of Pakistan, P. O. Box 1114, Islamabad, Pakistan

**Activity Coordinator, 2003**

WHO/CEHA Seminar on Food Irradiation & Imported Food,  
Inspection system & Practices, Dec 2-4, 2003, NIH, Islamabad,

**National Coordinator, 2003**

WHO Conference on Cervical Cancer - Prevention & Control,  
20-22 October 2003, Islamabad, Pakistan.

**Member, National Biochemistry Curriculum Revision Committee,**

2002, Higher Education Commission, Islamabad

**Focal Point in Pakistan, (1999-2006)**

Union of International Cancer Control (UICC) Geneva, Switzerland

**Member Advisory Committee, 1999-2005** National Institute of

Biotechnology & Genetic Engineering, Faisalabad, Pakistan

**National Coordinator**

PAEC First Oncology Conference, 16-18 October 1998,

Multan, Pakistan

**Member**, Editorial Board, since 1995 Pakistan Journal of Pharmaceutical Sciences Faculty of Pharmacy, University of Karachi, Karachi

**Member**, Editorial Board, since 1995

Journal of Pharmacology,

Faculty of Pharmacy, University of Karachi, Karachi, Pakistan

**Council Member**, 1995,

International Study Group for Biochemical & Biophysical Research in Pakistan (ISBBP), Department of Biochemistry, University of Karachi,

**Referee**, "Journal of Pakistan Medical Association", 1994-1996

Pakistan Medical Association, Karachi. Pakistan.

**Member**, Officiating Chairman, (1992-1995)

Biological & Physico-chemical Standard Committee,

Weights and Measures Divisional Council, PSI, Karachi, Pakistan

**Referee**, 1990-92 "Journal of Science Technology & Development",

Pakistan Council of Science & Technology, Islamabad, Pakistan.

**Consultant**, 1985-90, **Development of Laboratories**

"Pakistan Radiation Services" (PARAS), Lahore, Pakistan.

## AWARDS AND HONOR

**President 2016-2018** Pakistan Nuclear Society, Islamabad

**Fellow**, Pakistan Nuclear Society, Islamabad. Since 2016

**Fellow**, Chemical Society of Pakistan, Since 2011.

**Member**, Pakistan Pharmacological Academy, Since 2001.

Member, 1998, Pakistani Group of Scientists,

Development of Pharmaceutical Industry, S&T Strategies for National

Development, OIC COMSTECH, Islamabad.

## PUBLICATIONS:

Books:

Monographs:

Papers:

International Proceedings:

Articles:

Reports:

Presentations/lectures:

Executive Secretary

Organized:

Seminar Attended:

Details mentioned as per (Annexure-III to X)

01 in Finalization

06 on BWC and CWC,

86 Publications (International/National) Annexure-III)

(IF 263, Google Scholar Citations 632)

08 Proceedings (Annexure-IV)

30 Articles in newspapers/ Magazines(Annexure-V)

16 Scientific reports (Annexure-VI)

90 Invited lectures (Annexure-VII)

15 International Colleges (Annexure-III)

35 International/National Seminars Colleges Annexure-IX)

280 International/National Seminars (Annexure-X)

## Member Scientific/Academic Societies

1. President, Fellow & Life Member, Pakistan Nuclear Society.  
Hanna Road, G-8/3, Islamabad
2. Fellow & Life Member, Chemical Society of Pakistan,  
Research Institute of Chemistry, Karachi, Pakistan.

