

## ***Dr. Muhammad Abdul Qadir***

**Institute of Chemistry, University of the Punjab, Lahore-54590 Pakistan**

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Cell Phone: 0333-420-5880 Res: 042-35155146

### **Personal Information:**

Professor of Analytical Chemistry: 23 Dec, 2011

Nature of Service: Regular Service (BPS- 21)

Date of Birth: April 1, 1964

Date of Retirement: March 31, 2024

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### **Post-Doc Work**

- Development of New Mass Spectrometric Based Procedures for Improved Characterization of Canadian Site with Dioxin and Furan Contaminated Soil and Sediments. Centre for environmental science and management Ryerson University, Ontario, Canada: 2010
- Kinetic Studies of the Oxidation products of VOC generated in photo-chemical smog chamber under controlled conditions by using Quadruple Ion Trap Mass Spectrometry (qTOFMS). Centre for Atmospheric Chemistry, York University, Toronto, Canada: 2008-2009
- Release Mobilization and transportation of nutrients and pollutants from Sediments in rivers and dammed Reservoirs following dam removal. Department of Civil and Environmental Engineering and Geodetic Science, Ohio State University, Columbus Ohio, USA: 2004

**Ph.D:** Institute of Chemistry, University of the Punjab, Lahore - Pakistan 1994

**M.Sc:** Institute of Chemistry, University of the Punjab, Lahore - Pakistan 1988

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### **Academic Appointments**

#### **Professor**

2011- to date: Institute of Chemistry, University of the Punjab, Lahore, Pakistan.

#### **Associate Professor**

2002-2011: Institute of Chemistry, University of the Punjab, Lahore, Pakistan.

#### **Assistant Professor**

1998-2002: Institute of Chemistry, University of the Punjab, Lahore, Pakistan.

#### **Lecturer**

1996-1998: Institute of Chemistry, University of the Punjab, Lahore, Pakistan.

#### **Research Officer/R.S**

1991-1996: Institute of Chemistry, University of the Punjab, Lahore, Pakistan.\_

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### **Professional memberships**

- Canadian Society for Chemistry (CSC)
  - American Geographical Union (AGU)
  - American Ecological Engineering Society (AEES)
  - American Chemical Society (ACS)
  - Member organization committee, 18<sup>th</sup> National Chemistry Conference of Chemical Society of Pakistan being held on 25-27 Feb. 2008
  - Member Organization committee on River Restoration and Dam Removal at the Ohio State University, USA, 12-16 Sep.2004
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### **Undergraduate courses taught**

Chromatography, Atomic and Molecular Spectrometry, Periodicity and chemical reactivity, Solid, Liquid and Gas. Chemical kinetics and Chemical equilibrium

## **Graduate courses taught**

HPLC, GC, GC-MS, AAS, ICP-AES, INAA, FTIR and Raman Spectrometry, Alpha and Gamma Spectrometry Chemistry of Lanthanide and Actinides Solvent extraction, Gels and Emulsions, Chemical Kinetics, Liquids, Quantum mechanics, Gases and solids, Chemical Process Industries, Statistical methods of Analysis, Conductometry, Oscillometry, Potentiometry, Polarography, Thermal methods of analysis, Automation and Laser Spectrometry. MOT, VBT, Pi -Acceptor ligands, Organo-metallic compounds etc. Lab works. Electrophoresis, Chromatography and solvent extraction

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## **Analytical Skills**

Working experience on various models of HPLC, GC, INAA, AAS, ICP-AES, XRF, UV/VIS, FTIR, TOF-MS, Solid State Nuclear Track Detector, TGA/DTA and SEM and electro- analytical techniques

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## **Conferences and Workshops**

