**CURRICULUM VITAE**

**OF**

**PROF. DR. KHALID MOHAMMED KHAN**

 ***(Sitara-i-Imtiaza, Tamgha-i-Imtiaz)***

**H. E. J. Research Institute of Chemistry**

**International Center for Chemical and Biological Sciences**

**University of Karachi, Karachi-75270, Pakistan**

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 **Web page: www.iccs.edu**

**PERSONAL INFORMATION**

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| --- | --- |
| Date of Birth | December 1, 1960 (Nawab Shah, Pakistan) |
| Languages | English, German, Urdu, Sindhi, and Punjabi |
| Marital Status | Married |
| C.N.I.C. No. | 42101-1392779-1 |
| Passport No. | AW4107795 |

**RESEARCH PROFILE**

Area of Interest **Synthetic Organic Chemistry, Bioorganic and Medicinal Chemistry**

ORCID ID [**https://orcid.org/0000-0001-8337-402**1](https://orcid.org/0000-0001-8337-4021)

Google Scholar [**https://scholar.google.com.pk/citations?user=yZJlQYkAAAAJ&hl=en**](https://scholar.google.com.pk/citations?user=yZJlQYkAAAAJ&hl=en)

Co-edited International Book **1**

Co-edited National Book **1**

Chapters in Books **14**

International Patents **17**

Pakistani Patents **4**

Total International Research Publications **909** (**National = 159 / International = 750**)

Supervised and Co-supervised M. Phil./Ph. D. Scholars **101**

Total Scientific Impact Factor **1759.750**

Total Citations (*as per Google Scholar*) **21060**

H-index (*as per Google Scholar*) **70**

i10-index (*as per Google Scholar*) **492**

**EDUCATION**

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| D. Sc. Degree | (2022) |

University of Karachi

**Field(s) of study**: Chemistry

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| Postdoctoral Fellow | (November 1995 - January 1996) |

H. E. J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi <https://www.iccs.edu/>

**Supervision**: Prof. Dr. Atta-ur-Rahman

**Field(s) of study**: Chemistry

**Project**: Involved in Combinatorial Chemistry.

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| Postdoctoral Fellow | (September 1992 - September 1995) |

Eberhard Karls Universität Tübingen, Tübingen, Germany. (Ranked 91st of the world)

**Supervision**: Prof. Dr. Wolfgang Voelter

**Field(s) of study**: Chemistry

**Project**: Involved in an efficient as well as an economical synthesis of the antineoplastic and antibiotic 6-diazo-5-oxo-L-norleucine (DON), synthesis of cholestenopyrimidines, 1,3,4,5-tetrahydro-2*H*-benzodiazepin-2-ones, their derivatives and development of synthetic methodologies based on carbohydrates and amino acids.

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| Postdoctoral Fellow | (July 1991 - September 1992) |

H. E. J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi <https://www.iccs.edu/>

**Supervision**: Prof. Dr. Atta-ur-Rahman

**Field(s) of study**: Chemistry

**Project**: Involved in the investigations on demulsifiers for furnace oil/water emulsions (an industrial project) which resulted in a patent and synthetic study on glycophosphatidylinositol: Highly efficient synthesis of glycosyl phosphatidylinositol through H-phosphate approach.

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| Ph. D. | (October 1985 - July 1991) |

H. E. J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi <https://www.iccs.edu/>

**Supervision**: Prof. Dr. Mohammed Saleh Shekhani

**Field(s) of study**: Chemistry

**Thesis**: D-Glucal, A Versatile Chiral Synthon: Synthetic Approaches to A-Ring of Pederin.

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| M. Sc. | (January 1983 - July 1985) |

Department of Chemistry, Quaid-i-Azam University, Islamabad, Pakistan [www.qau.edu.pk](http://www.qau.edu.pk)

**Supervision**: Prof. Dr. Mrs. Naeema Khan

**Field(s) of study**: Organic Chemistry

**Thesis**: Reactions of Highly Hindered Phenol and its Derivatives.

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| B. Sc. | (1982) |

Government Degree College Nawab Shah/Sindh University, Jamshoro, Pakistan

**Field(s) of study**: **Chemistry**, Botany, and Geography

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| Intermediate | (1979) |

Government Degree College Nawab Shah/Board of Intermediate and Secondary Education, Hyderabad, Pakistan

