

**Curriculum Vitae
Muhammad Zahoor**



Personal:

Nationality: Pakistani

Date of Birth: 11/04/1978

Postal Address: Department of Chemistry, University of Malakand, Chakdara, Dir (Lower), KPK.

Permanent Address: Village Pitao; Tehsil Dargai; Distt Malakand Khyber Pakhtunkhwa, Pakistan.

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Languages:

- 1.Pashto
- 2.Urdu
- 3.English
- 4.Turkish

Objectives:

I wish to join a challenging and dynamic research environment that make my career out of my professional abilities and interpersonal skills. Qualified for a challenging and decision making assignments. I see myself as an active contributor to a team of dedicated and ambitious people working on projects that involve Chemistry and Chemical engineering and thereby enhance my knowledge and personality. I have a strong motivation to pursue career especially in frontier areas of Chemistry.

Qualification:

PhD:

Department of Chemical Engineering Istanbul University, Istanbul, Turkey

Title of PhD Research: Removal of some organic substances from water through adsorption–filtration and adsorption-membrane hybrid systems.

Courses taken during PhD:

- 1:Group theory
- 2:Surface active materials.

- 3:Chemistry of lanthanides and actinides.
- 4:Quantum chemistry.
- 5:Phenomena at Solid-Solution Interface
- 6:Vegetable oil technology.
- 7:Ion exchange resin.
- 8:Aquatic chemistry.
- 9:Frozen food technology.

PhD Seminar: Hydrotropic solutions.

M.Sc:

Department of Chemistry, Peshawar University, Pakistan

Field of Specialization: Biochemistry

Courses taken during MSc:

- 1:Environmental chemistry.
- 2:Biochemistry of macromolecules and techniques.
- 3:Nutritional/physiological chemistry.
- 4:Microbiology and immunology.
- 5:General Biochemistry.
- 6:General organic chemistry.
- 7:General inorganic chemistry.
- 8:General physical chemistry.

B. Ed (Bachelor of Education): Gomal University, D. I. Khan, Pakistan

Courses taken during B. Ed:

- 1:Teaching of biology.
- 2:Practical skills.

B.Sc:

Peshawar University, Pakistan.

F.Sc:

Board of Intermediate and secondary Education, Islamabad, Pakistan.

S.S.C:

Board of Intermediate and Secondary Education, Swat, Pakistan

Professional experience:

1. Associate Professor (Tenured) department of Biochemistry University of Malakand, from 01/10/2018 to date.
- 2.Assistant Professor (TTS), department of Chemistry University of Malakand, from 09/02/2012 to 09/02/2018.
- 3.Assistant Professor (IPFP), department of Chemistry University of Malakand, from 25/05/2011 to 08/02/2012.

4. Assistant Professor (Contract), department of Chemistry University of Malakand, from 14/03/2011 to 25/05/2011.
5. Lecturer Chemistry Govt Degree College Mir Ali, North Waziristan, Pakistan from 01.11.2004 to 01.01.2007.
6. Lecturer Chemistry, Edworld College Dargai, Malakand Pakistan from 01.11.2001 to 01.11.2004.
7. Biochemist (Evening), Moon Clinical Laboratory, Dargai, Malakand, Pakistan from 01.04.2002 to 8.04.2004.

Areas of expertise:

1. Antioxidants and other phytochemicals isolation
2. Microbiology (Antibacterial, Antifungal, Phytotoxic and Cytotoxic assays)
3. Aflatoxin B1 detoxification by carbon nanostructures
4. Ultrafiltration (pilot plant designing and operations)
5. Adsorption (adsorbent preparation, characterization etc)
6. Clinical Biochemistry
7. Nanocomposites
8. Enzyme inhibition

Publications:

