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PERSONALS

Father's Name: Mr. Asar Ali
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Postal Address: Department of Chemistry,
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OBJECTIVES

I am keen to embark on a career where, I can serve in a challenging and dynamic environment towards a successful career, making the best out of my professional abilities and intellectual skills. Qualified for challenging and decision making assignments, I see myself as an active member of a team of dedicated and ambitious people working on projects related to method developments in Phytochemistry and thereby enhance my knowledge and personality. I have a strong motivation to pursue career in frontier areas of Isolation, Characterization of Organic Compounds and testing them for various biological activities.

PERSONAL SKILLS

Effective leadership, communication & interpersonal skills with strong analytical and problem solving abilities, Excellent interpersonal skills for coaching less experienced staff, the skills necessary to influence and interact effectively with project teams to provide the best solutions, the ability to coach and mentor others, the willingness and ability to work under tight deadlines, the ability to be a solid team player and has the ability to work effectively with people whom different backgrounds and skills. Dependable, with sense of responsibility, hardworking, creative

and dynamic professional known for crisis prevention and problem solving skills in operations.

ACADEMIC QUALIFICATIONS

Exam	Session	Marks	Division	Subjects	Board/University
Ph.D	2010	Chemistry		Organic Chemistry	University of Peshawar
B. Ed	2001	649/1000	1 st	Educational , psychology, management and curriculum	University of Peshawar
M.Sc	1998	793/1200	1 st	Organic Chemistry	University of Peshawar
B. Sc	1996	317/550	2 nd	Science Subjects	University of Peshawar
F.Sc	1994	631/1100	2 nd	Pre-Medical	BISE Swat
S.S.C	1992	494/850	2 nd ,	Science	BISE Swat

RESEARCH EXPERIENCE

- Isolation of natural products using normal and reverse phase chromatography.
- Phytochemical Investigation and isolation of Withanolides from *Physalis divericata*.
- Phytochemical Investigation and isolation of Withanolides from *Withania coagulans*.
- Isolation and Characterization of Xanthenes from *Hypericum oblongifolium*.
- GC-MS analysis of lipophilic and hydrophilic extractives of various species belonging to family Pinaceae.

- Establishing antioxidant and antimicrobial protocols for analyzing various extracts and pure compounds.
- Spectral interpretation of the molecular structures of complex organic compounds.

TEACHING EXPERIENCE

- One year experience in teaching of organic spectroscopy at M. Sc level at Government Jehanzeb Post Graduate College, Swat Pakistan.
- Four months teaching experience as visiting lecturer in Chemistry Department of Geology University of Peshawar
- Working as Assistant Professor at Department of Chemistry University of Malaknd since may, 28, 2010.

LABORATORY EXPERIENCE

- Three years Experience as quality control chemist at Swat pharmaceuticals Swat Pakistan (July, 1998 to March, 2001)
- Two years Experience as quality control chemist at Medicon Laboratories Peshawar Pakistan (April, 2001 to June, 2003)
- Eighteen months Experience as quality control Manager at Swat pharmaceuticals Swat Pakistan (August, 2003 to January, 2005)
- Five months research experience at University of Bradford, UK from February to June, 2009.
- Demonstrating and supervising practical work to master students at Institute of Chemical Sciences, University of Peshawar, Peshawar Pakistan (March, 2005 to 2009).

ACQUIRED WORKING SKILLS

- Chromatography both normal and reverse phase.
- NMR Spectroscopy with the following techniques:
 - How to make a sample for NMR analysis
 - How to operate NMR spectrometer

- How to run NMR spectra
- How to process NMR spectra on various soft wares
- How to fill Helium and Nitrogen in to NMR magnet
- How to interpret the spectra.
- Gas Chromatography (preparation of samples, instrumentations and interpretation)
- UV-VIS Spectroscopy (preparation of samples, instrumentations and interpretation)
- IR Spectroscopy (preparation of samples, instrumentations and interpretation)
- Mass Spectrometry (interpretation)
- HPLC (preparation of samples, instrumentations and interpretation)

- Computer & Chemistry software
 Can search for Chemical literature using Literature databases Scifinder, Web of Science, Scirus, Pub med, and can work on various general and chemistry soft ware's e.g. Microsoft Office Applications, Power point , Chemdraw, Chemwindow, Chems sketch, Modeler and Autodock)

RESEARCH INTERESTS

- Establishment of methods for biological screening of natural products.
- Synthesis and evaluation of Organic compounds with promising properties and applications in Medicinal chemistry.
- Bioassay guided phytochemical investigation of Medicinal plants involving Isolation, Characterization and biological screening of Natural compounds as potential therapeutic agents.

CONFERENCE /SEMINARS ATTENDED

- Training of Trainers in Plant Biodiversity from November 23 to 25 November 2006, organized by Higher Education Commission and the University of Peshawar Botanical Garden.

- Participating in the refresher course “Bioinorganic medicinal chemistry” may,2006 at Institute of Chemical Sciences, University of Peshawar.
- presentation of paper in First international conference organized by Department of chemistry and biochemistry at University of Baluchistan Queta Pakistan on April,16-18,2007.
- presentation of paper in 18th national conference of Chemistry and Biochemistry organized by institute of chemistry University of Punjab Feb 26-28, 2008
- presentation of paper in symposium on Recent Trends in Indigenous Chemical Research and Awareness on Data Presentation organized by Institute of Chemical Sciences University of Peshawar July 23-27, 2009
- Presenting a seminar on “The Use of Endnote in Text Citation and Bibliography” at Department of Pharmacy University of Peshawar on January 5, 2010.

RESEARCH PUBLICATIONS

- Reija Harlamow, **Mumtaz Ali**, Maarit Karonen, , Mohammad Arfan, Markku Reunanen, Stefan Willför. Extractives in bark of different conifer species growing in Pakistan. *Holzforschung*, 63, (2009), 545-50
- Chao-Feng Huang, Lei Ma, Li-Juan Sun, **Mumtaz Ali**, Mohammad Arfan, Jian-Wen Liu, and Li-Hong Hu Immunosuppressive Withanolides from *Withania coagulans*. *Chemistry Biodiversity*,6, (2009), 1415-26
- Lei Ma, **Mumtaz Ali**, Mohammad Arfan et al. Withaphysanolide A, a novel nor withanolide skeleton and other cytotoxic Compounds from *physalis divericata*., *Teterahedran letters*,48, (2007), 449-452
- S. Willför H. Hafizoglu, I. Tümen, H. Yazici, M. Arfan, **M. Ali** and B. Holmbom Extractives of Turkish and Pakistani Tree Species. [*Holz.Roh. Werkstoff*](#), 65, (2007), 215-221
- Mohammad Arfan, **Mumtaz Ali**, Habib Ahmad, Itrat Raza, Raza Shah, Mohammad Ajmal and Mohammad Iqbal Choudhary., Urease inhibitors from *Hypericum oblongifolium* Wall. *Journal of Enzyme Inhibition And Medicinal Chemistry*, 25,296-99 (2010)

REFERENCES

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