

PROFESSOR DR. FARRAKH ZIA KHAN

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BIO- DATA

1. Name: DR. FARRAKH ZIA KHAN
2. Father's Name: RIAZ AHMED KHAN
3. Date of Birth: July 10, 1948
4. Nationality: PAKISTAN
5. Marital Status: Married
Address:
36-B/3-Lawrence Road, Lahore

6. Qualifications:

B.Sc. Botany & Chemistry,
F.C. College, Lahore - 1967.

M.Sc. Botany, Government College, Lahore -
1969.

Ph.D. Botany (Plant Pathology)
University of Wales, U.K. -1977.

7. Experience:

**Professor of Pharmacognosy
(on contract),**
University College of Pharmacy,
University of the Punjab,
Lahore
from August, 2013 – todate

**Professor of Pharmacognosy
(on contract),**
University College of Pharmacy,
University of the Punjab,
Lahore
from July, 2008- July, 2010

Professor of Pharmacognosy,
University College of Pharmacy,
University of the Punjab,
Lahore from July, 2004 and
retired in July, 2008.

**Associate Professor of
Pharmacognosy,** University College of
Pharmacy, University of the Punjab,
Lahore
from January, 1994 to July, 2004

Assistant Professor of Pharmacognosy, University College of Pharmacy, University of the Punjab, Lahore
from February, 1982 to January, 1994

Lecturer of Pharmacognosy, University College of Pharmacy, University of the Punjab, Lahore
from December, 1979 to February, 1982.

Lecturer of Botany
F.C. College Lahore
From September, 1978 to December, 1979

Senior Research Officer, "Mushroom Project", University of Agriculture, Faisalabad, from December, 1977 to September, 1978.

Teaching/Research Fellow of Pakistan Science Foundation, Department of Plant Pathology, University of Agriculture, Faisalabad, from July, 1977 to December, 1977.

8. List of M.Pharm. and M.Phil. Theses supervised is attached.

9. **Conferences/Workshops/Seminars Attended:**

- Attended 5th International conference organized by Pakistan Pharmacist Association held in April, 1981 at Lahore.
- Attended 6th International conference organized by Pakistan Pharmacist Association held in April, 1983 at Lahore.
- Attended International Seminar on the Development of Pharmaceutical Services in Pakistan January 2-6, 1991.
- Attended one-day seminar on the role of Pharmacist in Healthcare in Pakistan on 26th August 1991.
- Attended 14th Asian Congress FAPA on 5-9 November, 1992 at Lahore.

- Attended International Conference organized by Pakistan Pharmacist Association held in January 2002 at Lahore.
- Attended International Conference organized by Pakistan Pharmacist Association held in March 2003 at Lahore.
- Attended 13th International Pharmacy Conference and Exhibition from 16th to 19th February 2006 at Lahore organized by Pakistan Pharmacist Association.
- Attended one-day National Pharmacy Conference NEPT (New Era in Pharmaceutical Trading) held on 12th April 2007 at the College of Pharmacy, University of the Punjab, Lahore.
- Participated and presented research papers entitled "Antioxidant activity of Seabuckthorn berry extract and "formulation and quality control of the tablets from the seabuckthorn berry extracts" in the International conference organized by Pakistan Pharmacists Association held in April 2009 at Lahore.

11. **Other Responsibilities/Assignments**

- (1) Head of Discipline of Pharmacognosy, University of the Punjab, Lahore
- (2) Member of Board of Studies in Pharmacy, University of the Punjab, Lahore in the capacity of Assistant Professor, Associate Professor and Professor.
- (3) Incharge of maintenance of attendances record of all the programs of the University College of Pharmacy.
- (4) Member of House Allotment Committee, University of the Punjab, Lahore.
- (5) Chairman, Development Committee, University College of Pharmacy, University of the Punjab, Lahore.
- (6) Chairman, Pharmacy Festival 2005-07 University College of Pharmacy, University of the Punjab, Lahore.
- (7) Member, Purchase Committee, University College of Pharmacy, University of the Punjab, Lahore.
- (8) Member, Book Fair Committee, University of the Punjab, Lahore 2008.

LIST OF RESEARCH PAPERS PUBLISHED IN FOREIGN JOURNALS.