1. Attending 1<sup>st</sup> International Conference on Applied Chemistry (ICAC 2015) Jeddah, 18<sup>th</sup>-19<sup>th</sup> November 2015.
  2. Participated in 25<sup>th</sup> National and 13<sup>th</sup> International Chemistry Conference, Institute of Chemistry, University of the Punjab, Lahore-Pakistan: October 20-22, 2014
  3. 93<sup>rd</sup> Canadian Chemical Society, Chemistry Conference June 2010, Toronto convention Centre, Toronto, Canada.
  4. Advances in Mass Spectrometry August 13, 2010, organized by Mass Spectrophotometric group, Sheraton Hotel, Toronto, Canada.
  5. 92<sup>nd</sup> Canadian Chemistry Conference and Exhibition May 30-June 3, 2009.
  6. AGU Joint Assembly, Toronto May 24-27, 2009.
  7. Member organization committee, 18<sup>th</sup> National Chemistry Conference of Chemical Society of Pakistan being held on 25 to 27 Feb. 2008.
  8. Member Organization committee on “ River Restoration and Dam Removal at the Ohio State University, USA,” 12 to 16/8/2004, “Sedimentation analysis at Sanduski River before and after Dam Removal.
  9. Ecological Engineering Workshop at Arkansas University USA, 20-25/10/2004: Release, Mobilization and Transportation of pollutants and nutrients in sediments”.
  10. Environmental Chemistry and Geochemistry, Kuala Lumpur, Malaysia, 14-20/07/1999, Physical and Chemical analysis of Aerosols in the Atmosphere of Lahore.
  11. Attended the Workshop on Environmental and Analytical Chemistry at Lahore on 24/2/1992 to 02/3/1992 arranged by National Academy for Higher Education (NAHE).
  12. Attended the Workshop on Computer Application in Chemistry on 1/1/1994 to 6/1/1994 at Islamabad organized by NAHE.
  13. Attended the Workshop on PC's Hardware Maintenance from 27/9/1993 to 3/10/1993 organized by NAHE.
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## **Research Projects and grants**

1. Project title: “Extraction of Amino Acids from Chicken Waste Feathers and their Applications  
Funding Agency: University of the Punjab, Lahore.  
Research Grant: 0.25 million.
2. Project title: Evaluation of Trace Elements in Aerosols and Their Effects on the Environment of Punjab Area in Pakistan  
Funding Agency: Pakistan Science Foundation  
Research Grant: 0.5 million.  
Duration: 3 years.
3. Project title: Production of High purity materials and alloys”.  
Funding Agency: University of the Punjab  
Research grant: 0.1 million.

4. Project title: Development of catalysts for fuel cells  
Funding Agency: University of the Punjab  
Research grant: 0.1 million.
  5. Project title: Monitoring and modeling water quality and quantity in selected watersheds in Pakistan to identify sustainable water resources.  
Funding Agency: Pakistan-United States Science and Technology Cooperative Program  
Research Grant: US\$ 2.3 Million  
Duration: Three Years.
  6. Project title: Synthesis of Silver nanoparticles and their antimicrobial activity”  
Funding Agency: University of the Punjab  
Research Grant: 0.2 million 2011-12
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## **University Involvements**

- a. Member Academic Council, University of the Punjab, Lahore.
  - b.Coordinator Ph.D/MS program.
  - c.Member Departmental DPCC committee
  - d. Industrial/Excursion tours planner and tour advisor.
  - e. Member Admission Committee.
  - f. Member Curriculum and Syllabus Committee.
  - g. Member Board of Studies.
  - h. Member Board of Faculty of Science.
  - i. Assistant Superintendent Hostels.
  - j. Member Library books and Journals affairs committee.
  - k. Member Student Fellowships Committee.
  - l. Member student welcome and farewell organization committee.
  - m. Member Annual Dinner Committee.
  - n. Member scholar ship committee.
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## **University Service**

More than 24 years of teaching and research experience at the Institute of Chemistry, University of the Punjab, Lahore

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## **Thesis supervised**

Total No of Research Students Supervised in last 10 years is more than 100. On the average 6-13 students are supervised each year.

## **PhD Thesis supervised**

1. Asrar Ahmad, Production of high purity materials by using free electrolytic diffusion apparatus, 2008
2. Nisar Ahmad, Studies of Pozzolanic materials and their use as an additive in Portland Cement 2013
3. Qaisar Nadeem, Development of Novel Radio-Labeled Polydentate Ligands as Potential Diagnostic Probes, 2013.