- 1) Iqbal Z, Sadiq M, Khan MS, Iqbal T, Ali M, **Zahoor M**, Ullah R, Almoallim HS, Alharbi SA. 2020. Functionalized multi walled carbon nanotubes supported copper-titania nanoparticles for oxidation of Cinnamyl Alcohol under mild reaction conditions. *Journal of King Saud University – Science*. In press.
- 2) Sultana S, Rehan K, Rehan I, Ali F, Waris S, **Zahoor M**, Salman SM, Khan S, Rehan MS. 2020. Physicochemical and instrumental characterization of rice husk and its potential use as a low cost adsorbent for mutagenic dye bromophenol blue. *Zeitschrift für Physikalische Chemie*. In press.
- 3) Ikram M, **Zahoor M**, Gaber El-Saber B. 2020. Biodegradation and decolorization of textile dyes by bacterial strains: A biological approach for wastewater treatment. *Zeitschrift für Physikalische Chemie*. In press.
- 4) Uddin N, Ali N, Uddin Z, Nazir N, **Zahoor M**, Rashid U, Ullah R, Alqahtani AS, Alqahtani AM, Naser FA, Liu M, Nisar M. 2020. Evaluation of Cholinesterase Inhibitory Potential of Different Genotypes of *Ziziphus nummularia*, Their HPLC-UV, and Molecular Docking Analysis. *Molecules* 25, 5011; doi:10.3390/molecules25215011
- 5) Sadiq A, Rashid U, Ahmad S, **Zahoor M**, Ullah U, Ayaz M, Khan MI. 2020. Treating hyperglycemia from *Eryngium caeruleum* M. Bieb: In-vitro, in-vivo and molecular docking-based approaches. *Frontiers in Chemistry*. In press.
- 6) Faheem M, Ali SH, Khan AW, Alam M, Ilyas U, **Zahoor M**, Sahibzada MUK, Khalid S, Ullah R, Alqahtani AS, Alqahtani AM. 2020. 1,3,4-Oxadiazole Derivative Attenuates Chronic Constriction Injury Induced Neuropathic Pain: A Computational, Behavioral, and Molecular Approach. *Brain Sci.* 10, 731; doi:10.3390/brainsci10100731
- 7) Sahibzada MUK, **Zahoor M**, Sadiq A, Rahman FU, Al-Mohaimed AM, Shahid M, Naz S. 2020. Bioavailability and Hepatoprotection enhancement of Berberine and its nanoparticles