**(Annexure-I)**  
**Project Planning & Development**

Projects prepared, got approved, Coordinated, monitored & Evaluated

**A. Energy Sector**

1. Acquisition of Land Development of some Basic Facilities and Detailed Studies of Nuclear Power Plant Project Site, Muzaffargarh (Rs. 1679 million)
2. Karachi Coastal Power Project (K-1 & K-2) (Rs. 958 billion)
3. Chashma Nuclear Power Projects (C-3/ C-4) (Rs. 89918 million)
4. Development of Project Team for Site Development & Installation of 2x300MWe & 1x1000 MWe NPPs Karachi (Rs. 364 million)
5. Acquisition/ Development of Land and Construction of Office Building and Accommodation of NP Supplier of KANNUP Unit-2 (K-2) Project (Rs. 1609 million)
6. Up-gradation of KINPOE Infrastructure Karachi (Rs. 434 million)
7. Up-gradation of CHASCENT- Kundian (Rs. 558 million)
8. Survey & Feasibility Study for Twin Units of Nuclear Power Plants (K-2 & K-3)
9. Chashma Nuclear Power Project (C-2), Mianwali (Rs. 51206 million)
10. Nuclear Desalination Demonstration Project (Rs. 291 million)
11. Joint Pre-Project Feasibility & Design Study of a 1000 MW Nuclear Power Plant for Karachi (Rs. 995 million)
12. Acquisition of Land Development of some Basic Facilities and Detailed Studies of Nuclear Power Plant Project Site, Swabi (Rs. 3000 million)
13. Acquisition of Land Development of some Basic Facilities and Detailed Studies of the Nuclear Power Plant Project Site, New Ghazi Brotha (Rs. 3000 million)
14. Acquisition of Land Development of some Basic Facilities and Detailed Studies of Nuclear Power Plant Project Site, Sukkur (Rs. 2350 million)
15. Acquisition of Land Development of some Basic Facilities and Detailed Studies of Nuclear Power Plant Project Site, Ahmedpur (Rs. 2169 million)
16. Acquisition of Land Development of some basic Facilities and Detailed Studies of Nuclear Power Plant Project Site, Qadirabad (Rs. 2949 million)

**B. Science & Technology Sector**

17. Plasma Research & Applications Laboratories (Rs. 718 million)
18. Development of High Energy Physics in Collaboration with CERN (Rs. 838m)
19. Development of Probiotic Laboratory (Rs. 128 million)
20. Establishment of Projects Monitoring and Evaluation Cell (PMEC) (Rs. 20 million)
21. International Center for Theoretical Physics (Rs. 30 million)
22. Research and Fabrication of Quantum Devices (Laser Diode) PINSTECH (Rs. 196 m)
23. Establishment of the National Institute of Lasers and Optronics (NILOP) (Rs. 735 million)
24. Development of advanced polymer materials (Rs. 181 million)
25. Production of Molybdenum-99 for Medical Use (Rs. 212 million)
26. Pediatric Hematological Malignancies Unit at INMOL (Rs. 34 million)
27. Pakistan IIASA Collaboration (Rs. 68 million)
28. Screening and Prevention of Genetic Diseases in Pakistani Population (Rs 25 m)



29. GEO-Microbial Prospecting of Pakistani Coals for Methane Production (Rs39 m)
30. Application of Biotechnology for Improvement of Health and Production in Livestock and Poultry (Rs. 53 million)
31. Up-gradation/ Extension of PINSTECH Labs (Phase-II) (Rs. 1748 million)
32. Centre for Earth Quake Studies (CES) (Rs. 146 million)
33. Cloning of Cellulose Gene(s) for Ethanol Production from Plant Biomass, NIBGE, Faisalabad (Rs. 66 million)
34. Enhancement of NCNDT Capacity for Non-Destructive Evaluation (NDE) of Concrete Structures (Rs. 90 million)
35. Engineering Design Organization EDO Phase-I (Rs. 362 million)
36. Up-gradation of NIA, Tandojam (Rs. 504 million)
37. Up-gradation & Strengthening of Nuclear Institute for Agriculture and Biology (NIAB), Faisalabad (Rs. 276 million)
38. New Mineral Survey Scheme (Phase-VI) Lahore (Rs.1085 million)
39. MPB-2 Shanawa Uranium Mining Project, Karak (Rs.3348 million)
40. MPS-3, Taunsa-2 ISL Uranium Mining Project, D.G Khan (Rs. 2387 million)
41. New Mineral Survey Scheme (NMSS) Phase-V, Lahore (Rs. 625 million)