1. F.Z. Khan and J.M. Milton
Phytoalexin production by lucerne (*Medicago sativa* L.) in response to infection by *Verticillium*.
Physiol. Plant. Patho., (Physiological & Molecular Plant Pathology) 7, 179-187 (1975). **(England)**
Impact factor: 1.79
2. J. Flood, F.Z. Khan and J.M. Milton
The role of phytoalexin in *Verticillium* wilt of lucerne.
Annals of Appl. Biol., 89, 329-332 (1978). **(England)**
Impact factor: 2.0
3. F.Z. Khan and J.M. Milton
Phytoalexin production & the resistance of lucerne (*Medicago sativa* L.) to *Verticillium*.
Physiol. Plant. Path. (Physiological & Molecular Plant Pathology), 13, 215-221 (1978). **(England)**
Impact factor: 1.79
4. F.Z. Khan and J.M. Milton
Some factors affecting the production of medicarpin & sativan by lucerne leaflets in response to *Verticillium albo atrum*.
Physiol. Plant. Path. (Physiological & Molecular Plant Pathology), 14, 11-17 (1979) . **(England)**
Impact factor: 1.79
5. M. Asif Saeed, F.Z. Khan and Abdus Sattar
Studies on the contact dermatitic properties of indigenous Pakistani medicinal plants Part-III: Irritant principles of *Ammi visnaga* L. seeds.
J. Fac. Pharm. Gazi Univ., 10(1), 15-23 (1993). **(Turkey)**
6. F.Z. Khan, M. Asif Saeed, M. Alam, A.R. Chaudhry and M. Ismail
Biological Studies of Indigenous Medicinal Plant-III: Phytochemical and antimicrobial studies on the non-alkaloidal constituents of some solanaceous fruits.
J. Fac. Pharm. Gazi Univ. 10(2) 105-116 (1993). **(Turkey)**
7. F.Z. Khan, M. Asif Saeed and Ejaz Ahmad
Pharmacognostic studies on natural products-I: Oxytocic activity and toxic effects of Globulins of Abrus seeds (Scarlet variety) in rabbits.
J. Islam. Acad. Sci. 6(2) 108-113 (1993). **(Turkey)**
8. A.R. Chaudhry, M. Alam, M. Ahmad, F.Z. Khan and N. Nomani
Studies on Medicinal Herbs-II: Effect of *Colchicum luteum* on biochemical parameters of rabbit serum.
Fitoterapia LXIV (6) 510-14 (1993). **(Italy)**
Impact factor: 2.345
9. A. Hamid, F.Z. Khan, Munir Ahmed and M.A. Qadeer
Probiotics in poultry production.
Bangladesh J. Sci. Ind. Res., 29(4) 1-12 (1994). **(Bangladesh)**
10. M. Asif Saeed and F.Z. Khan