### **PhD Thesis under supervision**

1. Mahmood Ahmad, Synthesis, Characterization, Novel Curcumin and their biological activities.
2. Muhammad Akbar, Analysis and Processing of Low Quality Indigenous Coals for Clean Energy.
3. Rana Asif Nadeem, Synthesis and Characterization of Novel Anti-Cancer Agents.
4. Syed Azhar Ali Tirmizi, Development and Characterization of supramolecules
5. Ms. Saliha Mahmood, Synthesis, Characterization and Pharmaceutical Studies of Sulfonamides Derived Through Amino Acids.
6. Ms. Maria Saleem, Targeted Drug Delivery of Interferon Using Nano-Technology for the Treatment of Hepatitis B and C.
7. Ms. Hajira Rehman, Synthesis of Novel Derivatives of Sulfonamides drugs.
8. Ms. Sumera Noreen, Synthesis of slow release medicine composites material.
9. Syeda Kiran Shahzadi, Modification and Pegylation of human interferon – alpha2b for enhanced biological activity.

### **M.Phil Thesis supervised**

1. Mir Rumman Khalil: Synthesis, Characterization and Application of Rhodamine B derivatives for visualization of Latent fingerprints 2015.
  2. Yasir Aslam: Synthesis, Characterization and Antimicrobial Studies of new sulfonamides derived through Isonizide 2015.
  3. Fatima Akbar: Novel Drug Derivatives of Ethionamide synthesis characterization and anti-microbial activity 2015.
  4. Anum Khaleeq: Synthesis and Characterization of Some Novel Heterocyclic Sulfa Drugs; 2013.
  5. Mahmood Ahmad: Optimization and validation of RP-HPLC methods; 2013.
  6. Shabnam Shahzad: Synthesis of Tc-fluoroquinolone as Infection Imaging; 2013
  7. Nazish Awan: Synthesis, Characterization and Release Studies of Human Serum Albumin conjugated with Polyethylene Glycol; 2013
  8. Shahid Bashir: Green Synthesis of Silver Nano Particles; 2012
  9. M.Iqbal: Synthesis and Characterization of Some Novel Sulphonamides Derived Through the Condensation of Some Pharmaceutical Drugs; 2012.
  10. S. Nadeem Abbas: A study of the interaction of various metals with DNA containing human gene Interferon alpha 2; 2005.
  11. Asif Masud: Organo-Phosphorous Compounds Derived from Natural Products Year; 2003.
  12. M. Shahbaz: Anti-inflammatory effects of Compounds derived through condensation of various Pharmaceutical; 2003
  13. M.Nawaz: Synthesis of Various organo-phosphorous Compounds; 2001
  14. Shoukat Hayat: Synthesis of some novel Quaternary Ammonium Salts; 2001.
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### **M.Phil Thesis under supervised**

1. Tayyaba Habib, Synthesis, Characterization and microbial activities of some new sulfonamides derived through urea and carbazide.

## Research and Creative activity

1. Development of free electrolytic diffusion apparatus for the separation of complex materials : A Separation technique for the next generation
  2. Characterization of aerosols in the Atmosphere (TSPs, Size distribution and chemical analysis of aerosols)
  3. Development of New Drug Sulphonamide Derivatives and their application as anti-microbial and antifungals, antitumor and anticancer properties
  4. Development of new Organo-phosphorous compounds as new insecticides and pesticides for Agricultural use.
  5. Development of metal complexes as micro nutrients for high crop yield
  6. Development of target specific drug delivery systems for the drugs being used for the treatment of cancer, sugar and various forms of Hepatitis
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## Research Publications