**Field(s) of study**: (Pre-Medical) Chemistry, Biology, and Physics

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| Matriculation | (1974) |

Municipal High School Nawab Shah/Board of Intermediate and Secondary Education, Hyderabad, Pakistan

**Field(s) of study**: (Science Group) Chemistry, Biology, Physics, and Mathematics

**PROFESSIONAL EXPERIENCE**

|  |  |
| --- | --- |
| ***Professor***H. E. J. Research Institute of Chemistry, ICCBS, University of Karachi | July 23, 2008 to date |
| ***Associate Professor***H. E. J. Research Institute of Chemistry, ICCBS, University of Karachi | June 28, 2003- July 22, 2008 |
| ***Assistant Professor***H. E. J. Research Institute of Chemistry, ICCBS, University of Karachi | September 12, 1997-June 27, 2003 |
| ***Senior Quality Control Officer***Lederle Laboratories Division, Cyanamid (Pakistan) Limited, Karachi. Involved in R&D and Analysis of raw material and finished products. Member of Committee for achieving ISO 9002 certification: First ISO 9002 certified pharmaceutical company of Pakistan has achieved ISO 9002 certification in June 1997. | January 1996 - September 1997 |

**ADMINISTRATIVE AND MANAGEMENT EXPERIENCE**

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|  | ***Director*** (Acting) in the absence of Director ICCBS | 2019-2020 |
|  | ***Senior Professor*** | 2008-2020 |
|  | ***Coordinator***, Industrial Analytical Center, ICCBS | Since 2004 |
|  | ***Coordinator***, National Chemistry Talent Contest Program under Higher Education Commission (HEC) Pakistan | Since 2005 |
|  | ***Provost***, ICCBS Boys Hostel | 2006-2009 |
|  | ***Management Representative***, The Industrial Analytical Center (IAC) for ISO-17025 certification | Since 2004 |
|  | ***Member***, Nomination Committee, Federal Urdu University of Arts, Science and Technology, Pakistan, | Since 2017 |
|  | ***Elected Unopposed President***, The Chemical Society of Pakistan | 2021 for next three years |
|  | ***Member***, Steering Committee of International Chemistry Olympiad | 2006-2016 |
|  | ***In-charge***, Transport fleet of ICCBS | Since 2004 |
|  | ***Convenor***, Complaint Redressal Committee (CRC) | Since 2008 |
|  | ***Convenor***, Students Grievance Committee of ICCBS Institutions | Since 2008 |
|  | ***Convenor***, Purchase Committee of ICCBS Institutions | 2000-2008 |
|  | ***Coordinator***, National Internship Program, Govt. of Sindh | 2008-2013 |
|  | ***Coordinator***, National Research Collaboration of ICCBS Institutions | 2006-2014 |
|  | ***Coordinator***, Access to Instrumental Facilities Program of Higher Education Commission (HEC) Pakistan of ICCBS Institutions | 2006-2016 |
|  | ***Convenor***, Employees Excellence Award Committee of ICCBS Institutions,  | Since 2006 |
|  | ***Member***, the Board of Studies (HEJRIC) | 2006 – Present |
|  | ***Member***, Thesis Reviewer's Committee (M. Phil. /Ph. D.) | Since 2006 |
|  | ***Member***, Pre-viva voce Committee | Since 2006 |
|  | ***Elected Secretary***, of The Pakistan Academy of Sciences Sindh Chapter | Since 2017 |
|  | ***Elected Secretary General***, The Chemical Society of Pakistan | 2006-2011 |
|  | ***Elected Unopposed Secretary General***, The Chemical Society of Pakistan | 2011-2015 |
|  | ***Secretary***, National Core Group in Chemistry under Higher Education Commission (HEC) Pakistan | 2004-2008 |

**SIGNATORY OF FOLLOWING (AUTHORIZED BY DIRECTOR OF ICCBS INSTITUTIONS)**

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| Co-signatory of all Accounts of ICCBS Institutions | 2008-2020 |
| Prior approvals and bills of overtime | 2008-2020 |
| Salary statement of daily wages employees | 2008-2020 |
| Leave applications of employees (Grade 16 and below) | 2008-2020 |
| Prior approvals of bills related to medical treatment of employees | 2008-2020 |

