



Dr. Samreen Pervez (B.Pharmacy, M.Phil., Ph.D.)

Professor, Department of Pharmacy, Qurtuba University of

Science and Information Technology, Peshawar, Pakistan.

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PERSONAL DETAIL	
Name	Dr. Samreen Pervez
Postal Address	H no 197, SectorK1, Street no5, Phase III Hayatabad Khyber Pukhtunkhwa, Peshawar,Pakistan
Permanent address	H no 197, SectorK1, Street no5, Phase III Hayatabad Khyber Pukhtunkhwa, Peshawar,Pakistan
Nationality	Pakistan
Gender	Female
Language Known	English, Pashto, Urdu, Punjabi

EDUCATIONAL QUALIFICATION			
Course/Degree	Qualifying Year	College/University	Specialization
Ph.D	2020	University of Peshawar	Pharmacy
M.phil	2007	University of Peshawar	Pharmacy
B.Pharmacy	2000	University of Peshawar	Pharmacy
B.sc	1995	Frontier college for Women Peshawar	Science
HSSC	1993	PAF degree college	Premedical

SSC	1991	PAF school and degree college	Science
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* Securing highest CGPA in course work throughout the academic session 2003-2007 and 2012-2019 during M. Phil and PhD at Department of Pharmacy, University of Peshawar.

PROFESSIONAL REGISTRATION

- Registered Pharmacist with Pharmacy Council Khyber Pakhtunkhwa, Pakistan under the Registration No: 626-A/2001-PC, KPK.

ACADEMIC PROJECTS

M.phil Pharmacy (2003-2007)

Isolation identification and biological evaluation of stable secondary metabolites of *Euphorbia wallichii*.

The aim of the project was to explore *Euphorbia wallichii*. plant for the preliminary phytochemicals, isolation of secondary metabolites and to evaluate the crude extract, fractions and isolated compounds for pharmacological activities

PhD Pharmacy (2012-2019)

“Isolation of bioactive constituents and pharmacological activities of *Berberis Baluchistan Ica (Ahrendt)*”.

The aim of the project was to explore *Berberis baluchistanica(Ahrendt)* a wild edible fruit bearing plant for the preliminary phytochemicals, isolation of secondary metabolites and to evaluate the crude extract, fractions and isolated compounds for pharmacological activities such as antibacterial, antifungal, cytotoxicity, insecticidal, Hepatoprotective, analgesic, antipyretic, anti-inflammatory, etc.

TEACHING/PROFESSIONAL EXPERIENCES

Currently; working as **Professor**, Department of Pharmacy, Quaruba University of Science and information technology, Peshawar Pakistan.

Associate Professor, Department of Pharmacy, Faculty of Life Sciences, Gandhara University, Pakistan, January-2007- 8th Septembers 2021)

- **Production** Pharmacist, Stanley Pharmaceuticals Peshawar, Pakistan, 1st June 200-31st August, 2002)

PRODUCTION EXPERIENCE: 02 years, 2 months

- Quality control in charge, Cardex Pharmaceuticals Peshawar, Pakistan, August 2002- 2003 December

QUALITY CONTROL EXPERIENCE: 01year and 4 months.

- **M.Phil research Scholar,**

Department of Pharmacy, University of Peshawar, Pakistan, 2003-2007)

- **Ph.D Research Scholar**, Department of Pharmacy, University of Peshawar, Pakistan, 2012-2019)

TOTAL TEACHING/RESEARCH EXPERIENCE= 22+ Years

TRAINING AND WORKSHOP ATTENDED

1. Conference on Pharmacy as Profession: Challenges and Opportunities in the New Scenario, 2006, University of Peshawar, Baragali Campus.
2. National youth conference 2007, Islamabad Pakistan, Organized by Chamber of Commerce and Industry, Islamabad, Pakistan.
3. ASOMPS-XIV (Asian Symposium on Medicinal Plants and Spices), at International Centre for Chemical and Biological Sciences, University of Karachi, Pakistan.
4. Two-day workshop on GMP and GLP organized by sanely Pharmaceuticals
5. Poster Presentation in **National Conference on Emerging Trends in Pharmaceutical Science**
6. Two days' workshop free viral and blood groups scanning held at Gandhara university Peshawar

TECHNICAL SKILLS

HANDLING LAB. ANIMALS: Can handle Lab. Animals including, Mice, Rat, Rabbit, and Pigeon for any pharmacological activity.