- prepared by liquid antisolvent method. *Saudi Journal of Biological Sciences*. <https://doi.org/10.1016/j.sjbs.2020.10.006>
- 8) Iftikhar M, **Zahoor M**, Naz S, Nazir N, Gaber El-Saber B, Ullah R, Bari A, Hanif M, Mahmood HM. 2020. Green synthesis of silver nanoparticles using *Grewia optiva* leaves aqueous extract and isolated compounds as reducing agent and their biological activities. *Journal of Nanomaterials*. <https://doi.org/10.1155/2020/8949674>
 - 9) Naz S, **Zahoor M**, Umar MN, AlQahtany FS, Elnahas YM. 2020. In vivo glucose-6-phosphatase inhibitory, toxicity and antidiabetic potentials of 2-picolyamine thioureas in Swiss albino mice. *Saudi Journal of Biological Sciences*. <https://doi.org/10.1016/j.sjbs.2020.09.048>
 - 10) Eğlence-Bakır S, Şahin M, **Zahoor M**, Dilmen-Portakal E, Ülküseven B. 2020. Synthesis and biological potentials of dioxomolybdenum(VI) complexes with ONS and ONN chelating thiosemicarbazones: DNA-binding, antioxidant and enzyme inhibition studies. *Polyhedron*. 190: 114754.
 - 11) Nazir N, **Zahoor M**, Nisar M. 2020. A review on traditional uses and pharmacological importance of genus *Elaeagnus* species. *The Botanical Review*. <https://doi.org/10.1007/s12229-020-09226-y>.
 - 12) Nazir N, Khalil AAK, Nisar M, **Zahoor M**, Ahmad S. 2020. HPLC-UV characterization, anticholinesterase, and free radical-scavenging activities of *Rosa moschata* Herrm. leaves and fruits methanolic extracts. *Brazilian Journal of Botany*. 43: 523–530.
 - 13) Beshbishy AM, Alghamdi S, ThankGod EO, **Zahoor M**, Rivero-Perez N, Zaragoza-Bastida A, Hetta HF, El-Saber Batiha G. 2020. Biogenesis, biologic function and clinical potential of Exosomes in Different Diseases. *Applied Sciences*. 2020, 10, 4428; doi:10.3390/app10134428.
 - 14) El-Saber Batiha G, Olatunde A, El-Mleeh A, Hetta HF, Al-Rejaie S, **Zahoor M**, Beshbishy AM, Murata T, Zaragoza-Bastida A, Rivero-Perez N. 2020. Bioactive Compounds, Pharmacological Actions, and Pharmacokinetics of Wormwood (*Artemisia absinthium*). *Antibiotics*. 2020, 9, 353; doi:10.3390/antibiotics9060353
 - 15) Salman SM, **Zahoor M**, Shahwar D, Nisar A, Ali A, Khan H, Ali F. 2020. Chemically modified *Quercus dilatata* plant leaves for Pb (II), Cd (II) and Cr (VI) ions remediation from aqueous solution. *Zeitschrift für Physikalische Chemie*. <https://doi.org/10.1515/zpch-2020-1677>
 - 16) Naz S, **Zahoor M**, Umar MN, Alghamdi S, Sahibzada MUK, Bari WU. 2020. Synthesis, Characterization, and pharmacological evaluation of thiourea derivatives. *Open Chemistry*. 18: 764–777.
 - 17) Nazir N, **Zahoor M**, Nisar M, Karim N, Latif A, Ahmad S, Uddin, Z. 2020. Evaluation of Neuroprotective and Anti-amnesic Effects of *Elaeagnus umbellata* Thunb. on Scopolamine-Induced Memory Impairment in Mice. *BMC Complementary Medicine and Therapies*. 20:143. <https://doi.org/10.1186/s12906-020-02942-3>
 - 18) Ikram M, Beshbishy AM, Kifayatullah M, Olukanni A, **Zahoor M**, Naem M, Amin M, Shah M, Abdelaziz AS, Ullah R, Mothana RA, Siddiqui NA, Batiha GES. 2020. Chemotherapeutic Potential of *Carthamus Oxycantha* Root Extract as Antidiarrheal and *In Vitro* Antibacterial Activities. *Antibiotics* 2020, 9, 226; doi:10.3390/antibiotics9050226
 - 19) Suliman, Khan A, Shah SSA, Gulfam N, Khisroon M, **Zahoor M**. 2020. Toxicity evaluation of pesticide chlorpyrifos in male Japanese quails (*Coturnix japonica*).