## **C. Health Sector**

42. Up-gradation of NORI, Islamabad (Rs. 227 million)
43. Gujranwala Institute of Nuclear Medicine & Radiotherapy GINUM Phase-I
44. Up-gradation of Nuclear Institute for Food & Agriculture (NIFA) Peshawar (Rs 213 million)
45. Up-gradation of Atomic Energy Medical Centre, Karachi (Revised) (Rs. 602 million)
46. Up-gradation of Diagnostic and Therapeutic Facilities at INMOL (Rs. 378 million)
47. Benazirabad Institute of Nuclear Medicine & Radiotherapy (Rs. 770 million)
48. D.I. Khan Institute of Nuclear Medicine & Radiotherapy (Rs. 628 million)
49. Swat Institute of Nuclear Medicine & Radiotherapy (Rs. 705 million)
50. Nilore Complex Hospital, Islamabad (Rs. 40 million)
51. Installation of PET-CT and Cyclotron at INMOL (Rs. 439 million)
52. Digital Radiotherapy Simulator (NORI) (Rs. 49 million)
53. Bannu Institute of Nuclear Medicine & Radiotherapy (Rs. 740 million)
54. Up-gradation of CENAR Quetta (Rs. 823 million)
55. Equipment for Up-gradation of Radiotherapy Treatment Facilities at the Institute of Radiotherapy & Nuclear Medicine (IRNUM) (Rs. 297 million)
56. Upgradation of Larkana Institute of Nuclear Medicine & Radiotherapy (Rs.447m)
57. Extension of INOR, Abbottabad (Rs. 145 million)
58. Up-gradation of MINAR, Multan (Rs. 896 million)
59. Provision of Equipment for Nine PAEC Cancer Hospitals (Rs. 995 million)
60. Radiotherapy & Oncology Facilities (Phase-I), Mardan Institute of Nuclear Medicine Oncology & Radiotherapy (Rs. 410 million)
61. Development of Medical Application Linear Accelerator (MALA) (Rs. 769 million)
62. Institute of Nuclear Medicine Oncology and Radiotherapy, Gilgit (Rs. 2346 million)
63. Installation of PET-CT and Cyclotron at INMOL (Rs. 439 million)
64. Nilore Complex Hospital, Islamabad (Rs. 40 million)

## **Annexure-II**

### **Research Projects**

Co-supervised 5 Research MPhil Projects (1991-1999)

## **Annexure-III**

### **List of Books/ Monographs/Publications**

#### **Books:**

01. Dr. Syed Javaid Khurshid (editor): **Peaceful Uses of Nuclear Technology - Pakistan's Little Known Story** (Final draft Submitted To Printer), 2024.

#### **Monographs:**

06. Prof. Dr. Syed Javaid Khurshid Hina Ali Mustafa, & Muhammad Arif Goheer (editor): **Addressing Climate Change through Effective Science Communication in the OIC Member States**. SC&D SERIES-2, ISBN: 978-969-025-1 /2024.
05. Sayyed Paras Ali & Prof. Dr. Syed Javaid Khurshid (editor): **Importance of Science Communication in Agriculture-Enhancing Agriculture Impact in OIC Countries**, SC&D Series -1 ISBN:978-969-487-025-0/2024.
04. Dr. Syed Javaid Khurshid (editor): **Chemical Weapon Convention; Past, Present, and Future**. WMD Series-4. May 2021 ISBN No 978-969-23235-7- 4-/2021.
03. Dr. Syed Javaid Khurshid (editor): **Biological Weapon Convention; Past, Present & Future** WMD Series-3. Feb 2021, ISBN No 978-969-23235-6- 7/2021.
02. Dr. Syed Javaid Khurshid (editor). **Biological Weapon Convention; Implementation & Challenges**. WMD Series-2, Sept 19, 2018, Isld. ISBN 978-969- 4-3/2018.
01. Dr. Syed Javaid Khurshid (editor). **Chemical Weapon Convention; Implementation & Challenges** WMD. Series-1 May 15<sup>th</sup>, 2018, Islamabad ISBN:978-969-23235-3-6/2018.

