

Curriculum vitae

PROF. DR. SHAHEEN FAIZI S.I.

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BIODATA
PROF. DR. SHAHEEN FAIZI S.I.

NAME	DR. SHAHEEN FAIZI
FATHER'S NAME	(LATE) FAIZUL HAQ KHAN
DATE OF BIRTH	14 th January 1953
DOMICILE	Sindh (Karachi)
NATIONALITY	Pakistani
RELIGION	Islam
MARITAL STATUS	Single
ADDRESS	B-2, Gulshan-e-Saleem (H.E.J. Colony) University Campus, Karachi University Karachi.
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PRESENT EMPLOYMENT	Professor (Since October 24, 2002) H.E.J. Research Institute of Chemistry, University of Karachi, Karachi.

ACADEMIC AUALIFICATIONS

Examination	Division	Year	Board/University
Matric	1 st	1969	Karachi Board
Inter Science	1 st	1971	Karachi Board
B.Sc.	2 nd	1973	Karachi University
M.Sc.	1 st with distinction 82% marks	1975*	Karachi University
Ph.D.		1985	Karachi University

Title of Ph.D. Thesis: "Studies in the chemical constituents of *Azadirachta indica* (neem) and *Solanum xanthocarpum*"

SUPERVISOR Professor Dr. Salimuzzaman Siddiqui, FRS

EXPERIENCE

Twenty eight years experience in:

1) Bioassay directed isolation and structure elucidation of alkaloidal, terpenoidal, aromatic and glycosidal constituents of various medicinal plants, some of which are *Adenium*, *Aegle marmelos*, *Artabotrys uncinatus*, *Artocarpus heterophyllus*, *Aloe vera*, *Allamanda*, *Bombax cieba*, *Brassica nigra*, *Brassica rapa sub sp. campestris*, *Bryophyllum pinnatum*, *Carnation*, *Cassia fistula*, *Cuscuta reflexa*, *Date*, *Daucus carota*, *Ficus benghalensis*, *Illicium verum*, *Jasminum*, *Lawsonia alba*, *Melia azedarach*, *Moringa oleifera*, *Neem*, (fruits, leaves, oil, root, seeds, stem and twings), *Opuntia dillenii*, *Peganum harmala*, *Phlox drummondii*, *Polyalthia longifolia*, *Solannum xanthocarpum*, *Tithonia*, *Tagetes patula*, *T. erecta* and *Zea mays*.

2) Preparation of various physiologically important derivatives of the main alkaloid of *S. xantocarpum*, namely solasodine, alksloids of *P. harmala* e.g. harmine; mangiferin, xanthone of *B. ceiba*; patuletin, flavonoid of *T. patula* and simple aromatic compounds, acids, 8-hydroxyquinoline and pyridine as well as citric acid for the establishment of a correlation of their structure and activity relationship.

* The result was declared in February 1977 due to delayed University session.

For isolation and separation of various constituents chromatographic techniques (column, flash column, preparative thick layer, thin layer, paper chromatography, vacuum liquid chromatography, GC, GC/MS and HPLC) have been utilized, along with the classical methods.

For structure elucidation work, chemical as well as spectroscopic means were employed. The latter includes, infra red, ultraviolet, EI mass, GC, GCMS, ¹H-nmr, ¹³C-nmr and 2D-nmr spectroscopy.

FELLOWSHIPS Junior Research Fellow 1977-82 HEJ Res. Inst. of Chem.
Research Fellow 1982-87 HEJ Res. Inst. of Chem.
Senior Research Fellow 1987-89 HEJ Res. Inst. of Chem.

PUBLICATIONS One hundred and fifty two (152) research papers
In international journals (list attached).

PATENTS Eleven (11)

MEMBERSHIP 1) Scientific Society of Pakistan
2) Chemical Society of Pakistan

COURSE TAUGHT Delivered twenty one (21) lectures in Organic Synthesis II course held in the Institute, in 1992 for Ph.D. students.

For Ph.D. students gave lectures on Organic Synthesis II course in the Institute in 1994, 1995, 1996, 1998, 2000 and 2002.

RESEARCH STUDENTS

Name of the students	Topic	Degree awarded	Year	Position
1. Dr. Rubeena Saleem	Studies in the chemical constituents of <i>Moringa oleifera</i> Lam., and preparation of potential biologically significant derivatives of 8-hydroxyquinoline	Ph.D.	1996 (Oct. 1989-1995)	Associate Professor, Dr. HMI Institute of Pharmacology and Herbal Sciences, Hamdard University Madinat-al-Hikmat. Karachi, Pakistan E-mail: rs127pk@yahoo.com
2. Dr. Muhammad Ali	Studies in the chemical constituents of <i>Bombax ceiba</i> and <i>Cuscuta reflexa</i>	Ph.D.	2006 (April 1997-2004)	Assistant Professor, Federal Urdu University of Arts, Science and Technology, Gulshan-e-Iqbal, Karachi, Pakistan E-mail: versiani786@hotmail.com
3. Dr. Aneela Naz	Studies in the chemical constituents of <i>Tagetes erecta</i> , <i>Tagetes patula</i> and <i>Phlox drummondii</i>	Ph.D.	2006 (Dec. 1997-2004)	Senior Research Fellow H.E.J. Research Institute of Chemistry, University of Karachi, Karachi, Pakistan E-mail: anilanaz1@yahoo.com
4. Mr. Rashid Ali Khan	Studies in the chemical constituents of <i>Polyalthia longifolia</i> var. <i>pendula</i>	Ph.D. (has been evaluated)	October, 2004 (April 1997-2004)	Scientific Officer, Pharmaceutical Research Centre PCSIR Laboratories Complex, Shahrah-e-Dr. Slimuzaman Siddiqui, Off University Road Karachi, Pakistan E-mail: rashidalikhanpk@yahoo.com