COMPUTER SKILLS: Chem-Draw Software, MS-Office, EndNote, Microsoft Windows, MS-Power Point, etc.

STATISTICAL SKILLS: can utilize Graph Pad Prism, SPSS, etc. to analyze and evaluate various statistical results and descriptions.

CURICULAR and CO-CURRICULAR ACTIVITIES

1. Monitoring and **Supervising the Basic Health Unit**, GIMS (October 2017 till date)
2. **Volunteer member** of Blood Donor Society, University of Peshawar
3. Member of the "**Student Career Committee**", GIMS.
4. Incharge of the **Postgraduate Laboratory (Animal house and Bio-Assay section)**, Department of Pharmacy, Gandhara University Peshawar (2007to 2021).

RESEARCH PROFILE

Total Research Papers Published	18
Citation	385
Research Paper Submitted	1
Impact Points	25.05
Research Area/Interest	Pharmacology/Pharmacognosy/Pharmaceutical Chemistry/Toxicology/PhytoPharmacology

PUBLICATIONS

1. Khan H, Alam W, Alsharif KF, Aschner M, Pervez S, Saso L. Alkaloids and colon cancer: molecular mechanisms and therapeutic implications for cell cycle arrest. *Molecules*. 2022 Jan 28;27(3):920.
2. Ali A, Khan H, Kahrizi D, Pervez S, Alotaibi G, Rastrelli L. Nephroprotective effects of Helianthus annuus seeds extract in gentamicin induced nephrotoxic male mice. *Cellular and Molecular Biology*. 2022 May 22;68(1):1-7.

3. Pervez S, Saeed M, Khan H, Ghaffar R. Antinociceptive and anti-inflammatory like effects of *Berberis baluchistanica*. *Current Molecular Pharmacology*. 2021 Oct 1;14(5):746-52.
4. Pervez S, Saeed M, Ali MS, Fatima I, Khan H, Ullah I. Antimicrobial and antioxidant potential of berberisinol, a new flavone from *Berberis baluchistanica*. *Chemistry of natural compounds*. 2019 Mar 15;55:247-51.
5. Pervez S, Saeed M, Khan H, Shahid M, Ullah I. Nephroprotective effect of *Berberis baluchistanica* against gentamicin-induced nephrotoxicity in rabbit. *||| Bangladesh Journal of Pharmacology|||*. 2018 Jul 21;13(3):222-30.
6. Jawad M, Khan H, Pervaiz S, Bawazeer SS, Abu-Izneid T, Saeed M, Kamal MA. Pharmacological validation of the anxiolytic, muscle relaxant and sedative like activities of *Capsicum annuum* in animal model. *||| Bangladesh Journal of Pharmacology|||*. 2017 Dec 5;12(4):439-47
7. Bawazeer S, Khan H, Pervez S. In vivo antinociceptive and muscle relaxant activity of leaf and bark of *Buddleja asiatica* L. *Pakistan Journal of Pharmaceutical Sciences*. 2016 Sep;29(5):1509-12.
8. Ali M, Rauf A, Ben Hadda T, Bawazeer S, Abu-Izneid T, Khan H, Raza M, Ali Khan S, UA Shah S, Pervez S, Patel S. Mechanisms underlying anti-hyperalgesic properties of Kaempferol-3, 7-di-O- α -L-rhamnopyranoside isolated from *Dryopteris cycadina*. *Current topics in medicinal chemistry*. 2017 Feb 1;17(4):383-90.
9. Rauf A, Khan R, Raza M, Khan H, Pervez S, De Feo V, Maione F, Mascolo N. Suppression of inflammatory response by chrysin, a flavone isolated from *Potentilla evestita* Th. Wolf. In silico predictive study on its mechanistic effect. *Fitoterapia*. 2015 Jun 1;103:129-35.
10. Rauf A, Khan R, Khan H, Ullah B, Pervez S. Antipyretic and antinociceptive potential of extract/fractions of *Potentilla evestita* and its isolated compound, acacetin. *BMC complementary and alternative medicine*. 2014 Dec;14:1-6.
11. Khan MA, Khan H, Tariq SA, Pervez S. In vitro attenuation of thermal-induced protein denaturation by aerial parts of *Artemisia scoparia*. *Journal of Evidence-Based Complementary & Alternative Medicine*. 2015 Jan;20(1):9-12.
12. Khan H, Khan MA, Khan A, Tariq SA, Pervez S. Antipyretic activity of decoction of *Joshanda* and its saponin and sterol contents: validation in an animal-based model. *Journal of Evidence-Based Complementary & Alternative Medicine*. 2014 Apr;19(2):99-103.
13. Khan MA, Khan H, Tariq SA, Pervez S. Urease inhibitory activity of aerial parts of *Artemisia scoparia*: Exploration in an in vitro study. *Ulcers*. 2014;2014(1):184736.
14. Muhammad Qaisar MQ, Gilani SN, Shahid Farooq SF, Abdur Rauf AR, Rifat Naz RN, Shaista S, Samreen Perveez SP. Preliminary comparative phytochemical screening of *Euphorbia* species.
15. Muhammad Qaisar MQ, Gilani SN, Shahid Farooq SF, Abdur Rauf AR, Rifat Naz RN, Shaista S, Samreen Perveez SP. Preliminary comparative phytochemical screening of *Euphorbia* species.