#### **Publications:**

85. Andrabi, T. H. & Khurshid, Syed Javaid  
Enhancing Global Cooperation Research, Development and Policy Making Through Science Diplomacy: Challenges and Strategies. Journal of Science Communication and Diplomacy. Page 6-12, Vol 1, issue 2,2024.
84. Abdul Rashid and Khurshid, Syed Javaid.  
Enhancing Pharmacovigilance to Prevent Adverse Events in OIC Member States. Journal of Science Communication and Diplomacy. Page 44- 49, Vol 1, issue 2,2024.
83. Ahmed Aleem, Sayyed Paras Ali, Khurshid, Syed Javaid  
Science Communication and Science Diplomacy in Pakistan-What Went Wrong Journal of Science Communication and Diplomacy, Vol 1,1, 2024
82. Khurshid, Syed Javaid.  
Sustainable Energy Transition- Strategies for Pakistans Shift Towards Renewable Resources & Energy Efficiency. Hilal English (Hilal.Gov.pk) Page 40-44, April 2024

81. **Khurshid, Syed Javaid**  
Communicating Climate Change, GIZ/CITEPA/GCISC Three days' "Climate Transparency Forum and technical workshops" September 19 - 21, 2023, Marriott Hotel Islamabad.
80. **Khurshid, Syed Javaid**  
GIZ, CITEPA & GCISC One-day Development of Monitoring, Reporting and Verification system in Pakistan - Chaired F-Gas Session on September 20, 2023, at Marriott Hotel Islamabad
79. **Khurshid, Syed Javaid**  
GCISC/MoCC/EC four days' training workshop on "National GHG Inventory Management and MRV System" held on 4<sup>th</sup> - 7<sup>th</sup> September at Islamabad
78. **Khurshid, Syed Javaid.**  
Nanotechnology Developments - Safety and Security. CBNW London, United Kingdom, July 7 /2022,
- 77 **Khurshid, Syed Javaid.**  
Monkeypox - an emerging infectious Disease CBNW  
London, United ingdom, June 6/2022
76. **Khurshid, Syed Javaid,**  
Yum-e-Takbeer- the Day of Greatness, June Global Affairs
75. **Khurshid, Syed Javaid**  
Impact of New & Emerging Technologies - Science Diplomacy Perspective  
Inaugural Issue of Science Diplomacy Journal, MoFA, 11-19 March 2022.
- 74 **Khurshid, Syed Javaid**  
Bio-diplomacy, CBNW London, United Kingdom, Jan 2022.
- 73 **Saqib, Amna, and Khurshid, Syed Javaid.**  
9<sup>th</sup> Review Conference: Strengthening of Biological Weapons Convention.  
Journal of Bioterrorism, and Biodefense. Vol 12, issue 5, 2021.
72. **Khurshid, Syed Javaid.**  
Pakistan's Journey to Biosecurity.  
CBNW London, United Kingdom, P 34-35, August 2/2021.
70. **Khurshid, Syed Javaid.** New Emerging Infectious Diseases, Non-Conventional Terrorism (NCT), Journal of CBRNe Society Journal of July 2021, Leiden, The Netherlands.
69. **Khurshid, S. J.**  
Pakistan's Human Potential, Hilal (ISPR Journal), Sept 2020.
68. **Khurshid, S.J.**  
Opinion: Strengthening of BWC in light of COVID-19 Pandemic.  
American Journal of Bioterrorism, Biosecurity, and Biodefense, 3(1), 1007, 2020
- 67.** **Khurshid, S. J.**  
Radiation Sterilization of COVID-19 Personal Protective Equipment (PPE).  
Strafasia, June 30, 2020