**PROJECTS FUNDED BY NATIONAL AND INTERNATIONAL FUNDING AGENCIES**

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| **INTERNATIONAL RESEARCH GRANTS** |
|  | Synthesis and Biological Evaluation of b-Hexapeptides analogs of Neurotensin NT (8-13) US $ 5000/= Ref.: 01-310 RG/CHE/AS | The Third World Academy of Sciences (TWAS) |
|  | Discovery and Exploration of New Biologically Important Heterocycles for the Treatment of *H. Pylori* and other Pathologies US $ 32698/= Dated: 1/3/2012-1/2/2014. | Organisation for the Prohibition of Chemical Weapons (OPCW) |

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| **NATIONAL RESEARCH GRANTS** |
|  | Design, Synthesis, Antioxidant, Antiglycation, *α*-Amylase, *α*-Glucosidase Inhibitory Activities of Benzisoxazole Derivatives for the Treatment of Diabetes Complications and other Pathologies, PAS project No: 111, Rs. 1,380,000/- | Pakistan Academy of Sciences (PAS) |
|  | Exploration of Pyridine-based Molecules as *α*-Amylase, *α*-Glucosidase Inhibitors and Reactive Oxygen Species (ROS) Scavengers for Cure of Diabetes and other Ailments, Rs. 4,518,600/- vide letter No. NO.DD/SHEC/1-14/2014, 09/03/2021. | Sindh Higher Education Commission (SHEC) |
|  | Biology Oriented Parallel Synthesis (BIOPS): Synthetic Transformation on Nitroimidazoles in Search of Better Therapeutic Agents Rs. 23,16,200 (PAS) (5-9/PAS/8418) 5/6/2012 | Pakistan Academy of Sciences (PAS) |
|  | Biology Oriented Synthesis (BIOS) Based Synthesis of Libraries of Santonin Rs. 19,76,200 (PAS) (5-9/PAS/1335) 7/2/2012 | Pakistan Academy of Sciences (PAS) |
|  | Discovery and exploration of Oxadiazoles, Isoxazoles, Triazoles, and Thiadiazoles for the Treatment of Peptic Ulcer and other Diseases Rs. 43,75,800/= (HEC 20-1910/2011) | Higher Education Commission (HEC) |
|  | Studies towards Rationally Designed Molecules of Biological Interests Using Natural Products as Models Rs. 18,58,440/= (HEC, No.20-1394/R&D/09, 2010) | Higher Education Commission (HEC) |
|  | Synthesis of Acylhydrazides, Benzothiazoles and their Anti-Leishmanial Activities Rs. 57,48,924/= (HEC (FD)-20-2073/2011) | Higher Education Commission (HEC) |
|  | Synthesis of Some Natural and Unnatural Isocoumarins and Related Compounds in Search of Potential Chemotherapeutic Agents Rs. 19,81,000/= (HEC, No. 20-69/R&&D/03, 2003-2006) | Higher Education Commission (HEC) |
|  | Synthesis of Leishmanicidal Chemotherapeutic Agents (Pakistan Telecommunication Company Limited (PTCL), Rs. 2212000/= No. R&D F/PP R/PSF/2003/56, 2004-2007) | Pakistan Telecommunication Company Limited (PTCL) |
|  | Collaboration with the Dipartimento di Chimica Laboratorio di Chimica, University of Florence, Italy for Carbonic Anhydrase Inhibitors Rs. 300,000 (HEC/R&D/2005) | Higher Education Commission (HEC) |
|  | Synthesis of Biologically Active Chiral Iridoids Via Pauson-Khand Reaction, RS. 515,418/= (PSF/RES/S-KU/CHEM (372)/2001) | Pakistan Science Foundation (PSF) |
|  | Research Support Program for Active Scientists and Technologists, Rs. 500,000/= (PSF/P&D/Act. Sci.(2)/042005-2006) | Pakistan Science Foundation (PSF) |
|  | Study on the Synthesis of Biologically Active Coumarins and Related Compounds Rs. 200,000/= (HEJRIC/Special Research Fund 2003) | International Center for Chemical and Biological Sciences (ICCBS) |
|  | Synthesis of Medicinally Important Heterocyclic Compounds using Microwave Irradiations Rs. 200,000/= (HEJRIC/Special Research Fund 2003). | International Center for Chemical and Biological Sciences (ICCBS) |