- Environmental Science and Pollution Research*. <https://doi.org/10.1007/s11356-020-08953-4>.
- 20) Ikram M, **Zahoor M**, Khan E, Khayam SMU. 2020. Biodegradation of Novacron Turqueiose (Reactive Blue 21) by *Pseudomonas aeruginosa*. *J. Chem. Soc. Pak.*, Vol. 42 (05) 737-745.
 - 21) Salman SM, Wahab M, **Zahoor M**, Shahwar D, Sultana S, Alamzeb M, Ahmed S. 2020. Green mediated biosorption of Pb (II) from aqueous solution using chemically modified low cost *Grewia optiva* Leaves. *Desalination and water treatment*. 195: 413–420
 - 22) Sadia M, Khan J, Naz R, **Zahoor M**, Khan E, Ullah R, Bari A. 2020. Schiff based fluorescent-ON sensor L synthesis and its application for selective determination of cerium in aqueous media. *Journal of Sensors*. 2020: (Article ID 2192584) 1-10. <https://doi.org/10.1155/2020/219258>.
 - 23) **Zahoor M**, Shah AB, Naz S, Ullah R, Bari A, Mahmood HM. 2020. Isolation of quercetin from *Rubus fruticosus*, their concentration through NF/RO membranes and recovery through carbon nano composite. A pilot plant study. *BioMed Research International*. 2020: Article ID 8216435, 1-7. <https://doi.org/10.1155/2020/8216435>.
 - 24) Sahibzada MUK, Sadiq A, **Zahoor M**, Naz S, Shahid M, Qureshi NA. 2020. Enhancement of bioavailability and hepatoprotection by Silibinin through conversion to nanoparticles prepared by liquid antisolvent method. *Arabian Journal of Chemistry*.13: 3682-3689.
 - 25) Khayam SMU, **Zahoor M**, Khan E, Shah M. 2020. Reduction of keto group in drimarene blue by *Aspergillus niger*; a predominant reason for subsequent decolorization. *Fresenius Environmental Bulletin*. 29 (3) 1397-1410.
 - 26) Alam S, Khan S, Khan MS, Rahman NU, **Zahoor M**. 2020. Removal of Aliphatic Organic Acids from the Wastewater by using Adsorbents Obtained from Buffalo Droppings. *Desalination and water treatment*. 178: 405-414.
 - 27) Khayam SMU, **Zahoor M**, Khan A, Khan I. 2020. Capabilities of halophytes and glycophytes for phytoextraction of metals collected from polluted and unpolluted areas of KPK, Pakistan. *Fresenius Environmental Bulletin*. 29 (3) 1389-1396.
 - 28) Khalil MI, Ullah R, Gulfam N, **Zahoor M**. 2020. Preparation of *Monotheca buxifolia* Leaves Mediated Silver Nanoparticles and its Biological Activities. *Surface Engineering and Applied Electrochemistry*. 56 (5): 641-647.
 - 29) Khan I, **Zahoor M**, Zeb A, Bari WU. 2020. Isolation, characterization, pharmacological evaluation and in silico modeling of bioactive secondary metabolites from *Ziziphus oxyphylla*. *Tropical Journal of Pharmaceutical Research*. 19 (2): 351-359.
 - 30) Nazir N, Nisar M, Ahmad S, Wadood SF, Jan T, **Zahoor M**, Ahmad M, Ullah A. 2019. Characterization of phenolic compounds in two novel lines of *Pisum sativum* L. along with their in-vitro antioxidant potential. *Environmental Science and Pollution Research*. <https://doi.org/10.1007/s11356-019-07065-y>.
 - 31) Khan I, **Zahoor M**, Bari WU, Zeb A. 2020. Determination of phytochemical, antioxidant, antidiabetic and anticholinesterase potentials of *Ziziphus oxyphylla*. *Latin Am J of Pharm*. 39 (1) 7-21.
 - 32) **Zahoor M**, Bari WU, Zeb A, Khan I. 2020. Toxicological, anticholinesterase, antilipidemic, antidiabetic and antioxidant potentials of *Grewia optiva* Drummond ex Burret extracts. *Journal of Basic and Clinical Physiology and Pharmacology*. DOI: 10.1515/jbcpp-2019-0220 (p 1-16)