66. **Khurshid, S. J.**  
COVID-19 Crises and Future of Sustainable Development Goals. **Strafasia**, June 19, 2020
65. **Khurshid, S. J.**  
COVID-19 Pandemic & Pakistan's Long-Term Energy Outlook. **Hilal(ISPR)**, p23-25, May 2020.
64. **Khurshid, S. J.**  
Global Structure of Nuclear energy and the Revival of Nuclear Power. **Hilal (ISPR Journal)**, Volume 57, April (issue 4), 2020.
63. **Khurshid, S. J.**  
Biosecurity Planning & Preparedness. **Strafasia**, April 28<sup>th</sup>, 2020.
62. **Khurshid, S.J.**  
Novel Coronavirus (nCoV-2019)-Is it a Bioweapon?  
**Journal of Bioterrorism & Biodefense**. Vol 11, Issue 1, 2020 (IF-1.32)
61. **Khurshid, S. J.**  
Bioterrorism - A Threat to National Security  
**Journal of Bioterrorism and Biodefense**, Volume 10, 1 2019.
60. **Khurshid, S. J.**  
Nuclear Knowledge Management -Pakistan's  
Scenario **Journal of Management Studies**,  
December 2018,
59. **Khurshid, S. J.**  
Small Modular Reactors (SMRs) - A Future Nuclear Power  
Option **CISS INSIGHT**, Vol 6, No 2, 2018. Islamabad
58. **Khurshid, S. J.**  
Nuclear Techniques for Sustainable Development Goals—  
Pakistan's Perspective. **Journal of Management Studies (ISSN 2328-2185, USA), USA**  
DOI:[10.17265/2328-2185/2018.03.007](https://doi.org/10.17265/2328-2185/2018.03.007)
57. **Khurshid, S. J.**  
National Seminar on Biological Weapons Convention  
Implementation Challenges. September 19, 2018, (ISBN:978-969-23235-4-3/2018)
56. **Hussain, S. S and Khurshid, S. J.**  
Estimating Indian Nuclear Weapon Capacity  
**Bulletin of The Nuclear Scientists**, Nov 2, 2018
55. **Khurshid, S. J.**  
**Chemical Weapons Convention Implementation Challenges**  
May 15<sup>th</sup>, 2018 (ISBN:978-969-23235-3-6/2018)
54. **Khurshid, S. J.**  
**Pakistan's Nuclear Tests - Assured No Fallouts**  
**CISS Insight**, Special Issue, May 28<sup>th</sup>, 2018. (ISSN-2310-4260)

53. Iqbal, MS, **Khurshid, SJ.** and Muhammad, B.  
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 Journal of Enzyme Inhibition & Medicinal Chemistry, 19(7)4-15, 2011
52. Afzal, MS., Imran, MB., Aslam, N., **Khurshid, SJ.**, Khan, MA., Irfanullah, J., Sohaib, M., Akhtar, MS., Muhammad, K., & Nadeem, A. “Gated Spect Myocardial Perfusion Scintigraphy for Identifying Septal Perfusion Artifacts in Left Bundle Branch Block.” JCPSP, 16(8) 504-508, 2006.
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 “TG Characteristics of Wool and Cotton Fibers Impregnated with Azo-Dyes” The Nucleus, 46(1-2) 2009: 49-52
50. **Khurshid, SJ.**  
 An Overview of National Cancer Awareness, Prevention, Control, Early Detection, and Treatment Program, JPMA, 55(7) Suppl, S-1, July 2005.
49. **Khurshid, SJ**  
 Invited article on 25 years of PAEC “Nuclear Medical Centres of PAEC” The Nucleus (special issue) 42 (1-2). 93-96, 2005
48. **Khurshid, SJ.**  
 “An Overview of National Cancer Awareness, Prevention, Control, Early Diagnosis & Treatment” JPMA 54; 12(2), Dec 2004
47. **Khurshid, SJ.**  
 Global Warming and its Impact on Health Science Technology & Development, MOST, June 2004
46. **Khurshid, SJ.** Waheed, S., Shujat, S. and Qureshi, IH.,  
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45. Fahmeed, S. Asghar, M. and **Khurshid, SJ.**  
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44. Hassany, SM. And **Khurshid, SJ.**  
 “Sorption of Behavior Sn(II) onto Haro River Sand from Aqueous Acidic Solution”, Radioanal. Chem. Art. 240(1) 25-29, 1999.
43. Qureshi, KA. And **Khurshid, SJ.**  
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41. Ahmed, SP, Ahmad, M, Rizwan, G, Najam, R. Siddiqui, S, Ahmed, SI. & **Khurshid, SJ.** Effect of Prunus Spinosa & Amygdalus on Plasma Corticosterone Level in Mice", Pak.J. Pharmacology 15(14), 27, 1998



