

PROF. DR. AZIM KHAN KHATTAK

Father's Name: Rasool Khan Khattak

Date of birth: 01-06-1961

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RESEARCH INTERSTS:

- (i). Surface Chemistry
- (ii) Organometallic Chemistry

ACADEMIC QUALIFICATIONS

Degree/Certificates	University/Board	Year/Session
Ph.D.	Quaid-i-Azam University, Islamabad (Pakistan)	(Oct., 1998)
Thesis Title	Preparation and Surface Characterization of Metal Impregnated Alumina Catalysts	
Supervisor	Dr. Muhammad Afzal	
M.Sc.	(Inorganic Chemistry), Gomal University, D.I. Khan (Pakistan)	(1983-1985)
B.Sc.	University of Peshawar (Pakistan)	(1980-1982)
F. Sc.	B.I. & S. E. Peshawar	(1977-1979)
S.S.C.	B.I. & S. E. Peshawar	(1975-1977)

AWARDS:

Post-Doctorate (Germany): HEC Fellowship 9 months (Mar.2004—Dec. 2004).

Topic: Organometallic Chemistry dealing with Silicon (Si), Tin (Sn) and Boron (B) Compounds

Supervisor: Prof. Dr. Bernd Wrackmeyer, University of Bayreuth, **Germany**

M.Sc: 2nd position in the Department and 1st position in the section of Inorganic Chemistry.

S.S.C Presidential Scholarship Holder

TEACHING EXPERIENCE:

- Lecturer:** Teaching & Research, Department of Chemistry, Gomal University, D.I. Khan (February 04, 1986 – January 18, 2002)
- Assistant Prof:** Teaching & Research, Department of Chemistry, Gomal University, D.I. Khan (January 19, 2002-January 03, 2008).
- Professor:** January 04, 2008 till the date.

ACADEMIC CONFERENCES ATTENDED/ORGANIZED

- (i). **3rd National Chemistry Conference, Dec. 22-23, 1991**, organized by the Department of Chemistry, Gomal University D.I. Khan, Pakistan,
- (ii) **5th National Chemistry Conference, Oct.25-28, 1993**, organized by the Department of Chemistry, Quaid-i-Azam University, Islamabad,
- (iii). **5th International Symposium on Advance Materials, Sep. 21-25 1997**. Holiday Inn Hotel, Islamabad, Pakistan,
- (iv) **7th International & 17th National Chemistry Conference, February 26-28, 2007**, organized by the Department of Chemistry, Gomal University, Dera Ismail Khan

Research Students Supervised

- Mr. Aftab Ahmad M.Phil Research Student (Thesis Registered)
Mr. M. Ali Saeed M.Phil Research Student (Thesis Registered)
Miss. Rukhsana Gul Ph. D (Indigenous) (Thesis Registered).
Mr. M. Riaz Khan Ph.D (Indigenous) (Thesis Registered).

Administrative Experience

- (i). Warden University Hostels, 1991-1992
- (ii). Teacher Staff Proctor, 16/08/1989-16/12/1990
- (iii). Warden University Hostels, 2000-2004
- (iv). Teacher Staff Proctor, 2002-2003
- (v). Treasurer GUASA 2001-2002
- (vi). Warden University Hostels, 25/08/2005-till date
- (vii). Member Housing Allotment Committee 01/10/2005-18-11-2010
- (viii) Member Senate Gomal University, elected on 12/12/2005
- (ix). Teacher Staff Proctor, 01/10/2005 till date
- (x). Convener Housing Allotment Committee, 19/11/2010-till date
- (xi) Presently working as Chairman, Department of Chemistry from 16-09-2011

Complete List of Publications of Prof. Dr. Azim Khan Khattak, Department of Chemistry, Gomal University, Dera Ismail Khan