- 33) Kamran AW, Ali S, Tahir MN, **Zahoor M**, Wadood A, Iqbal M. 2019. Binuclear copper(II) complexes: synthesis, structural characterization, DNA binding and in silico studies. *J. Serb. Chem. Soc.* 84 (0) 1-14.
- 34) Salman SM, **Zahoor M**, Muhammad S, Ali A. 2019. Detoxification of lead (II) ions in aqueous solutions using chemically modified *Ziziphus jojoba* and *Eriobotrya japonica* leaves: thermodynamic and kinetics considerations. *Desalination and water treatment.* 166: 53-61.
- 35) **Zahoor M**, Gulfam N, Khisroon M, Khan FA. 2019. The in Vivo efficacy of highly porous carbon nanocomposites prepared from sugar beet waste for the Ochratoxin A detoxification. *Veterinarski Arhiv.* 89 (6) 851-872.
- 36) Zafar R, Ullah H, **Zahoor M**, Sadiq A. 2019. Isolation of bioactive compounds from *Bergenia ciliata* (Haw.) Sternb rhizome and their antioxidant and anticholinesterase activities. *BMC Complementary and Alternative Medicine.* 19: 296.
- 37) Naz, S, **Zahoor M**, Umar MN, Ali B, Ullah R, Shahat AA, Mahmood HM, Khyam SU. 2019. Enzyme inhibitory, antioxidant and antibacterial potentials of synthetic symmetrical and unsymmetrical thioureas. *Drug Design, Development and Therapy.* 13: 3485-3495.
- 38) Ullah A, **Zahoor M**, Alam S. 2019. Removal of enrofloxacin from water through magnetic nanocomposites prepared from pineapple waste biomass. *Surface Engineering and Applied Electrochemistry.* 55 (5): 536-547.
- 39) Bari WU, **Zahoor M**, Zeb A, Khyam SU, Ullah R, Shahat AA, Mahmood HM, Khan I. 2019. Isolation, Pharmacological Evaluation and molecular docking studies of Bioactive compounds from *Grewia optiva*. *Drug Design, Development and Therapy.* 13: 3029-3036.
- 40) Bari WU, **Zahoor M**, Zeb A, Khan I, Nazir Y, Khan A, Rehman NU, Ullah R, Shahat AA, Mahmood HM. 2019. Anticholinesterase, antioxidant potentials, and molecular docking studies of isolated bioactive compounds from *Grewia optiva*. *International Journal of Food Properties.* 22 (1): 1386-1396.
- 41) Wahab M, **Zahoor M**, Salman SM. 2019. A novel approach to remove ofloxacin antibiotic from industrial effluent using magnetic carbon nanocomposite prepared from sawdust of *Dalbergia sissoo* by batch and membrane hybrid technology. *Desalination and water treatment.* 165: 83-96.
- 42) Ali M, Alam S, **Zahoor M**, et al. 2019. Adsorptive removal of cethyltrimethyl ammonium bromide (CTAB) surfactant from aqueous solution: crossbreed pilot plant membrane studies. *Tenside Surfactants Detergents.* 56 (6): 534-542.
- 43) Khayam SMU, **Zahoor M**, Shah AB, 2019. Biological and Phytochemical Evaluation of *Cotoneaster microphyllus*, *Ficus auriculata* and *Calotropis procera*. *Latin American Journal of Pharmacy.* 85 (5): 945-953.
- 44) Ullah A, **Zahoor M**, Alam S, Ullah R, Alqahtani AS, Mahmood HM. 2019. Separation of levofloxacin from industry effluents using novel magnetic nanocomposite and membranes hybrid processes. *BioMed Research International.* 2019: 1-13.
- 45) Ullah A, **Zahoor M**, Alam S. 2019. Removal of ciprofloxacin from water through magnetic nanocomposite/membrane hybrid processes. *Desalination and water treatment.* 137: 260-272.