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Pak. J. Pharmacology **14(2)**, 71-72, 1997
38. Hassan, M. and **Khurshid, SJ.**  
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J. Applied Radiation & Isotopes. **48(1)**, 143-146, 1997.
37. **Khurshid, SJ.**  
"Antibacterial Activity of Iron (II) and Zinc (II)-Amino Acid Complexes",  
J. Pak. Med. Assoc. **13(1)** 41-45, 1996
36. **Khurshid, SJ.**  
"Copper's in Rheumatoid Arthritis and nflammation", Specialist, **13(1)**, 99-103, 1996.
35. Sadiq, MZ. and **Khurshid, SJ.**  
"Animal Models in Biomedical Research.  
J. Pak. Med. Assoc. **46(3)** 64-66, 1996
34. **Khurshid, SJ**  
"Biological evaluation of Iron (II) and Zn (II) amino acid complexes", Pak. J. Pharm. Sci. **9[4]** 12, 1996.
33. **Khurshid, SJ**  
**Editorial-** "Metalloelements in human health and diseases",  
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32. Sadiq, MZ and **Khurshid, SJ,**  
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31. **Khurshid SJ** and Sadiq, MZ,  
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<sup>99</sup>Tc<sup>m</sup>Radiopharmaceuticals Methods and Prog. in Biomed Res. 42(1),  
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22. Fatmi, S. Kizilbash, NA. Imran. MB., **Khurshid, SJ.** Thallium-201 Brain  
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Surgical Cotton & Bandages, J. Pak. Med. Assoc. 43(1), 8-10, 1993.
20. **Khurshid, SJ.**  
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Manufactured Sanitary Pads, Specialist, 9(2), 149-152, 1993.
19. Iqbal MS. **Khurshid, SJ.** and Iqbal, MZ.  
Preparation, Characterization and Biologic Evaluation of Copper (II)-  
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18. **Khurshid, SJ.**  
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17. Imran, MB. **Khurshid, SJ.** and Karim, HMA.  
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Bioburden & Sterility Dose Setting for Radiation Sterilization of Locally  
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*J. Pak. Med. Assoc.* 37(1), 4-5, 1987
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"Radiometric Detection of Bacteria",  
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01. **Khurshid, SJ.** And Qureshi, IH.  
The Role of Inorganic Elements in Human Body",  
*The Nucleus*.21 (4), 3-23, 1984

## **Annexure-IV**

### **International Proceedings**

08. **Khurshid, SJ**  
**HRD Development for Nuclear Power Projects CN-261**  
**18-22 May 2018 Guongju, South Korea**
07. **Khurshid, SJ**  
 Nuclear Knowledge Management, International Nuclear Youth  
 Conference & WIN13 Feb 2018, Balaroche, **Brazil**
06. **Khurshid, SJ.**  
 Peaceful Uses of Nuclear Technology, Panel Discussion, International  
 Nuclear Youth Conference 11-16 Feb 2018, Balriroche, Brazil
05. **Khurshid, SJ.**  
 Nuclear Knowledge Management - Pakistan's Scenario 3<sup>rd</sup> IAEA Nuclear  
 Management Conference -CN-241, 7-11 November 2016, Vienna, Austria
04. **Khurshid, SJ**  
 Code of Conduct for Scientists - Pakistanis Approach, Proceeding of BTWC  
 Expert Committee Meeting, 13-24 June 2005 Geneva, Switzerland
03. **Khurshid, SJ**  
 Prohibition of Development, Production & Stockpiling of Bacteriological  
 (Biological) Toxic Weapon & their Destruction - Detection & Early  
 Warning System, Proceeding of BTWC Expert Committee Meeting, 19 -  
 30 July 2004, Geneva, Switzerland
- 02 **Khurshid, SJ.**  
 Food Irradiation - **Country Status of Pakistan**  
 19<sup>th</sup> Annual Meeting of the International Consultative Group on Food  
 Irradiation (ICGFI), Page 31-32, ICGFI-WP-08, 12-14 November 2002,  
 Vienna, Austria
- 01 **Khurshid, SJ.**  
 Food Irradiation - **Country Status of Pakistan**  
 18<sup>th</sup> Annual Meeting of International Consultative Group on Food  
 Irradiation (ICGFI), Page 28-29, ICGFI-WP-08, 23-25 October 2001, FAO  
 Headquarters, Rome, Italy