**AWARDS AND HONORS**

* Fellow of The World Academy of Sciences (TWAS), Italy, 2023.
* Elected Unopposed President, The Chemical Society of Pakistan, 2021 for three years.
* Fellow of Royal Society of Chemistry, UK, 2019
* Member of The Steering Committee of International Chemistry Olympiad, 2016.
* Leader and Trainer of Twenty Bronze Medals and one Honorable Mention Winner Pakistani Chemistry Olympiad Teams Participated in International Chemistry Olympiads in different countries (2006-202020).
* UNESCO-TWAS Associateship in 2013 for three year (2013-2016).
* Deutche Akadmische Austauschdienst (DAAD), Germany Fellow in 2006, 2010, and 2014.
* Sitara-i-Imtiaza conferred by the President of Islamic Republic of Pakistan 2012.
* Elected as Follow of Pakistan Academy of Sciences, 2010.
* Fellow of The Chemical Society of Pakistan, 2007.
* Secretary, National Core Group in Chemistry (Constituted in 2002 by Ministry of Science and Technology, Government of Pakistan, working under Higher Education Commission) Scientific Observer for 36th International Chemistry Olympiad Kiel Germany, 2004 (STEM Careers Project under Higher Education Commission).
* Scientific Observer for 37th International Chemistry Olympiad Taipei Taiwan, 2005 (STEM Careers Project under Higher Education Commission).
* Most Cited Paper 2005-2008 Award from Elsevier Publishers.
* Member, Board of Studies, Urdu University of Arts, Science and Technology, Karachi 2018.
* Member of Plagiarism Committee, University of Karachi 2017.
* Member, Selection Board, National Centre of Excellence in Analytical Chemistry (NCEAC), University of Sindh, Jamshoro 2017.
* Member, Board of Studies, Institute of Advanced Research Studies in Chemical Sciences, University of Sindh, Jamshoro 2016.
* International Union of Pure and Applied Chemistry (IUPAC) Fellow 2014.
* National Representative of the Organic and Biomolecular Chemistry Division, International Union of Pure and Applied Chemistry (IUPAC) 2012-2013.
* Member of the Committee, Department of Chemistry, Allama Iqbal Open University, Islamabad 2010-2013.
* Member, Board of Studies, Institute of Chemical Sciences, University of Peshawar 2008-2010.
* Member, Board of Studies, Department of Chemistry, Quaid-I-Azam University, Islamabad 2008-2011.
* University IP Coordinator, Intellectual Property Organisation, Government of Pakistan (IPO-Pakistan) 2006.
* Member Curriculum Committee National Curriculum Council, Ministry of Education, Government of Pakistan 2006.
* Member, Board of Studies, H. E. J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi, Pakistan, since 2006.
* University IP Coordinator, Intellectual Property Organisation, Government of Pakistan (IPO-Pakistan) 2005.
* Member Curriculum Committee of Department of Chemistry, Urdu University of Arts, Science and Technology, Karachi since 2003.
* Membership of American Chemical Society.
* Elected Unopposed Secretary General, The Chemical Society of Pakistan, 2010-2015.
* Elected Secretary General, The Chemical Society of Pakistan 2006-2010.
* Tamgha-i-Imtiaz 2004 conferred by the President of Pakistan.
* Pakistan Academy of Sciences Gold Medal 2004.
* Justice Qadeeruddin Gold Medal 2003.
* Star Award 2004 from South Asia Publications.
* Star Award 2003 from South Asia Publications.
* Member of the Peer Review Committee for R&D Institutions in the field of Chemical and Pharmaceutical Sciences, constituted by Pakistan Council for Science and Technology (PCST) 2002.
* Coordinator of “SAARC-H.E.J. Training Course on Bioassay and Pharmacological Techniques for Drug Development,” October 10-15, 2003 Karachi Pakistan.
* The Chemical Society of Pakistan (Life Member).
* Recipient of Research Productivity Awards (RPA) 2001-2017 from Pakistan Council for Science & Technology (PCST).