### 2016

1. Asad Gulzar, Izhar ul Haq, Asrar Ahmad, **Muhammad Abdul Qadir**, Abdul Majeed Salariya. Preparation of zinc oxide from indigenous besham (fata area) lead zinc ore. Sci.Int.(Lahore), 28(2), 1157-1159, 2016 ISSN 1013-5316; CODEN: SINTE 8 1157  
IF=0.75
2. Mahmood Ahmed, Muhammad Imtiaz Shafiq, Anum Khaleeq, Rahila Huma, **Muhammad Abdul Qadir**, Ayesha Khalid, Amir Ali, and Abdul Samad. "Physiochemical, Biochemical, Minerals Content Analysis, and Antioxidant Potential of National and International Honeys in Pakistan", Hindawi Publishing Corporation, Journal of Chemistry, Volume 2016, Article ID 8072305, 10 pages, <http://dx.doi.org/10.1155/2016/>  
IF=0.772
3. Shabnam Shahzad, **Muhammad Abdul Qadir**, Rashid Rasheed, Asrar Ahmad, M. Imtiaz Shafiq, Mahmood Ahmed, Sumera Noreen, Amir ALi, Syeda Kiran Shahzadi, & Muhammad Javed "A New Method for Synthesis of 99mTc-enorfloxacin: an Infection Imaging Agent. Latin American Journal of Pharmacy, 35(2): 259-64 (2016). IF=0.372
4. **Muhammad A Qadir**, Syeda K Shahzadi, Muhammad Javed , Shabnam Shahzad , & Nazish Awan. Preparation and Biodistribution of 99mTc-Cloxacillin as a Novel Agent for Imaging Infection Caused by *Staphylococcus aureus*. Latin American Journal of Pharmacy, 35(2): 468-73 (2016).  
IF=0.372
5. Mahmood Ahmed, Anum Khaleeq, Rahila Huma, **Muhammad Abdul Qadir**, Muhammad Imtiaz Shafiq, Ayesha Israr, Amir Ali, Shabnam Shahzad. Optimization and Validation Procedure for Elemental Composition of Fresh and Pasteurized Milk in Pakistan Employing Microwave Digestion Followed by ICP-OES: a Contribution to Risk Assessment.  
IF=1.956

### 2015

6. **Muhammad Abdul Qadir**, Mahmood Ahmed and Rabia Ikram, "Synthesis, antimicrobial and antifungal possessions of tramadol esters: In vitro studies", Pak. J. Pharm. Sci., Vol.28, No.4, July 2015, pp.1307-1310  
IF=0.728
7. S.K. Shahzadi, **M.A. Qadir**, S. Shahzad, M. Javed, 99mTc-amoxicillin: a novel radiopharmaceutical for Infection Imaging, Arabian Journal of Chemistry (2015), doi: <http://dx.doi.org/10.1016/j.arabjc.2015.04.003>  
IF=3.7
8. **Muhammad Abdul Qadir**, Shabnam Shahzad, Rashid Rasheed, Mahmood Ahmed, Shahzad Anwar, and Syeda Kiran Shahzadi, "A Novel Method for the Synthesis of 99mTc-Ofloxacin Kits Using D-Penicillamine as Coligand and Their Application as