- Studies on the Contact Dermatitic Properties of Indigenous Pakistani Medicinal Plants Part-V: Dermal irritating properties of *Ammi majus* seed constituents.
J. Fac. Pharm. Gazi Univ., 11(1), 17-24 (1994). **(Turkey)**
11. F. Zia Khan, M. Asif Saeed and M. Azhar Bashir
Defatted seed Meals as a protein source for the production of Penicillin-G. J. Fac. Pharm. Gazi Univ., 12(1), 73-81 (1995).
(Turkey)
12. F.Z. Khan, M.A. Saeed., M. Alam and Z. Iqbal
Studies on Medicinal Herbs-III: Pharmaceutico-Chemical and Antimicrobial Studies of *Salvadora persica* (Pilu).
J. Sci. Res. Plants and Medicine (India) XV(2) & XVI(1), 67-71 (1995). **(India)**
13. F.Z. Khan and M. Asif Saeed.
Phytochemical and Antimicrobial Studies of *Salvia splendens* Sello.
Acta-Pharmaceutica Turcica XLI(2) 72-77 (1999). **(Turkey)**
Impact factor: 0.912
14. S. Nawazish, Kh. Asim, F.Z. Khan, M. Ahmad and B. Ahmad.
Hypolipidaemic effect of Garlic (*Allium sativum*) and Vitamin E in Rabbits. Acta Pharmaceutica Turcica, 46: 223-323 (2004).
(Turkey)
Impact factor: 0.912
15. S. Saeed-ul-Hassan, F.Z.Khan and Farrah Deeba.
Study of Enzyme Activity for PEPSIN and its complexation with Dexamethasone and their characterization.
Acta Pharmaceutica Turcica, 47: 31-37 (2005). **(Turkey)**
Impact factor: 0.912
16. M. Zeeshan Danish, M. Jamshaid, A. Bashir, N.I. Bukhari, F.Z. Khan, K.Hussain, I. Aslam
Antihyperlipedemic Effect of the Sea-buckthorn Berry Extract, a Comparative In Vivo Study in Rabbits.
J. Pharmacy and Pharmacology, 62 (10): 1490-1491 (2010).
(England)
Impact factor: 2.264
17. Saadia Chaman, Nawazish-i-Husain Syed, Zeeshan Danish, Mobasher Ahmad & Farrakh Zia Khan.
Hepato- and Nephro-protective as well as Hypoglycemic Effects of Sea Buckthorn Berries (*Hippophae rhamnoides* L.) in Rabbits and Humans.
Lat. Am. J. Pharm. 30 (9): 1780-4 (2011)
Impact factor: 0.372
18. Shahid Rasool, Farrukh Zia Khan, Saeed ul Hassan, Mobasher Ahmed, Mansoor Ahmed & Rasool Bakhsh Tareen.
Anticonvulsant, Antimicrobial and Cytotoxic Activities of *Berberis calliobotrys* Aitch ex Koehne (Berberidaceae)
Trop J Pharm Res, November 2015; 14(11): 2031-2039
Impact factor: 0.589
19. Shahid Rasool, Farrukh Zia Khan and Mobasher Ahmad
Evaluation of anticonvulsant, antimicrobial and hemolytic activity of *Aitchisonia rosea*
Bangladesh J Pharmacol 2015; 10: 980-987

Impact factor: 1.052

20. Muhammad Younus, Farrakh Zia Khan, Sabira Sultana and Hafiz Muhammad Asif
Spectral analysis and antibacterial activity of methanol extract of roots of *Echinops echinatus* and its fractions
Journal of Microbial & Biochemical Technology 2016; 8(3): 216-221
Impact Factor: 0.59

LIST OF RESEARCH PAPERS PUBLISHED IN NATIONAL JOURNALS.

1. K.I. Khan, F.Z. Khan and S. Mahmood
Preliminary studies on antimicrobial activity of chewing sticks of Pakistan.
J. Pharm. Univ. Karachi, 4, 31-38 (1985).
2. M.A. Qadeer, O. Younus, S.R. Ashfaq and F.Z. Khan
Production of bacitracin by *Bacillus licheniformis*.
Pak. J. Sci. & Ind. Res., 31, 30-34 (1988).
3. K.I. Khan, F.Z. Khan and S. Manzoor
Biological studies of honey and its antimicrobial activity.
J. Pharm. Pb. Univ., 1(1 & 2), 19-30 (1988).
4. M. Asif Saeed and F.Z. Khan
Studies on the contact dermatitic properties of indigenous Pakistani medicinal plants Part-1: Irritant principles of castor oil (*Ricinus communis* L.) plant.
Sci. Int. (Lahore) 4(3) 291-294 (1992).
Impact factor: 0.75
5. F.Z. Khan, M. Asif Saeed, Hamaad Ahmed and M. Ahmed
The comparative evaluation of pectin from citrus fruit rinds.
Pak. J. Sci. Res., (43-44), 77-84 (1992).
6. F.Z. Khan, M. Alam and R. Saleem
Biological studies of indigenous medicinal plant-I: Physicochemical and antimicrobial screening of non-alkaloidal constituents of some solanaceous seeds.
Pak. J. Pharm. Sci., 5(1) 55-61 (1992).
Impact Factor: 0.682
7. Shahzad Hameed, Zaheer Ahmed, F.Z. Khan and Mahmood Akram
Callus culture of Rose hybrids Cvs. Diamond Jubly and Lans France.
Pak. J. Bot. 193-198 (1993).
Impact factor: **0.822**
8. M. Asif Saeed, F.Z. Khan and Zaheer-ud-Din Khan
Studies of the contact dermatitic properties of indigenous Pakistani medicinal plants Part-II: Screening of Lahore region plants for irritation on mammalian skin.
Biologia 39 (2) 81-91 (1993).
Impact factor: 0.827
9. M. Asif Saeed, F.Z. Khan and Abdus Sattar
Studies on the contact dermatitic properties of indigenous Pakistani medicinal plants Part-IV: Comparative irritant studies of various citrus fruit rinds on Albino Mice.