**MERITS AND SCHOLARSHIPS**

* Merit Scholarship in M. Sc.
* Scholarship from Pakistan Science Foundation during Ph.D.
* Scholarship from Ministry of Science and Research Baden-Württemberg (Germany) July 1993 - September 1995.
* Deutscher Akadmische Austauschdienst (DAAD), 2006, 2010, and 2014.
* On the reviewer's panel of the over 70 International Journals of Organic and Medicinal Chemistry.

**PROFESSIONAL MEMBERSHIPS**

* American Chemical Society (ACS)
* The Chemical Society of Pakistan (CSP) (Life Member)
* The World Academy of Sciences (TWAS)
* Royal Society of Chemistry (RSC)
* Pakistan Academy of Sciences (PAS)

**PARTICIPATION IN INTERNATIONAL AND NATIONAL SYMPOSIA, CONFERENCES, SEMINAR, WORKSHOPS AND TRAININGS**

1. A number of International and National Symposia, Conferences, Seminar, Workshops and Trainings were attended and presented papers.
2. A number of International and National Symposia, Conferences, Seminar, Workshops and Trainings were organized.
* Attended the 6th International Symposium-cum-Training Course on Molecular Medicine and Drug Research, International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan, **November 27-30, 2023**.
* Attended 55th International Chemistry Olympiad (IChO), Zürich, Switzerland, **July 16-25, 2023.**
* Invited speaker at the 20th International and 32nd National Chemistry Conference on Chemical Sciences and Sustainable Development Goals, organized by the Chemical Society of Pakistan at the Khwaja Fareed University of Engineering and Information Technology Rahim Yar Khan, **November 2-4, 2022**.
* Invited speaker at the 2nd International Scientific Colloquium, Spring-2022 (SCS-2022), Department of Chemistry, Government Graduate College Jhelum, Pakistan, **October 28-29, 2022**.
* Attended the International Symposium on Excellence in Science (ISES), organized by the International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan, **September 22-24, 2022**.
* Attended the IPVS Satellite Symposium on Human Papillomavirus and Cervical Cancer, organized by the International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan, **September 22-24, 2022**.
* Attended 54th International Chemistry Olympiad (IChO), Tianjin, China, **July 10-18, 2022**.
* 15th International Symposium Natural Product Chemistry, International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan, **February 21-24, 2022**.
* Attended 53rd International Chemistry Olympiad (IChO), Tokyo, Japan, **July 25- August 2, 2021**.
* Attended 52nd International Chemistry Olympiad (IChO), Istanbul, Turkey, **July 23-29, 2020.**
* Attended the 7th International Symposium-cum-Training Course on Molecular Medicine and Drug Research, International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan, **November 4-7, 2019**.
* Attended 9th ANRAP International Seminar “From Plant to Patient: Identification of New Drugs for Metabolic Disorders (ANRAP-9 International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan, **January 25 - 27, 2019**.
* Attended International Workshop on “New Anti-Leishmanial Leads from Natural Sources: Concepts and Approaches”, Dr. Panjwani Center for Molecular Medicine and Drug Research (PCMD), International Center for Chemical and Biological Sciences (ICCBS), University of Karachi, Karachi, Pakistan, **November 8 - 9, 2019**.
* Attended 51st International Chemistry Olympiad (IChO), Paris, France, **July 21-30, 2019.**
* 2nd International Conference on Chemistry (ICC) **April 26-27 2019**, Development of Lead Compounds for Urease Inhibition, at Garrison University, Lahore, Pakistan.
* 1st International Conference on Advances in Drug Discovery and Development**, January 3-5, 2018**, at NARC, Islamabad, Organized by Department of Biochemistry, Abdul Wali Khan University, Mardan.
* Chemical and Pharmaceutical Sciences: Recent Approaches in Research & Applications, **January 17-19, 2018**, Department of Chemistry, Forman Christian College (A Chartered University), Lahore, Pakistan
* 1st International Conference on Chemistry (ICC) **April 16-17 2018**, Garrison University, Lahore, Pakistan.
* 10th Chemistry Conference 2018 on Chemistry in Engineering & Life Sciences, **August 7-9 2018**, PINSTECH, Islamabad