- Infection Imaging Agent” BioMed Research International , Volume 2015, Article ID 502680, 8 pages, <http://dx.doi.org/10.1155/2015/502680> IF-1.57
9. **Muhammad A. Qadir**, Mahmood Ahmed and Anum Khaleeq, “Synthesis and Biological Evaluation of Amino Terminal Modified New Sulfonamides of Contemporary Drugs”. *Latin American Journal of Pharmacy* (formerly *Acta Farmacéutica Bonaerense*), *Lat. Am. J. Pharm.* **34** (4): 719-24 (2015) IF-0.334
  10. **Muhammad Abdul Qadir**, Mahmood Ahmed, Iftikhar-ul-Haq and Saghir Ahmed, “Improved limit of detection and quantitation development and validation procedure for quantification of zinc in Insulin by atomic absorption spectrometry” *Pak. J. Pharm. Sci.*, Vol.28, No.3, May 2015, pp.875-879 IF-0.728
  11. **Muhammad Abdul Qadir**, Mahmood Ahmed and Muhammad Iqbal, “Synthesis, Characterization, and Antibacterial Activities of Novel Sulfonamides Derived through Condensation of Amino Group Containing Drugs, Amino Acids, and Their Analogs”, Hindawi Publishing Corporation”, BioMed Research International Volume 2015, Article ID 938486, 7 pages <http://dx.doi.org/10.1155/2015/938486> IF-1.57
  12. Asma Tufail Shah, Muhammad Imran Din, Shahid Bashir, **Muhammad Abdul Qadir** and Farzana Rashid, “Green Synthesis and Characterization of silver nanoparticles using ferocactus echidne extract as a reducing agent” , *Analytical Letters*, 48: 1180–1189, 2015 , DOI: 0.1080/00032719.2014.974057 IF-0.982
  13. **Muhammad Abdul Qadir**, Feroza Hamid Wattoo, Mehwish Yaseen, Sadia Atta, Muhammad Hamid Sarwar Wattoo, Sheikh Asrar Ahmad, Asad Gulzar ,” In-vitro binding assay study of 99mTc-flouroquinolones with E. coli, Salmonella and Ps. Aeruginosa”, *Alexandria Journal of Medicine* (2015) 51, 47–52 IF-0.644
  14. **Muhammad Abdul Qadir**, Mahmood Ahmed, Shabnam Shahzad. Determination of Aluminium by Electrothermal Atomization Atomic Absorption Spectrometry in Serum to Characterize Hemodialysis Toxicity. *Anal. Lett.* 2015 48 (1): 147-153. IF-0.982
  15. **Muhammad A. Qadir**, Mahmood Ahmed, Muhammad I. Shafiq, Nasir Mahmood , Sarosh Anwar, Tayyaba Habib, & Sajilah Nosheen. Synthesis, Spectral Characterization and Biological Activities of Methyl Substituted Amino Acid Conjugated Sulfonamides. *Latin American Journal of Pharmacy*, 34 (8): 1511-5 (2015). IF-0.372
  16. **Muhammad Abdul Qadir**, Mahmood Ahmed, Hina Aslam, Sadia Waseem, and Muhammad Imtiaz Shafiq. Amidine Sulfonamides and Benzene Sulfonamides: Synthesis and Their Biological Evaluation. Hindawi Publishing Corporation, *Journal of Chemistry*, Volume 2015, Article ID 524056, 8 pages, <http://dx.doi.org/10.1155/2015/524056>. IF- 0.772
  17. A. Ali, M. Ahmed, T. Mahmud, **M. A. Qadir**, K. Nadeem and A. Saleem. Stability-indicating High-performance Liquid Chromatography Method for Simultaneous Determination of Aminophylline and Chlorpheniramine Maleate in Pharmaceutical Formulations. *Indian Journal of Pharmaceutical Sciences*, 77(5): 511-654 (2015). IF- 0.48
  18. Abid Nazir Gill, Muhammad Akbar, **Muhammad Abdul Qadir**, Muhammad Pervaiz and Ahmad Adnan. Chlorine Dioxide Mediated Oxidation of Sub-Bituminous Coal for Humic Acid Production. *Asian Journal of Chemistry*. Vol.27, No.11 (2015), 3961-3964. IF- 0.45
  19. Hajira Rehman, **Abdul Qadir**, Zulfiqar Ali, Nasir Mahmood, Asmat Zahra, Habib Hussain and Tanzeela Gulab Shahzadi. Synthesis, Spectroscopic Characteristics and Anti Bacterial Study of Some Novel Sulphonamides. *Asian Journal of Chemistry*. Vol. 28(2), 343-346.

20. Shabnam Shahzad, **Muhammad Abdul Qadir**, Rashid Rasheed, Mahmood Ahmed. Synthesis of <sup>99m</sup>Tc-gemifloxacin freeze dried kits and their biodistribution in Salmonella typhi, Pseudomonas aeruginosa and Klebsiella pneumonia. Arabian Journal of Chemistry (2015). IF-3.7
21. Shabnam Shahzad, **Muhammad Abdul Qadir** and Mahmood Ahmed. Development of Stable Freeze Dried Kits of <sup>99m</sup>Tc-Ciprofloxacin for Infection Imaging. J. Chem. Soc. Pak. Vol.37.No.4, (2015). IF-0.35
22. **M. A. Qadir**, M. Ahmed, W. A. Hussain and M. S. Tahir. Development and Validation of New HPLC Method for Simultaneous Estimation of L-Lysine Hydrochloride and L-Carnitine-L-Tartrate in Pharmaceutical Dosage Form. Indian Journal of Pharmaceutical Sciences. Vol. 77(4), 367-510. IF-0.479
23. Shabnam Shahzad, **Muhammad A. Qadir**, Rashid Rasheed, Shahzad Anwar & Mahmood Ahmed. In Vivo Studies <sup>99m</sup>Tc-Levofloxacin Freeze Dried Kits in Salmonella typhi, Pseudomonas aeruginosa, and Escherichia coli. *Lat. Am. J. Pharm.* **34** (4): 760-5 (2015) IF-0.334