- Sci. Int. (Lahore), 5(2) 191-194 (1993).
Impact factor: 0.75
10. Azmat Rasheed, Mahbub Alam, Mohammad Tufaid and Farrukh Zia Khan Effect of different gums on some of the Liver and Cardiac functions in rabbits.
Hamdard Medicus XXXVI (4), 36-39 (1993).
 11. F.Z. Khan, M. Asif Saeed, Noor Mohammad and Hamid Saeed. A comparison of Antibacterial Spectrum of Pakistani Honeys.
Hamdard Medicus XL(1) 66-71 (1997).
 12. F.Z. Khan and M. Asif Saeed
Antimicrobial Potentials of the Constituents of *Sisymbrium irio* L.
Hamdard-Medicus XLIII(1) 22-28 (2000).
 13. F.Z. Khan, M. Asif Saeed and Mobasher Ahmed.
Isolation of heparin and its assay development.
Pak. J.Med.Res. 40 (4), 134-137 (2001).
 14. Taufiq Ahmed, Aurang Zeb, Shaheen Atta, Syed Nawazish-I-Husain, F.Z. Khan, Anwar Ahmed and S.A. Nagra
Effect of different fats and oils on post-prandial plasma Vitamin A level in human subject.
Pak. J. Pharm., Pb. Univ. Lhr. (Vol. 11-15), 19-25 (2002)
 15. S.Saeed-ul-Hassan and F.Z. Khan.
Purification of alkaline phosphate and determination of enzyme activity for purified and unpurified enzyme by colorimetric method.
Pak. J. Pharm., Pb. Univ. Lhr. (vol. 11-15), 91-95 (2002)
 16. F.Z. Khan, M.A. Saeed, K.I. Khan, S.S. Hassan and A. Rehman.
Optimization of Cultural Conditions of *Penicillium griseofulvum* for the production of Pencillin griseofulvin.
Hamdard Medicus, Karachi. XLVII (4) 68-75 (2004)
 17. S.S. Hassan, Surriya Naheed, F. Z. Khan, S. Atif Raza and Nisar-ur-Rehman. Stability of Sulphacetamide Sodium in Eye preparations.
Hamdard Medicus, Karachi XLVIII(4), 125-129 (2005)
 18. S.S. Hassan, F.Z. Khan, Shamila Saeed and Khawaja Tahir Mahmood.
Antibacterial studies of the extract of root of *Aconitum napellus* L.
Sci. Int. (Lahore). 19(3): 215-217 (2007).
Impact Factor: 0.75
 19. Saadia Chaman, Nawazish-i-Husain Syed, Zeeshan Danish & Farrakh Zia Khan
Phytochemical Analysis, Antioxidant and Antibacterial Effects of Sea Buckthorn Berries
Pak. J. Pharm. Sci., Vol 24 (3): 345-351 (2011).
Impact Factor: 0.682
 20. Nawazish-i-Husain Syed, Shamas Arshad, Amir Ali Rizvi Syed, Maqsood Ahmad, Farrakh Zia Khan & Bashir Ahmad.
A Comparative Study of Antioxidant Vitamins and Simvastatin in Hypercholesterolemia Rabbits.
Pak. J. Pharm. Sci., Vol.24 (4): 479-484 (2011).
Impact Factor: 0.682