* 2nd International Conference on Natural Sciences, Climate, and Biodiversity at the University Azad Jammu and Kashmir, Muzaffarabad, Pakistan, **September 15-17, 2018**.
* 14th International Symposium Natural Product Chemistry, **November 6-8, 2018**, International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan.
* 2nd International Symposium on Natural Products for the Future, November 4-6, 2018, International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan.
* Attended 50th International Chemistry Olympiad (IChO) **July 19-29, 2018** in Slovak and Czech Republics.
* Attended 6th International Symposium-cum-Training Course on Molecular Medicine and Drug Research, International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan, **November 6-9, 2017**.
* Attended 1st International Conference on New Horizons in Drug Discovery and Pharmaceutical Sciences, Department of Pharmaceutical Sciences, Abbottabad University of Science and Technology, Pakistan, **April 27-30, 2017**.
* Attended 49th International Chemistry Olympiad (IChO) **6-15 July 2017** in Thailand.
* Invited speaker at the 27th National and 15th International chemistry conference entitled, "Discovery of novel urease inhibitors for the treatment of peptic ulcer," Organized by Department of Chemistry, during **August 22-25, 2016**, at the University of Malakand, Chakdara, KP, Pakistan.
* Invited speaker at the recent advances and challenges in molecular biology, biochemistry, and biotechnology entitled, "Discovery of novel lead molecules for *α*-glucosidase inhibition," Organized by Center for Advanced Drug Research, during **August 25-27, 2016**, COMSATS Institute of Information Technology, Abbottabad, Pakistan.
* Invited speaker at Three-Day Colloquium on Role of Chemistry in Environmental Protection and Drug Development entitled, Synthesis of Lead Molecules Urease Inhibition," Organized by Department of Chemistry, during **September 1-3, 2016**, at the Jinnah Women University, Karachi, Pakistan.
* Invited speaker at 14th EURASIA Conference on Chemical Sciences (EuAsC2S-14), entitled, "Identification of Lead Molecules for Diabetic Management," Organized by H. E. J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi, Pakistan, **December 15-18, 2016**, Karachi, Pakistan.
* 14th Asian Symposium on Medicinal Plants, Spices and other Natural Products (ASOMPS), **December 9-12, 2013**, H. E. J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan.
* Invited speaker at Pakistan Academy of Sciences entitled *“*Biochemical Approaches for the Treatment of Diabetes mellitus*”*, organized by Latif Ebrahim Jamal National Science Information Center on **August 27, 2014**.
* Delivered several Lectures at the Indonesian Institute of Sciences (LIPI)-Indonesia during the visit to Indonesia **April 1-30, 2014**.
* Attended a One-day seminar on “First aid Lecture and Practical Demonstration*”* on **March 27**, **2014**.
* Attended Conference on *“*National Science Conference, Science, Society and Development”, on **May 1-2, 2014**.
* Attended Workshop on *“*Classical Protein Chemistry*”*, during **August 11-13, 2014**.
* Attended *“*NASIC Workshop on Modern Spectroscopic Techniques and their Application in Structure Determination*”*, on **December 1-3, 2014**.
* 12th International and 24th National Chemistry Conference, **October 28-30, 2013**,Institute of Chemical Sciences, B. Z. University, Multan, Pakistan.
* 4th International Symposium-Cum-Training Course on Molecular Medicine and Drug Research, **January 7-10, 2013**, Karachi, Pakistan
* 11th International and 23rd National Chemistry Conference, **October 15-17, 2012**,Department of National Center of Excellence in Physical Chemistry, Peshawar University, Khyber Pakhtunkhwa, Pakistan.
* 13th International Symposium on Natural Product Chemistry, **September 22-25, 2012,** H. E. J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi, Pakistan.
* 10th International and 22nd National Chemistry Conference, **November 21-23, 2011**,Department of Chemistry and Biochemistry, University of Agriculture, Faisalabad, Pakistan.