## 2014

24. **Muhammad Abdul Qadir**, Mahmood Ahmed, Naveed-ul-Ihsan, Asrar Ahmad, Rabia Waseem. EDTA Chelated Micronutrients for Growth of Rice, Onion and Lemon Plants and Enhancing Their Fruit Yields. *Int. J. Chem. Sci.* 2014 12 (4): 1153-1160 IF-1.191
25. Mahmood Ahmed, **Muhammad Abdul Qadir**, Malik Qaiser Hussain. Qualification of Atomic Absorption Spectrometer in Prospective View of Pharmaceutical Analysis. *Am. J. Anal. Chem.* 2014 5 (10) 674-680 IF-1.15
26. **Muhammad Abdul Qadir**, Mahmood Ahmed, Shoukat Hayat, Naveed-ul-Ihsan, Shabnam Shahzad, Saghir Ahmad. Synthesis of Quaternary Ammonium Compounds from Natural Materials. *Int. J. Chem. Sci.* 2014 12 (3): 880-884. IF-1.191
27. **Muhammad Abdul Qadir**, Mahmood Ahmed, Asrar Ahmad, SumairaNaz, Sadia Atta, Rukhsana Khan, Iftikhar Hussain, Rabia Waseem. Synthesis of Metal Complexes with Amino Acids for Animal Nutrition. *Global Veterinaria*. 2014 12 (6): 858-861 IF-0.677
28. **Muhammad Abdul Qadir**, Mahmood Ahmed, Saghir Ahmed, Iftikhar-ul-Haq. Synthesis of dicalcium phosphate used as feed additive for animals from phosphate rock as potential cost-effective raw material. *Int. J. Chem. Sci.* 2014 12(1): 111-120 IF-1.191
29. Mahmood Ahmed, **Muhammad Abdul Qadir**, Shabnam Shahzad, Rabia Waseem, Muhammad Saqlain Tahir. Validation of UV-HPLC method for simultaneous quantification of organic acids in disinfectants for haemodialysis machines. *Int. J. Chem. Pharm. Sci.* 2014 2(1): 536-540. IF-0.684

## 2013

30. **Muhammad Abdul Qadir**, Mahmood Ahmad. Organic Acids Effective Antimicrobial Agents against E.Coli, S. Aureus and P.Aeruginosa at ambient temperature” *JPR: BioMedRx: An International Journal* 2013, 1 (11) 983-987.
31. S.Ata, Feroza Hahamd, M.Hamid Sarwar, **Muhammad Abdul Qadir** et.al, Monitoring of Anthropogenic influences on underground and surface water quality of Indus River at district Mianwali-Pakistan. *Turk J Biochem* 2013 38(1): 9-13. IF-0.173
32. S.A. Ahmad, A.Gulzar, **Muhammad Abdul Qadir** et.al. Study of Arsenic in Drinking Water of District Kasur Pakistan. *World Applied Sciences Journal* 2013 24 (5): 634-640.

33. M. Nadeem Zafar, S.A. Ahmad, **Muhammad Abdul Qadir** et.al. Electrochemical Separation of Alanine, Cystine and Glycine using a Digital Thruster. Separation Science and Technology 2013 48: 2707-2711. IF-1.2
34. S.A. Ahmad, C. Potratz, **Muhammad Abdul Qadir**. Synthesis and stability study of a new bimetallic Complex (Ph<sub>3</sub>P)CuMn(CO)<sub>5</sub>; Asian Journal of Chemistry 2013 25 (3): 1597-1599. IF- 0.355/