5.	Mr. Irfan ullah	Isolation of antihypertensive constituents from <i>Brassica rapa</i> subsp. <i>campestris</i> linn.	M. Phil. (has been evaluated)	1998-2002	Manager, Paradise industrial corporation P.O.BOX No. 17048,k.e.p.z Karachi exports Processing zone, Karachi. Pakistan E-mail: irfanullah9@yahoo.com
6.	Sadia Zikr-Ur-Rehman	Isolation of bioactive chemical constituents from <i>Bombax ceiba</i> and <i>Aegle marmelos</i>	Ph.D. (submitted)	2007 (Dec.1999-2006)	Senior Research Fellow H.E.J. Research Institute of Chemistry, University of Karachi, Karachi, Pakistan E-mail: zrsadia@hotmail.com
7.	Najma Rasool Mughal	Phytochemical and Biological studies on <i>Polyalthia longifolia</i> var. <i>pendula</i>	Ph.D. (submitted)	2007 (April.2000-2006)	Senior Research Fellow H.E.J. Research Institute of Chemistry, University of Karachi, Karachi, Pakistan

Two students have completed their work for doctoral thesis and five students are doing their doctoral work on different research problems.

Three M. Phil. students have completed their research work on different topics.

M.Sc.

Since 1991 thirty three (33) M.Sc. students of Karachi University and Federal Urdu University of Arts, Science and Technology had completed their research work for M.Sc. theses on various topics.

PROJECTS (Funds Received)

Title of Projects	Amount / Period	Funding Agency
1 Studies in the chemical constituents of <i>Tagetes erecta</i> , <i>Tagetes patula</i> and <i>Phlox drummondii</i>	Rs. 5,46,000/- (March 2003-December 2004)	Higher Education Commission, Islamabad, Pakistan
2 Isolation of bioactive chemical constituents from <i>Bombax ceiba</i> , and <i>Aegle marmelose</i>	Rs. 10,14,000/- (March 2003- June 2006)	Higher Education Commission, Islamabad, Pakistan
3 Development of a novel and efficient method for the regioselective 4-acylation of pyridine and its derivatives; Phytochemical investigation on <i>Opuntia ficus-indica</i>	Rs. 10,14,000/- (March 2003- June 2006)	Higher Education Commission, Islamabad, Pakistan
4 Isolation of bioactive chemical constituents from <i>Tagetes patula</i> ; preparation of biologically important derivatives of 8-hydroxyquinoline	Rs. 10,14,000/- (March 2003- June 2006)	Higher Education Commission, Islamabad, Pakistan
5 Medicinal and pesticidal agents based on <i>Tagetes</i> species	Rs. 14,16,446/- (November 2003-October 2005)	Higher Education Commission, Islamabad, Pakistan
6 Mangiferin as an antihypertensive and antioxidant principle from <i>Bombax ceiba</i>	Rs. 912,000/- (2005-2006)	Pakistan Science Foundation, Islamabad, Pakistan (PSF Grant for Active Scientists)

SUPERVISOR	Selected as a Ph. D. supervisor in 2000 by University Grants Commission (HEC), Pakistan.
IMPACT FACTOR	147.6
CITATIONS	338, mentioned in the, 'Scientific Research in Pakistan', published by PCST (2001).
RANK	5 th (Chemistry discipline) in Pakistan as cited in the, 'Scientific Research in Pakistan', published by PCST (2001). 8 th (all the disciplines) in Pakistan as cited in the, 'Scientific Research in Pakistan', published by PCST (2001).
INCHARGESHIP	Garden incharge of H.E.J. Research Institute of Chemistry since May 1992. Garden incharge of Third World Centre of Science and Technology since its development in 1998. Garden incharge of Panjwani Center for Molecular Medicine and Drug Research since September 2003. Garden incharge of Latif Ebrahim Jamal National Science Centre, since its development in July 2005. Member Monitoring Committee of Quaid-I-Azam Mazar Management Board.
AWARDS	1) Civil Award, <i>Sitar-e-Imtiaz</i> was awarded on March 23, 2001 by President of Pakistan. 2) <i>Nishan-e-Azmat-o-Danish</i> was awarded on October 2000 by Karachi University Teacher's Society.