* 9th International and 21th National Chemistry Conference, **14-16 March 2011**, Jointly organized by H. E. J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences and Department of Chemistry, University of Karachi, Karachi, Pakistan.
* 8th International and 20th National Chemistry Conference, **February 15-17**, **2010**, Department of Chemistry, Quid-i-Azam University, Islamabad, Pakistan.
* 19th National Chemistry Conference, Department of Chemistry, Kohat University of Science and Technology, Kohat, **June 9-11, 2009** (At Peshawar University Summer Campus Baragali), Pakistan.
* One Day Workshop Collaboration with HEC-BC (British Council), **May 16, 2009**, International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan.
* 3rd National Seminar, “Intellectual Right to Magic Methods” **April 15-16, 2008**, at Pearl Continental Hotel, Lahore organized by Patent Advisory Cell, PCSIR, Karachi, Pakistan.
* 11th International Symposium on Natural Product Chemistry, **October 29-November 01, 2008**, H. E. J. Research Institute of Chemistry University of Karachi, Pakistan.
* 1st Junior National Chemistry Symposium, **June 2008**, Department of Chemistry, Azad Kashmir University, Muzaffarabad, Pakistan
* 18th National Chemistry Conference, **February 25-27, 2008**, Institute of Chemistry University of the Punjab Lahore, Pakistan.
* 9th International Symposium on Protein Function Relationship, **January 11-14, 2007**, International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Karachi.
* 7th International and 17th National Chemistry Conference, **February 26-28, 2007**, Department of Chemistry, Gomal University D.I. Khan, Pakistan, Theme: “Excellence through Innovation”.
* First IBRO School of Neuroscience **March 26-30, 2007**, Dr. Panjwani Center for Molecular Medicine and Drug Research, International Center for Chemical & Biological Sciences, University of Karachi, Pakistan.
* Workshop on New Instrumentation and Application of Mass Spectrometry **August 7-9, 2006**,H. E. J. Research Institute of Chemistry University of Karachi, Pakistan.
* 10th International Symposium on Natural Product Chemistry, **January 06-09, 2006**, H. E. J. Research Institute of Chemistry University of Karachi, Pakistan.
* 6th International and 16th National Chemistry Conference, **April 4-6, 2006**, Department of Chemistry, Bahauddin Zakaria University, Multan, Pakistan: Theme “Quality of Life and Chemical Sciences”.
* The Second Sino-Pakistan Bilateral Workshop on Chemical Sciences” Department of Chemistry, University of Shanghai, China, **April 17-20, 2006.**
* In-Service Training Workshop “Chromatography and Statistics in Chemistry” **December 26, 2004-January 9, 2005**. National Core Group in the Chemistry University of Sind, Jamshoro, Pakistan.
* 8th International Symposium on Protein Structure-Function Relationship **January 7-10, 2005** & Workshop on Characterization of Protein **January 12-18, 2005** H. E. J. Research Institute of Chemistry University of Karachi, Pakistan
* 8th International Symposium on Protein Structure-Function Relationship **January 7-10, 2005**, Karachi, Pakistan.
* Workshop on Application of Modern Spectroscopic Techniques In Chemical Sciences **December 6-23, 2004**. National Core Group in Chemistry H. E. J. Research Institute of Chemistry University of Karachi, Pakistan
* 5th International and 15th National Chemistry Conference **November 24-27, 2004**. Department of Chemistry Quai-i-Azam University, Islamabad, Pakistan.
* 9th International Symposium on Natural Product Chemistry, **January** **10-13, 2004**. H. E. J. Research Institute of Chemistry University of Karachi, Pakistan
* 7th International Symposium on Protein Structure-Function Relationship **January 20-24, 2003**, Karachi, Pakistan.
* 4th International and 14th National Chemistry Conference, **May 16-18, 2004**, PCSIR Laboratories Complex Lahore, Pakistan, Theme “Quality through Innovative Chemistry.”
* SAARC-H.E.J. Training Course on Bioassay and Pharmacological Techniques for Drug Development, **October 10-15, 2003**. H. E. J. Research Institute of the Chemistry University of Karachi, Pakistan.
* 3rd International and 13th National Chemistry Conference, **December 28-31, 2002**, Department of Chemistry/HEJ Research Institute of Chemistry, University of Karachi, Pakistan.