## 2012

35. Sadia Ata, M.Imran Din, Ijaz Mohsin, Ahmad Mahir Razil, Akmal Shahzad Babar, **Muhammad Abdul Qadir**. Optimization of gas chromatographic analysis of halogenated acids in drinking water using full factorial experimental design. J. Desalination and Water Treatment 2012 49: 34-40. IF- 0.988
36. Asma Tufail Shah, Adnan Mujahid, Muhammad Umar Farooq, Waqar Ahmad, Baoshan Li, Muhammad Irfan, **Muhammad Abdul Qadir**. Micelle direct synthesis of (C<sub>19</sub>H<sub>42</sub>N)<sub>4</sub>H<sub>3</sub>(PW<sub>11</sub>O<sub>39</sub>) nanoparticles and their catalytic efficiency for oxidative degradation of azo dye, J. Sol-Gel Technol 2012 63:194-199. IF- 1.547
37. **Muhammad Abdul Qadir**, Sadia Atta Faisal Jamshid. Synthesis of Gluconic Acid and its Salts by using Bimetallic Catalyst, J.Chem Soc. Pak. 2012 34 (3): 648-650. IF- 0.612
38. **Muhammad Abdul Qadir**, Jamshaid Hussain Zaidi, et.al. Evaluation of trace element composition of aerosols in the atmosphere of Rawalpindi and Islamabad by using radio analytical methods. J. Applied Radiation and Isotopes 2012 70: 906-910. IF-1.231

## 2011

39. Sheikh Asrar Ahmad, Asad Gulzar, Viqar Un Nisa, **Muhammad Abdul Qadir** et.al. Developmental Study of Stearic Acid Coated Calcium Carbonate. World Applied Science Journal 2011 14(2):363-368.
40. Sheikh Asrar Ahmad, Zia Ullah Khokhar, **Muhammad Abdul Qadir**. Effect of distribution of charge on the separation and purification of metallic zinc. World Applied Science Journal 2011 13(8):1774-1780.
41. Sheikh Asrar Ahmed, Asad Gulzar, Viqar Un Nisa, **Muhammad Abdul Qadir** et.al. Separation and purification of copper from a hazardous nickel solution using a micro controller based digital electronic switching system” Middle-East Journal of Scientific Research 2011 7(5):778-783.
42. Zia-ullah Khokhar, Shabnam Munir, Asrar Ahmad, **Muhammad Abdul Qadir**. Isoamyl Salicylate: Synthesis and use in beauty soap as a fragrance. Sci. Int. 2011 23(2):121-124.
43. **Muhammad Abdul Qadir**, Sheikh Asrar Ahmad, AsadGulzar, Muhammad Yaseen Khan, Carmilee Arnado, Shervin Sarmad. Kinetic Studies of OH-Radical Initiated Oxidation of Isoprene Using Quadrupole Ion Trap Time of Flight Mass Spectrometer. Middle-East Journal of Scientific Research 2011 8(1):57-61.
44. Sheikh Asrar Ahmad, Zia UllahKhokhar, **Muhammad Abdul Qadir**. Effect of distribution of charge on the separation and purification of metallic zinc World Applied Sciences Journal 2011 13 (8): 1774-1780.
45. **Muhammad Abdul Qadir**, M.Saleh, Zia UllahKhokhar, et al. Evaluation of Toxicity of Chlorinated, Organo Phosphorus and Pyrophosphate Oil Against TriboliumCastaneum. Middle-East Journal of Scientific Research 2011 8 (2):393-400.



46. Zia-ullah Khokhar, Shabnam Munir, Sh. Asrar Ahmad, Ehsan-Ul- Haq, Aziz Ahmad, Sh. Shahbaz Ali ,**Muhammad Abdul Qadir**. Isoamyl Salicylate: Synthesis And Use In Beauty Soap As A Fragrance. Sci. Int 2011 23(2): 121-124.