16. Ali, M., et al. (2017). "Mechanisms underlying anti-hyperalgesic properties of Kaempferol-3, 7-di-O- α -L-rhamnopyranoside isolated from *Dryopteris cycadina*." Current topics in medicinal chemistry **17**(4): 383-390.
17. Qaisar, M., et al. (2011). "Studies of antifungal activity of *forsskalea tenacissima*." Journal of the Chemical Society of Pakistan **33**(5): 688-690
18. Qaisar M, Ahmad VU, Nisar M, Gilani SN, Pervez S. Biodirected isolation from *Forsskalea tenacissima*. Journal of the chemical society of Pakistan. 2008 Dec 1;30(6):854-9.

RESEARCH SKILLS & PROFICIENCY

1. Developing solvents system for efficient extraction from plants.
2. Highly sharp in handling solvents for further efficient fractionation from crude extract.
3. Developing solvent system for efficient isolation and purification of secondary metabolites using TLC (normal and reverse phase).
4. Have used all the stationary phases in chromatographic techniques such as normal phase silica, reverse phase silica, sephadex, alumina etc.
5. Have used preparative TLC of both phases and developed solvent system of same polarity compounds.
6. Have used preparative HPLC for purification of secondary metabolites.
7. Have made the reagents such as ceric sulphate solution, Dragendorff solution.
8. Detection of secondary metabolites *via* HPLC fingerprinting.
9. Screening of secondary metabolites for *In-vitro* biological activities such as antibacterial, antifungal, phytotoxic, Cytotoxic, insecticidal, invitro anthelmintic.
10. Handling all lab based animals for any pharmacological activity.
11. Dosage form development from non-water soluble drugs for animals based study.
12. Screening of secondary metabolites *In-vivo* biological activities including Hepatoprotective, antipyretic, analgesic, anti-inflammatory, laxative etc.
13. Any research activity based on Power Lab, Kymograph, Tissue Organ Bath, UV Spectrophotometer, Rotary Evaporator, Thin layer Chromatography, HPLC (with multiple detectors).
14. Can utilize statistical skills and software like Graph Pad Prism, SPSS, Statistics Software, Excel etc to analyze and evaluate various statistical results and descriptions. Can also use Endnote for Bibliography and Literature Review.

15. Pharmacy practices research skill like drug prescription patterns, pharmacoeconomic evaluation, polypharmacy, rational and irrational use, medication management, self-medication, pharmaceutical care etc.: also involved in supervision of students at undergrad level.