## **Annexure-V**

### **Articles in Newspapers/Magazines**

**Total 35 Articles published - List of Articles published in the last 5 years**

08. **Khurshid, SJ**  
 Geraldine Richmond Receives the Highest honor from  
 ACS, Global Affairs, Volume 04, issue 08, 2017.

07. **Khurshid, SJ**  
Research Counts not the Journals or Impact Factor  
Global Affairs, Volume 04, issue 09, 2017.
06. **Khurshid, SJ**  
World Ocean Day - Goal 14 of Sustainable Development,  
Global Affairs, Volume 04, issue 07, 2017.
05. **Khurshid, SJ**  
Science Communication is Essential to achieving SDGs,  
Global Affairs, Volume 04, issue 06, 2017.
- 04 **Khurshid, SJ**  
Managing Water and Sustainable Development,  
Global Affairs, Volume 04, issue 05, 2017.
- 02 **Khurshid, SJ**  
Nuclear Techniques in Achieving Sustainable Development  
Goals (SDGs), Global Affairs, Volume 04, issue 03, 2017.
01. **Khurshid, SJ and Niemela, J.**  
Professor Dr. Abdus Salam the Only Pakistani Nobel  
Laureate, Global Affairs, Volume 04, issue 02, 2017.

#### **Annexure-VI**

#### **Scientific Reports**

16 Scientific Reports

#### **Annexure-VII**

#### **Specialized/Invited Lectures at Postgraduate Courses/ Seminars/ Conferences Workshops**

Total Lectures Delivered more than 140 on Science Communication 7 Science Diplomacy, Nuclear Knowledge Management, Energy and Net Zero Emission-climate Change Nuclear Technology for Peaceful uses, nuclear energy, BWC & CWC Challenges & Implementation & Project Management – **List of Lectures delivered in last 5 years)**

21. **Biological Weapon Convention-** Safety& Security. Challenges and Implementation. CISS AJK, Pakistan.
20. Pakistan Adherence and Contribution to CWC: Challenges Implementation and Opportunities. Training Course on Needs and Best Practices on Chem-Safety & Security Management, 2-31 October, 2024
19. Effective Research Communication at Research Organizations-International Laws Controlling Research and Designing and Conducting a mini research Project. Jan 2025. Research Minds Pakistan
18. Communicating Facts about Climate Change. COMSTECH/MoFA International Conference on Science Communication & Community Engagement, COMSTECH, 1-3 Feb 2023, Islamabad