- 46) **Zahoor M**, Gulfam N, Khisroon M, Khan FA. 2019. Removal of Ochratoxin A from water by novel adsorbent; magnetic carbon nanocomposites prepared from sugar beet wastes. *Desalination and water treatment*. 152: 234-241.
- 47) Zohra T, Ovais M, Khalil AT, Qasim M, Ayaz M, Shinwari ZK, Ahmad S, **Zahoor M**. 2019. Bio-guided profiling and HPLC-DAD finger printing of *Atriplex lasiantha* Boiss. *BMC Complementary and Alternative Medicine*. 19: 1-14.
- 48) Khan MI, **Zahoor M**, Khan A, Gulfam N, Khisroon M. 2019. Bioaccumulation of Heavy Metals and their Genotoxic Effect on Freshwater Mussel. *Bulletin of Environmental Contamination and Toxicology*. 102: 52-58.
- 49) **Zahoor M**, Zafar R, Rahman NU. 2018. Isolation and identification of phenolic antioxidants from *Pistacia integerrima* gall and their anticholine esterase activities. *Heliyon*. 4 (12) 1-22.
- 50) Nazir N, **Zahoor M**, Nisar M, Khan I, Karim N, Abdel-Halim H, Ali A. 2018. Phytochemical analysis and antidiabetic potential of *Elaeagnus umbellata* (Thunb.) in streptozotocin-induced diabetic rats: pharmacological and computational approach. *BMC Complementary and Alternative Medicine*. 18: 1-16
- 51) Rehman IU, **Zahoor M**, Bashir MT, Din IU, Shah J, Ali J, Khan FA, Sher M, Gulfam N. 2018. Heavy metal analysis for assessing the quality of waste water effluent samples collected from three major waste drains of Peshawar city, Pakistan. *Desalination and water treatment*. 136: 332-340.
- 52) Rehman IU, **Zahoor M**, Bashir MT, Ali J, Khan FA, Sher M. 2018. Removal of Cu^{2+} from aqueous solution by activated carbon prepared from sawdust and nutshells. *Desalination and water treatment*. 126: 171-180.
- 53) **Zahoor M**, Khan FA, 2018. Adsorption of aflatoxin B1 on magnetic carbon nanocomposites prepared from bagasse. *Arabian journal of Chemistry*. 11: 729-738
- 54) Khan E, Khan SA, **Zahoor M**, Tahir MN, Noor A, Altaf, AA. 2018. Cu(II) Coordination polymers stabilized by pyridine-2,6-dicarboxylate anion and pyrazole derivatives through ligand hydrolysis. *Journal of Coordination Chemistry*. 71: 2658-2673.
- 55) **Zahoor M**, Shafiq S, Ullah H, Sadiq A, Khan F. 2018. Isolation of quercetin and mandelic acid from *Aesculus indica* fruit and their biological activities. *BMC Biochemistry*. 19: 1-14
- 56) Gulfam N, **Zahoor M**, Khisroon M, Khan FA. 2018. *In vivo* detoxification of ochratoxin A by highly porous magnetic nanocomposites prepared from coconut shell. *Brazilian Journal of poultry Science*. 20 (4): 675-698.
- 57) **Zahoor M**, Bahadur, H, Ayaz, M. Khan A, Shah MJ. 2018. In vitro study on the antimicrobial activity of human tears with respect to age. *Korean J Clin Lab Sci*. 50: 93-99.
- 58) Zafar R, Chishti KA, **Zahoor M**, Shah AB. 2018. Screening/assessment of potential drug-drug interactions in neurology ward of a tertiary care hospital, Peshawar Khyber Pakhtunkhwa: Prevalence, types and their predictors. *Pharmacology online*. 2: 44-49.
- 59) **Zahoor M**, Jalaluddin. 2018. Evaluation of Bacterial Population in the Saliva of Drug Addicts. *Journal Dental and Oral implants*. 2: 6-14.
- 60) Gulfam N, Khisroon M, **Zahoor M**, Khan FA. 2018. Development of highly porous carbon nanocomposites derived from coconut shell and its in vitro efficacy of ochratoxin A detoxification. *Desalination and Water treatment*. 105: 216-225.
- 61) **Zahoor M**, Shah AB, Gul S, Amin S. 2018. HPLC-UV analysis of antioxidants in *Citrus sinensis* stem and root extracts. *J. Chem. Soc. Pak*. 40 (3) 595-601.