M. PHARM. THESIS SUPERVISED

<u>Sr.No.</u>	<u>Title of Thesis</u>	<u>Name of Student</u>	<u>Session</u>
1.	Isolation and Biological Studies of <i>Hyoscyamus</i> Resin	Zafar Iqbal Awan	1983-84
2.	Classification and Screening of Natural Resins and Gums	Mohammad Aslam Javed	1983-84
3.	Studies en the Chemical Constituents of <i>Solanum</i> species	Miss Nighat Naseem Usmani	1984-85
4.	Isolation and purification of Berberine and formation of some derivatives	Waqar-ul-Aziz Ahmed	1984-85
5.	Studies of Non-alkaloidal components of <i>Hyoscyamus niger</i>	Miss Fehmida Bano	1984-85
6.	Studies of Non-alkaloidal Components of <i>Datura stramonium</i>	Abdul Waheed	1984-85
7.	Synthesis of Bacitracin by locally isolated <i>Bacillus licheniformis</i>	S. Rehman Ashfaq	1984-85
8.	Isolation and Antimicrobial activity of Non-Alkaloidal constituents of <i>Datura stramonium</i> seeds.	Naveed Ashraf	1985-86
9.	Production of Riboflavin by <i>Eremothecium Ashbyii</i> .	Tariq Ijaz	1985-86
10.	Isolation and Antimicrobial activity of Non-Alkaloidal constituents of <i>Datura fastuosa</i> seeds	Mohammad Shakoor	1985-86
11.	Physical and Biological analysis of fresh and locally available Honeys.	Farid Babar	1985-86
12.	Isolation and Antimicrobial activity of Non-Alkaloidal constituents of <i>Hyscyamus niger</i> seeds	Miss Robeena Saleem	1985-86
13.	Isolation and Antimicrobial Activity of Non-alkaloidal constituents of <i>Solanum nigrum</i> fruits.	Shafiq Ahmed	1985-86

M. PHIL. THESES SUPERVISED

<u>Sr.No</u>	<u>Title of Thesis</u>	<u>Name of Student</u>	<u>Session</u>
1.	Studies on the Antimicrobial principles of <i>Withania Somnifera</i>	Mohammad Ismail	1987-89
2.	Antimicrobial Activity of Non-Alkaloidal constituents of <i>Atropa belladonna</i> seeds	Miss Iram Rashid	1987-89
3.	Antimicrobial activity of Non-alkaloidal constituents of <i>Solanum xanthocarpum</i> fruits	Syed Qulb-i-Hussain Naqvi	1987-89
4.	Isolation and Assay of Heparin from local Animals	Mohammad Qaiser	1987-89
5.	Extraction and Evaluation of Pectin from Rind of citrus fruits	Hameed Ahmed	1987-89
6.	Studies of the Antimicrobial Principles of Pilu (<i>Salvadora Persica</i>)	Zafar Iqbal Awan	1988-89
7.	Propagation of Microbial Biomass as Probiotics	Munir Ahmed	1988-90
8.	Studies on the Tissue Cultures of cultivated Rose plants.	Shahzad Hameed	1988-90
9.	Studies of Physiochemical and oxytotic effects of Abrus seeds in Rabbits.	Ejaz Ahmad	1989-91
10.	Evaluation of Defatted oil seeds cakes in Penicillin formation by <i>Penicillium crysogenum</i> .	Mian Azher Bashir	1990-92
11.	Investigation of the Antimicrobial action spectrum of some Pakistani Honeys.	Noor Mohammad	1992-94
12.	Pharmacognostic and Antimicrobial studies of <i>Sisymbrium irio</i> .	Sulman Tauqir	1992-94
13.	Pharmacognostic and Antimicrobial studies of indigenous <i>Salvia</i> species	Mrs Attiya Ch.	1992-94
14.	Optimization of cultural conditions of <i>Penicillium griseofulvin</i> for the production of griseofulvin	Atiq-ur-Rehman	1997
15.	An ethno-Pharmacobotanical survey of medicinal plant in Northern Areas	Kifyatullah Khan	2003
16.	Phytochemical and Biological studies of <i>Eclipta alba</i> .	Aamna Iqbal	2006
17.	Phytochemical and Biological Studies of Seabuck Thorn (<i>Hippophae rhamnoides</i>)	Sadia Chuman	2008
18.	Antimicrobial Potentials of the <i>Echinops</i>	Muhammad	2008

	<i>echinatus</i>	Younas Khan	
19.	Antimicrobial Studies of the Constituents of <i>Peganum harmala</i>	Farah Batool	2008
20.	Phytochemical and biological studies of different extracts of Sea buckthorn (<i>Hippophae rhamnoides</i> L.) berries	Sahar Zahid	2014-2016
21.	Physicochemical analysis and biological characterization of <i>Habiscus rosa-sinensis</i>	Ayela Gul	2014-2016

PhD THESES SUPERVISED

<u>Sr.No</u>	<u>Title of Thesis</u>	<u>Name of Student</u>	<u>Session</u>
1.	Pharmacognostic, Phytochemical and Pharmacological investigation of <i>Aitchisonia rosea</i> and <i>Berberis colliobotrys</i>	Shahid Rasool	2010-2015