17. Khurshid, Syed Javaid. Climate Change - Net Zero Emission & Nuclear Power. Success Story of Civilian Nuclear Power in Pakistan. Feb 24, 2022, SASS, Islamabad
16. Khurshid, Syed Javaid; Emerging Technologies-Nanotechnological Developments Safety Security - 6<sup>th</sup> International Conference on Nanomaterials Modelling and Simulations. December 15-16, 2021.
15. Khurshid, Syed Javaid, Efficient use of Agri-Biotech for Mitigation of Climate Change, Webinar on Development & Prospects of Agri-Biotech in Pakistan. August 24, 2021, SVI Webinar.
14. Khurshid, Syed Javaid. "Climate Change Net Zero emission and Nuclear Power". Success Story of Civilian Nuclear Power in Pakistan, Webinar - Arranged by SASSI on June 24, 2021"
13. Khurshid, Syed Javaid. Nuclear Technology for Power Generation Industry. PNS Seminar on Application of Nuclear Technology in Industry, May 26, 2021. NIFA, Peshawar.
12. Khurshid, S, J. Pakistan Adherence to CWC: Challenges and Implementation. Webinar on Pakistan's Adherence to Chemical Weapons Convention: Implementation, Challenges and Approaches, April 22, 2021, Islamabad
11. Khurshid, S. J. Nanotechnology Developments and BTWC. 4<sup>th</sup> Global Nanotechnology Conference. April 27-28, 2020. Prague, Czech Republic.
10. Khurshid, S. J. Global Nuclear Energy Scenario and Renaissance of Nuclear Energy. Pakistan Academy of Sciences & Pakistan Nuclear Society Seminar, Jan 29, 2020.
09. Khurshid, SJ. Development of Pakistan's Nuclear Program for Peaceful Purpose. SVI Conference on Peaceful Uses of Nuclear Technology. 5<sup>th</sup> Dec 2019.
08. Khurshid, SJ. Peaceful Uses of Nuclear Technology. It's CISS Outreach Workshop. 29<sup>th</sup> August - 1<sup>st</sup> September. Nathiagali.
07. Khurshid, SJ. Development of Science Institution in Pakistan Plenary Lecture). 8<sup>th</sup> International Conference on Physics & Emerging Sciences, 2<sup>nd</sup> July 2019, AIU. Islamabad
06. Khurshid, SJ. Water Scarcity-A Security Threat. Seminar on The Global Water Challenge, Pakistan Nuclear Society, April 22, 2109, Islamabad Hotel.
05. Khurshid, S. J., Emerging Infectious Diseases-A National Security Threat, September 10, 2018. National Institute of Health (NIH) Auditorium, Islamabad.
04. Khurshid, S. J., BWC Implementation Challenges, Center for International Strategic Studies (CISS) Seminar May 15, 2018, Islamabad Club, Islamabad

02. Khurshid, S. J., Bioterrorism-A National Security Threat. DESTO Workshop on Chem-Bio, NESCOM Auditorium, Islamabad.
02. Khurshid, S. J. CWC Implementation Challenges. Center for International Strategic Studies (CISS), May 15, 2018, Multipurpose Hall, Islamabad Club, Islamabad
01. Khurshid, S. J., Pakistan's Nuclear Energy Scenario, Identifying Water, energy, and land nexus challenges in Indus Basin - Pakistan Perspective (ISWEL) Project, March 26, 2018, LUMS, Lahore

#### **Annexure-VIII**

### **Specialized International Colleges /Seminars Arranged**

- Executive Secretary of 14 Abdu's Salam International Nathiagali Summer College, on cutting Edge Technologies
- Convener, of 02 CISS Outreach on Nuclear Technology for University Professor (Training of Trainers) 2018-2021)

#### **Annexure-IX**

### **Member Organizing/Technical Committees International/Colleges/Seminars/Symposia**

- Conducted about 38 Colleges & Workshops/seminar/conferences

#### **Annexure-X**

### **Participation in International Trainings/ Meetings**

- Participated in 19 International Trainings Meetings

#### **Annexure-XI**

### **Chaired in International/National Seminars/ Conferences/ Workshops/ Symposia /Colleges**

- About 17 Workshops/seminars and conferences

#### **Annexure-XII**

### **International Seminars/ Conferences / Workshops/ Symposia /Colleges**

- Participated in about 280 Seminar/conferences/webinars on Climate Change, Net-Zero Emission Nuclear Strategy, Nuclear Technology, Biological & Chemical Weapons Challenges & Implementations

### **International Seminars/ Conferences / Workshops/ Symposia /Colleges**

- Participated in about 280 Seminar/conferences/webinars on Climate Change, Net-Zero Emission Nuclear Strategy, Nuclear Technology, Biological & Chemical Weapons Challenges & Implementations