- 62) Zafar R, Khan FA, **Zahoor M**. 2017. In vivo amelioration of aflatoxin B1 in broiler chicks by magnetic carbon nanocomposite. *Pesq. Vet. Bras.* 37 (11) 1213-1219.
- 63) Nazir S, Jan MR, Ali A, Asif M, Idress M, Nisar M, **Zahoor M**, Abdel Salam NM. 2017. Prevalence of hepatitis-C virus genotypes and potential transmission risks in Malakand Khyber Pakhtunkhwa, Pakistan. *Virology Journal.* 14: 1-9.
- 64) Zafar R, Chisti KA, **Zahoor M**. 2017. Drug-drug interactions and their potential adverse outcomes: but are often predictable, therefore avoidable and manageable. *Tropical Journal of Pharmaceutical Research.* 16 (10) 2521-2526.
- 65) Rahman MU, Zahoor M, Muhammad B. 2017. Removal of heavy metals from water by carbon nanocomposites prepared from melon wastes. *Desalination and water treatment.* 75: 158-173.
- 66) Rahman MU, Zahoor M, Muhammad B, Khan FA, Ullah R, Salam NM. 2017. Removal of heavy metals from drinking water by magnetic carbon nanostructures prepared from biomass. *Journal of Nanomaterials.* 2017: 1-10.
- 67) Naila G, Zahoor M, Khan FA. 2017. Assessment of zinc, cadmium, nickel, lead and chromium concentrations in water, sediments and different tissues of *Cyprinus carpio*, from Kalpani stream Mardan Khyber Pukhtunkhwa, Pakistan. *Desalination and water treatment.* 63: 96-102.
- 68) **Zahoor M**, Ahmad N, Huma, Farzana. 2017. HPLC profiling of bioactive compounds present in *Olea europeae*, *Myrtus communis* and *Monothea buxifolia* and their antibacterial activities. *International Journal of Biochemistry Research & Review.* 18 (1) 1-9.
- 69) Roheena Z, **Zahoor M**, Abdul B.S, Fazal M. 2017. Determination of antioxidants and antibacterial activities, total phenolic, polyphenol and pigment contents in *Nasturtium officinale*. *Pharmacology online.* 1: 11-18.
- 70) Zahoor M, Bahadur H, Uddin S, Naz S. 2016. The Sensitivity Comparison of Immunodiagnostic Assays for Diagnosing Dengue Fever. *Korean J Clin Lab Sci.* 48(4):275-279.
- 71) Khan FA, Zahoor M, Islam N, Hameed R. 2016. Synthesis of cefixime and azithromycin nano particles; an attempt to enhance its antimicrobial activity and dissolution rate. *Journal of Nanomaterials.* 2016; 1-9.
- 72) Khan FA, **Zahoor M**, Jalal A, Rahman AA. 2016. Green synthesis of silver nanoparticles by using *Ziziphus nummularia* leaves aqueous extract and their biological activities. *Journal of Nanomaterials.* 2016; 1-8.
- 73) **Zahoor M**, Jan R, Naz S. 2016. Investigation of repressive and enhance effects of fruit extracts on the activity of glucose-6-phosphatase. *Pak. J. Phar. Sci.* 29 (6); 1985-1991.
- 74) **Zahoor M**, Khan FA, 2015. Aflatoxin B1 detoxification by magnetic carbon nanostructures prepared from maize straw. *Desalination and water treatment,* 57 (25) 11893-11903.
- 75) **Zahoor M**, Khan FA, Azam M, 2016. Bacteriological, inorganic and heavy metal evaluation of drinking water of the specified flood affected areas of Dir (Lower) Pakistan. *Desalination and water treatment,* 57 (30): 13938–13957.
- 76) **Zahoor M**. 2016. Separation of surfactants from water by granular activated carbon/ultrafiltration hybrid process. *Desalination and water treatment.* 57 (5): 1988–1994.
- 77) Naveed M. Khan A, Saeed M, Khan H, Khan SS, Shareef H, Khan Z, Farooq U, **Zahoor M**, 2016. Fixed Oil Composition and Biological Screening of *Viola betonicifolia* in Different Solvents. *J. Chem. Soc. Pak.,* 38 (01) 115-121.