## 2009

47. **Muhammad Abdul Qadir**, Shahzada Nadeem Abbas, Nasir Mahmood. Ag(I), Pb(II), Cd(II), Hg(II) and Mn(II) Binding with Human Genomic DNA Fragment Containing Interferon Alpha2 Gene Isolated from Blood Leukocytes, The Journal of Damghan University of Basic Sciences 2009 2(1): 65-74.
48. **Muhammad Abdul Qadir**, M. RamzanAdil and Karamat Mahmood. Effects of Various Buffers and Salts on Colour Strength of Reactive Dye Sumifix 3RF. J.Chem. Soc.Pak. 2009 31(1). IF- 0.612

## 2008

49. Sheikh Asrar Ahmad, Muhammad Nadeem Zafar, **Muhammad Abdul Qadir**, Ishtiaq Hussain, Shahid Tufail and Hamid Ali Shah. Use of digital thruster to separate the Cadmium and Lead metals from mixture Samples, Journal of Separation and Purification Technology. 200863: 101-106 IF- 3.091
50. Ahmad, S.A, **Muhammad Abdul Qadir**, Nadeem Zafar, M., Hussain. I., Saima, Hamid Ali S., Preparation of high purity Nickel film from industrial effluent by the distribution of charge over micro electrodes using newly designed free electrolytic diffusion approach, Journal of Hazardous Materials. 2008157: 564-568. IF- 4.331

## 2007

51. **Muhammad Abdul Qadir**, Qazi.I.J, Khan Q.A.U., et al. Antimicrobial and Antifungal Activity of Some Products Derived Through the Condensation of Antibiotics and Amino Acids, Jour. Chem.Soc.Pak. 2007 29(1) IF- 0.612

## 2006

52. **Muhammad Abdul Qadir**, Zaidi.H.J., Characteristics of the aerosol particulates in the atmosphere in an urban environment at Faisalabad, Pakistan, Journal of Radioanalytical and Nuclear Chemistry 2006 267(3): 545-550 IF-1.42

## 2004

53. **Muhammad Abdul Qadir**, Abbas. N. S., Rehman. A., Effect of Sublethal Doses of Mixture of Benzene and Corn Oil on Some Haematological Parameters and Hepatic Proteins of Male Albino Mice, Pakistan J. Zool. 2004 36(4): 342-344. IF-0.4

## 2003

54. Karamat. M., Rehana. N., Rehman. A. U., Farooq. M. A. **Muhammad Abdul Qadir**, Athar .M.A., Biochemical Analysis of Oil from Seeds of Abutilon Muticum, Pakistan Journal of Biological Sciences 2003 2 (22): 1880-1882.
55. **Muhammad Abdul Qadir**, Athar. A. M., Karamat. M., Study of accumulation of Polytrin-C on different types of soil, J. Pure and Applied Sciences 2003 22(2): 11-17.

## 2002

56. **Muhammad Abdul Qadir**, Athar. A.M., Karamat. M., Determination of Caffeine in Different tea and Coffee Brands Marketed in Pakistan. J. Pure and Applied Sci. 2002 (21 (2): 77-83.

57. Zahoor Qadir.S., Athar A.M., **Muhammad Abdul Qadir**, Karamat. M., Asma Saeed., Immunosuppressive Effects of Lindane on Humoral Immune Response. J. Pure and Applied Sciences, 200221 (2): 95-102

## 2001

58. Karamat. M., Farooq. M.H., Gulzar. F.D., Siddique. M., **Muhammad Abdul Qadir**, and Athar A.M., 2(1,2,4-Triazol-1-yl)pyridine, A noval analytical reagent for spectrophotometric determination of cobalt(II), Acta Sci. 2001 11(2): 91-98. IF-0.32

## 2000

59. Ali Sher.J **Muhammad Abdul Qadir**., Karamat.M., Optimization of the Conditions for Hydrogen per oxide bleaching in Textile Industry. J. pure and applied sci. 2000 19(1): 55-61.

## 1999

60. Zafar.I.M.,**Muhammad Abdul Qadir**., Majeed.M.I., Karamat.M., Removal of phenols in the effluents from paracetamol and asperine manufacturing units. J. Pure and Applied Sci. 1999 18 (1) 65-71.
61. Zafar.M.I., **Muhammad Abdul Qadir**., Javid H.B., Karamat.M., Determination of Nitrate, Phosphates, Sulfates, Sodium, Potassium, pH and Conductivity in the Rain Water of Metro Politin Lahore Pakistan. J. Pure and Applied Sci. 1999 18 (1): 35-39.

## 1998

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