

Dr Fouzia Panhwar



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Research

Interest

- Study of vascular smooth muscle contraction and the underlying mechanisms in response to the vasoconstrictors.
- Study of potassium channels such as Kv, Katp channels in vascular smooth muscle.

Employment

Record

- *October 2005 – present*

Assistant Professor

University of Sindh Pakistan

Teaching undergraduates (B.Pharmacy) Pharmaceutical chemistry particularly biochemistry, and analytical chemistry; Pharmacognosy.

- *September 1999 – October 2005*

Lecturer

University of Sindh Pakistan

Teaching undergraduates (B.Pharmacy) Pharmaceutical chemistry particularly biochemistry, and analytical chemistry; Pharmacognosy.

- *1997 – September 1999*

Research Associate

University of Sindh Pakistan

Doing research and helping in conducting experiments of undergraduates and maintaining the laboratory protocols.

Education

- *2007- 2011*

PhD in Cell physiology (funded by IDB merit scholarship)

University of Leicester

“Investigation of the mechanisms of Uridine 5’ triphosphate induced contraction of rat mesenteric artery smooth muscle cells”

- *1996-1998*

Master of Pharmacy in Pharmaceutical chemistry (awarded the Silver medal)

University Sindh Pakistan

(Pass with 1st class 1st Position, received distinction and silver medal)

- *1991-1995*

Bachelor of Pharmacy

University of Sindh Pakistan

Pass with 1st Class and received distinction

Awards	<ul style="list-style-type: none"> • 2007-2011 IDB merit Scholarship For doing PhD in University of Leicester, UK. • 1998 Vice Chancellor's Silver Medal On academic distinction in M. Pharmacy • 1995 Presidential award On academic distinction in B. Pharmacy
IT Skills	<ul style="list-style-type: none"> • Highly proficient in Microsoft Word, Excel and PowerPoint. • Extensive use of statistical programme Graphpad PRISM for analysis of data • Experienced in use of SigmaPlot for making graphs and traces. • Experienced in use of pClamp 10.0 software for recording and analysis.
Technical skills	<ul style="list-style-type: none"> • Whole cell patch technique: <i>Experienced in the recording of Kv-I, NSCC and Katp current from acutely isolated mesenteric arterial smooth muscle cells.</i> • Myography: <i>Quite proficient in the use of dual channel wire myograph to get the contractile response of mesenteric arteries to various vasoconstrictors and vasodilators.</i> • Spectrophotometry: <i>Experienced in the use of UV/visible Spectrophotometric technique as well as flow injection spectrophotometric analysis during my research in M. Pharmacy.</i> • Chromatography: <i>Experience of Gas chromatography at certain extent however, very good in understanding the basis of chromatography including HPLC.</i> • Imaging: <i>I am also familiar with cell imaging.</i> • Dissection: <i>I am quite experienced in dissection of mesenteric arteries from Wistar rats.</i> • Cell isolation: <i>I am also quite experienced in enzymatic isolation of smooth muscle cells from mesenteric arteries.</i>
Communication Skills	<ul style="list-style-type: none"> • <i>Extensive teaching experience at undergraduate level in University of Sindh Pakistan and also conducted some tutorials at undergraduate level in University of Leicester UK.</i> • Experienced in delivery of written and oral reports to both academics and commercial audiences (departmental, national and international conferences). • Socially confident through conference presentations, committee responsibilities and leadership roles.
Team Work	<ul style="list-style-type: none"> • Conducted undergraduates (B.Pharmacy) lab experiments in small as well as large groups requiring careful and considerate team working to produce effective results. • Excellent communication and co-ordination skills were essential during my PhD and teaching career to utilise and liaise with different team members for successful experimental outcomes.

Responsibilities

- Experienced in research and teaching B. Pharmacy students and conducting experiments
- Casual teaching (tutorials) of 1st year and 2nd year BSC students in University of Leicester
- Worked as demonstrator (casual) to help 2nd year physiology practical.

Publications

- “Spectrophotometric method for the determination of chlorpheniramine maleate in tablets using Cd-Zincon complex as a reagent”. **Fouzia Panhwar** M. Anwar Memon, M. Usman Memon, M. Aslam Memon. *J. Scientific Sindh* 09:1-7, **2002**.
- “Flow injection Spectrophotometric determination of Aspirin in Tablets using Phosphomolybdic acid as a reagent” M.Aslam Memon, M.Anwar Memon, **Fouzia Panhwar**, M. Usman Memon .*pak.J.Anal. Chem.* Vol.3, No.1, (**2002**) 20-23.
- “Spectrophotometric determination of Ascorbic acid in tablets using Phosphomolybdic acid as a reagent” M. Aslam Memon, M. Anwar Memon, **Fouzia Panhwar**, M. Usman Memon. *J. Anal chem.* Vol. 3, No. 1, (**2002**) 17-19.
- “Flow Injection Spectrophotometric determination of Aspirin in tablets using mixed solvent system”. M. Anwar Memon, **Fouzia Panhwar**, M. Aslam Memon. *J. Sci. Int.* (Lahore), 11, (4), 421-423, 1999.

Personal Development**Courses (attended 2007-2011)**

- University of Leicester (March 2008)- Excel Intermediate / level 2
- University of Leicester (March 2008)- Excel 2003 Pivot Tables
- University of Leicester: (April 2008)- More about PowerPoint / level 2
- Kings college London (May 2009)- BPS statistics workshop
- University of Leicester: Presentation Skills

Courses / trainings / symposiums (attended 1995-2007)

- University of Sindh (1995) First all Pakistan symposium in “**Role of pharmacist in Health care system**”.
 - PMC Hospital Nawabshah Pakistan (June-Aug 1995) 200 hours training in **hospital pharmacy**.
 - University of Sindh (Sep 1998) Training course in **Spectroscopic techniques**.
 - Karachi (Nov 1998) IIIrd Career oriented Seminar on **Good pharmacy practice quality control / quality Assurance Manufacturing**.
 - University of Sindh (August 1999) Training course in **Analytical techniques**.
 - Karachi (June 2000) Seminar on **Spectroscopy** by BIORAD laboratories– USA.
 - University of Sindh (Aug 2001) Training course in **Analytical Techniques**.
 - University of Sindh (Jan 2002) Training course in **Computer and management skills**.
 - University of Sindh (March 2002) Training course in **Biotechnology**.
 - University of Sindh (April 2002) Training course on **Perkin Elmer Gas Chromatography and total chrom work station**.
 - University of Sindh (May 2003) 7th National Symposium on **Analytical and Environmental Chemistry**
 - University of Sindh (Dec 2003) In service training course in **Chemistry**
 - University of Sindh (Aug 2005) 8th International Symposium on **Analytical and Environmental Chemistry**
 - University of Sindh (2005) “Introduction to **digital library usage** and their effective usage”.
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