- 78) **Zahoor M**, 2016. Effect of granular activated carbon on percent retention of humic acid and permeate flux in GAC/UF membrane process. *Desalination and water treatment*, 57: 23661-23665.
- 79) Nazim H, Wadood S.F, Habib U, **Zahoor M**, Murad K, Asif K, Nisar M. 2016. Estimation of genetic diversity in *Cupressus sempervirens* growing in different ecological zones of Malakand Division, KP, Pakistan. *IJB*, 8 (5) 15-21.
- 80) Khattak M.M., Muhammad B., **Zahoor M**. 2016. Analysis of Heavy Metals Contamination Levels in Drinking Water Collected from Different Provinces of Pakistan. *American-Eurasian J. Agric. & Environ. Sci.*, 16 (2): 333-347.
- 81) **Zahoor M**, Khan E, Khan FA, 2016. Chemical and biological evaluation of *Ranunculus muricatus*. *Pak. J. Phar. Sci.* 29 (2) 503-510.
- 82) **Zahoor M**, Nisar M, Islam N, 2015. Genetic Variations of *Robinia Pseudoacacia* Plant Using SDS-PAGE. *Pak. J. Bot.* 47 (6) 2335-2338.
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- 84) **Zahoor M**, Manzoor Ahmed, Sumaira Naz, Musarrat. 2014. Cytotoxic, antibacterial and antioxidant activities of extracts of the bark of *Melia azedarach* (China Berry). *Natural Product Research*. 29 (12): 1170-1172.
- 85) **Zahoor M**, Mabood F, Ullah F. 2014. Comparative Study of Different Metals in Rocks of Heroshah Malakand Pakistan, *Pakistan Chemical Society*, 36 (5) 939-947.
- 86) **Zahoor M**, Sangeen M, Naz S, 2014. Antibacterial, antifungal and antioxidant activities of honey collected from Timergara (Dir, Pakistan). *Pak. J. Pharm. Sci.*, 27(1):45-50.
- 87) **Zahoor M**. et al., 2014. Antibacterial Activities of Methanolic Extracts of Aerial Parts of *Delphinium Uncinatum Hook's & Thoms.* *Sci. Tech and Dev.* 33(2) 77-79.
- 88) **Zahoor, M.** 2014, Magnetic adsorbent used in combination with ultrafiltration membrane for the removal of surfactants from water. *Desalination and water treatment*, 52 (16-18) 3104-3114.
- 89) **Zahoor M**, 2014. Removal of humic acid from water through adsorption-ultrafiltration hybrid processes. *Desalination and water treatment*, 52 (40-42) 7983-7992.
- 90) Khan FA, **Zahoor M**, et al., 2014. A general introduction to medicinal plants and *silybum marianum*. *Life Science Journal*. 11(9s) 471-481.
- 91) Ullah N, Khan S, **Zahoor M**, 2014. Inhibition of toxigenic fungi in Poultry feed using powdered plants. *Life Science Journal*. 11(7s) 511-519.
- 92) Ullah N, **Zahoor M**, Khan FA, Khan S, 2014. A review on general introduction to medicinal plants, its phytochemicals and role of heavy metal and inorganic constituents. *Life Science Journal*. 11(7s) 520-527.
- 93) Khan FA, **Zahoor M**, 2014. Preservation of poultry feed by using different powdered plants. *Life Science Journal*. 11(1s) 9-14.
- 94) **Zahoor M**, Khan FA et al., 2014. Assessment of Mycobiota and Aflatoxins in Poultry Feeds Collected from Poultry Farms. *Journal of pure and applied microbiology*. 8 (s2) 437-445.
- 95) **Zahoor M**, Naz S, Fahim-Ullah S, 2013. Microbial evaluation of branded and unbranded milk sold in the city of Chakdara, Dir (Lower) Pakistan. A pilot study. *the Health*, 4(1): 7-9.
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Research Projects

1. Characterization, Isolation and Production of Natural Antioxidants from Medicinal Plants. Funded by Higher Education of Pakistan (of worth PKR= 7.6 million). Status: completed (No: 2515).
2. Evaluation of Phytochemicals, Inorganic profile, Antioxidant and Biological Activities of *Ranunculus muricatus*. Funded by Higher Education of Pakistan (of worth PKR= 0.5 million). Status: completed (*PM-IPFP/HRD/HEC/2011/3393*).
3. Removal of some organic substances from water through adsorption–filtration and adsorption-membrane hybrid systems. Funded by BAP Istanbul University Turkey (of worth TL = 15000). Status: completed (No: 3822).

Number of M.Phil/PhD produced

1. PhD Produced = 11
2. M.Phil produced = 20
3. Master and BS (thesis) = 56

Awards and scholarships

1. Research productivity award from PCST (2015)
2. Research productivity award from PCST (2013)
3. Young chemist support award for 44th IUPAC congress (2013), Istanbul Turkey
4. Cultural exchange scholarship of Turkey Government (2006)

International Conferences/Symposiums/Workshops Organized:

- 1) Chemical Engineering 2nd International conference of Mehran University Pakistan. (2018).
Keynote Speaker.
- 2) Seminar “Global Warming” Pakistan Science Foundation. (2018)
- 3) Seminar “scope of biochemistry” GPDC Dargai. (2017). Pakistan
- 4) International Students symposium (2015), Istanbul Turkey.
- 5) 44th IUPAC congress (2013), Istanbul Turkey.
- 6) European conference on chemical education (EuChem), 2009, Istanbul Turkey.
- 7) Workshop on antioxidant measurement assay, 2010, Istanbul Turkey.

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