* 2nd International and 12th National Chemistry Conference, **February 4-6, 2002**, University of Sind, Jamshoro, Pakistan
* 7th Eurasia Conference on Chemical Sciences, **March 8-12, 2002**, H. E. J. Research Institute of Chemistry University of Karachi, Pakistan
* 3rd Jordanian International Conference of Chemistry **April 22-26, 2002,** Chemistry Department, Faculty of Science, Yarmouk University, Irbid-Jordan.
* International Seminar on Role of Science and Technology in Sustainable Development, **September 22-23, 2002**, Karachi, Pakistan.
* Bangladesh-Pakistan Bi-National Seminar on Natural Product Chemistry, **September 24-26, 2002**, Karachi, Pakistan.
* 3rd International and 13th National Chemistry Conference, **December 28-31, 2002**, H. E. J. Research Institute of Chemistry University of Karachi, Pakistan.
* 1st International and 11th National Chemistry Conference, **April 10-14, 2001**, Department of Chemistry, University of Peshawar, Pakistan.
* National O. N. R. Symposium on the Arabian Sea as a Resource of Biological Diversity **September 18-20th** **2000**. H. E. J. Research Institute of Chemistry University of Karachi, Pakistan.
* International Workshop on Sustainable Use of Medicinal and Food Plants, **September 15-17, 2000**, H. E. J. Research Institute of Chemistry University of Karachi, Pakistan.
* HEJ-COMSATS Workshop on the use of Spectroscopic Techniques in Structural Organic Chemistry. **February 14-21**-**2000**. H. E. J. Research Institute of Chemistry University of Karachi, Pakistan.
* Workshop on the Technology for Product Development from Medicinal Plant, **January 21-27, 2000**, H. E. J. Research Institute of Chemistry University of Karachi, Pakistan
* 8th International Symposium on Natural Product Chemistry, on **January 18-22,2000,** H. E. J. Research Institute of Chemistry University of Karachi, Pakistan.
* 9th National Chemistry Conference, **December 6-8** **1998**, Department of Chemistry/H. E. J. Research Institute of Chemistry University of Karachi, Pakistan.
* 8th National Chemistry Conference, **September 2-4, 1997**, PCSIR Laboratories Complex, Lahore, Pakistan.
* 7th International Symposium on Natural Product Chemistry, Karachi, Pakistan, from **December 28-January 1** **1997**. H. E. J. Research Institute of Chemistry University of Karachi, Pakistan.
* 7th National Chemistry Conference, **June 2-3, 1996**, Department of Chemistry and Institute of Bio-Chemistry, University of Baluchistan, Quetta, Pakistan.
* 19th IUPAC Symposium on Natural Product Chemistry, Karachi, Pakistan **January 16-20, 1994**. H. E. J. Research Institute of Chemistry University of Karachi, Pakistan.
* 8th European Symposium on Organic Chemistry, at Barcelona, Spain, **August-September, 1993**.
* 5th International Symposium Pakistan-US Binational and UNESCO-SCAMAP Workshop on Natural Product Chemistry, Karachi, Pakistan, **January 1992**. H. E. J. Research Institute of Chemistry University of Karachi
* 3rd National Chemistry Conference, **December 1991**, Department of Chemistry, Gomal University, D. I. Khan. Pakistan.
* 4th International Symposium Pakistan-US Binational and UNESCO-SCAMAP Workshop on Natural Product Chemistry, Karachi, Pakistan, **January 1990**.
* 2nd National Chemistry Conference **December** **27-30, 1990**. Department of Chemistry & H. E. J. Research Institute of Chemistry University of Karachi, Pakistan.
* 2nd International Conference on Protein Structure-Function Relationship Karachi, Pakistan, **December 1989**.
* 1st International Conference on Protein Structure-Function Relationship Karachi, Pakistan, **January 1988**.
* 3rd International Symposium Pakistan-US Bi-national and UNESCO-SCAMAP Workshop on Natural Product Chemistry, Karachi, Pakistan, **January 1988**.
* International Workshop on Isolation and Structure Elucidation of Natural Product Using Spectroscopic Technique, Karachi, Pakistan, **January 1987**.
* 2nd International Symposium Pakistan-Us Binational and UNESCO-SCAMAP Workshop on Natural Product Chemistry, Karachi, Pakistan, **January 1986**.

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**RESEARCH PUBLICATIONS**

**Kindly see attached list**