- (1). Uzma Habib, Amin Badshah, Ulrich Florke, Rizwana Aleem Qureshi, Bushra Mirza, Nazar ul Islam & **Azim Khan**, "Synthesis and Structural Characterization of (2,4-Diamino-5, (3',4',5'-Trimethoxybenzyle) Pyrimidine Copper (II) Complex". J.Chem Crystallography (2009), 39,730-734.
- (2). Uzma Habib, Amin Badshah, Ulrich Florke, Rizwana Aleem Qureshi, Bushra Mirza, Nazar ul Islam & **Azim Khan**, "Synthesis of (2,4-Diamino-5-(3',4',5'-Trimethoxybenzyle) (Pyrimidine) Copper (II) complex at 20-25⁰C and its Structural Characterization. J.Chem.Crystallography (2009), 39,607-611.
- (3). Aftab Ahmad, **Azim Khan**, Saqib Ali and Masood Pervez, "Bis (cyclopentenylacetato)teteraethyl-distannoxane dimer" Acta Crystallographica, E-62, M-1088 (2006), U.K.
- (4). Aftab Ahmad, **Azim Khan**, Saqib Ali and Masood Pervez, "Bis (cyclopentenylacetato)teteramethyl-distannoxane dimer" Acta Crystallographica, E-62, M-1167 (2006), U.K.
- (5). Aftab Ahmad, **Azim Khan**, Saqib Ali and Masood Pervez, "Catena-Poly [[tri-n-butyltin (IV)-μ-cyclopent-2-enylacetato-κ² O:O]" Acta Crystallographica E-62, M-1992, (2006), U.K.
- (6). Bernd Wrackmeyer, Oleg L. Tolk, Wolfgang, **Azim Khan** and Amin Badshah, "1-Silacyclopent-2-enes and 1-Silacyclohex-2-enes Bearing Functionally Substituted Silyl Groups in 2-Position. Novel Electron-Deficient Si-H-B Bridges" Appl. Organometal. Chem., 20, 99 (2006), GERMANY.
- (7). Bernd Wrackmeyer, Oleg L. Tolk, **Azim Khan** and Amin Badshah, "1,1-Organoboration of Silyl ethynyl Compounds Studied by Multinuclear Magnetic Resonance Spectroscopy. Isomerization at the C=C Bonds and Electron-Deficient Si-H-B Bridges" Appl. Organometal. Chem., 19, 1249 (2005), GERMANY.
- (8). Bernd Wrackmeyer, Oleg L. Tolk, **Azim Khan** and Amin Badshah, "1,1-Ethylboration of Di(alkyn-1-yl)silanes with two and three Si-H functions. New Silacyclopentadienes" Z. Naturforsch., 60b, 251 (2005), GERMANY.
- (9). **A. K. Khattak**, K. Mahmood, M. Afzal, M. Saleem and R. Qadeer, "Thermodynamic Studies of Methanol Adsorption on Metal Impregnated γ-Alumina Samples" Colloid and Surfaces A: Physicochem. Eng. Aspects, 236, 103 (2004), NEATHERLAND.

- (10) G. Yasmeen, H. Hafeez, N. Ikram, T.M. Ansari, **A. K. Khattak** and M. Afzal, "Thermodynamic Studies on Adsorption of Methanol Vapors on Metal-Exchanged Zeolite-A. Pak. J. Anal. Chem., 5(2) 68 (2004), **PAKISTAN**.
- (11) G. Yasmeen, H. Hafeez, N. Ikram, T.M. Ansari, **A. K. Khattak** and M. Afzal, "Characterization of Metal-Exchanged Zeolite-A using Quantasorb and Mercury Porosimeter, Pak. J. Anal. Chem., 5 (1) 07 (2004), **PAKISTAN**.
- (12). K. Mahmood, A. Saeed and **A. K. Khattak**, "Effect of Nature of Solvent on Viscosity of Polymethyl methacrylate (PMMA)," Jour. Chem. Soc. Pak., 25 (1), 16 (2003), **PAKISTAN**.
- (13). **A. K. Khattak**, K. Mahmood, M. Afzal, M. Saleem and R. Qadeer, "X-Ray Diffraction and Mercury Porosimeter Examination of Metal Impregnated γ -Alumina Samples" Jour. Chem. Soc. Pak., 25 (2), 75 (2003), **PAKISTAN**.
- (14). **A. K. Khattak**, K. Mahmood, M. Afzal, M. Saleem and G. Yasmeen, "Comparative Study of the Adsorption of n-Aliphatic Alcohols on Metal Doped Alumina Samples", Separation Science and Technology, 37, 1431 (2002), **U.S.A.**
- (15). **A. K. Khattak**, M. Afzal, M. Saleem, G. Yasmeen and R. Ahmad, "Surface Modification of Alumina by Metal Doping" Colloid and Surfaces A: Physicochemical and Engineering Aspects, 162, 99 (2000), **NEATHERLAND**.
- (16). M. Afzal, G. Yasmeen , M. Saleem, P.K.Butt, **A. K. Khattak** and J. Afzal, "TG and DTA Study of the Thermal Dehydration of Metal-Exchanged Zeolite-4A Samples" Journal of Thermal Analysis and Calorimetry, 62, 721(2000), **HUNGARY**.
- (17). **A. K. Khattak**, M. Afzal, M. Saleem, G. Yasmeen and J, Afzal, "Adsorption of n-Aliphatic Alcohols in the Determination of Surface Areas of Metal Doped Alumina Samples" Adsorption Science & Technology, 17 (3) 181 (1999), **UK**.