

### Year-wise List of Publications- Department of Chemistry

478.	Co Anchored B <sub>36</sub> Cluster as a Novel Single Atom Catalyst for Removing Toxic CO Molecules: A Mechanistic First-Principles Study	ChemistrySelect	2022	Adnan Ali Khan, Rahmat Ullah, Mehdi D. Esrafil, <u>Rashid Ahmad</u> and Iftikhar Ahmad,
477.	Modification of sludge-based biochar using air roasting-oxidation and its performance in adsorption of uranium(VI) from aqueous solutions	J. Colloid Interface Sci.	2022	Yiwei Sun, Baiyan Zeng, Yatang Dai, Xiangjing Liang, Lijuan Zhang, <u>Rashid Ahmad</u> and Xintai Su
476.	Selective sensing of NH <sub>3</sub> and CH <sub>2</sub> O molecules by novel 2D porous hexagonal boron oxide (B <sub>3</sub> O <sub>3</sub> ) monolayer: A DFT approach	Surf. Interfaces	2022	Najib Ur Rahman, Adnan Ali Khan, Rahmat Ullah, <u>Rashid Ahmad</u> and Iftikhar Ahmad
475.	DFT investigation of adsorption of nitro-explosives over C <sub>2</sub> N surface: Highly selective towards trinitro benzene	J. Mol. Liq.	2022	Sehrish Sarfaraz, Muhammad Yar, Adnan Ali Khan, <u>Rashid Ahmad</u> and Khurshid Ayub
474.	Facile Synthesis of the Shape-Persistent 4-Hydroxybenzaldehyde Based Macrocycles and Exploration of their Key Electronic Properties: An Experimental and DFT Approach	ChemistrySelect	2022	Mumtaz Ali, Abdul Latif, Saeeda Bibi, Sardar Ali, Akbar Ali, Manzoor Ahmad, <u>Rashid Ahmad</u> , Adnan Ali Khan, Ajmal Khan, Alany Ingrid Ribeiro, Ahmed Al-Harrasi, and Umar Farooq
473.	Revealing the Quasiparticle Electronic and Excitonic Nature in Cubic, Tetragonal and Hexagonal Phases of FAPbI <sub>3</sub>	AIP Advances	2022	Zeeshan Muhammad1, Peitao Liu, <u>Rashid Ahmad</u> , Saeid Jalali-Asadabadi, Cesare Franchini and Iftikhar Ahmad
472.	Nano-porous C <sub>4</sub> N as a toxic pesticide's scavenger: A quantum chemical approach	J. Mol. Graph. Model.	2022	Misbah Asif, Hasnain Sajid, Khurshid Ayub, Adnan Ali Khan <u>Rashid Ahmad</u> , Muhammad Ans and Tariq Mahmood
471.	A Biologically Compatible Colorimetric Sensor for the Selective Recognition of Cu <sup>2+</sup> Ions in Biological Matrices	ChemistrySelect	2022	M. Fazal, I. Ali, F. Ahmed, S. Khalid, T. A. Farghaly, I. I. Althagafi, I. Khan, M. Ali, M. Ateeq and M. R. Shah

470.	A colorimetric probe sensor based on triazoles for detecting ammonium sulfate in laboratory tap water and blood plasma	Journal of Molecular Structure	2022	M. Fazal, I. Ali, M. Imran, F. Ahmed, T. A. Farghalya, I. I. Althagafi, M. Ali and M. R. Shah
469.	A study on Green Synthesis, Characterization of Chromium oxide Nanoparticles and their Enzyme Inhibitory Potential.	Frontiers in Pharmacology	2022	Zainab, S. Ahmad, I. Khan, K. Saeed, H. Ahmad, A. Alam, M. Almeahadi, A. A. Alsaiani, Yu Haitao, Manzoor Ahmad.
468.	Activated Sawdust-Based Adsorbent for the Removal of Basic Blue 3 and Methylene Green from Aqueous Media	Adsorption Science & Technology	2022	Najeeb Ur Rahman, Wasim Bahadar, Sultan Alam, Muhammad Zahoor, Ivar Zekker, Farhat Ali Khan, Riaz Ullah, Essam A Ali
467.	Antioxidant, antinociceptive, anti-inflammatory and hepatoprotective activities of pentacyclic triterpenes isolated from Ziziphus oxyphulla Edgew.	Drug and Chemical Toxicology.	2022	Abdullah, M. A. Khan, W. Ahmad, Manzoor Ahmad, A. Adhikari, M. Ibrar, Maqsood ur Rehman and M. Asif.
466.	Application of alkaline phosphatase to assess the health of Oreochromis niloticus exposed to organophosphates and synthetic pyrethroid pesticides in vivo	Journal of Hazardous, Toxic and Radioactive Waste	2022	Muhammad Amin, Masarrat Yousuf, Naveed Ahmad, Mohammad Attaullah, Saeed Ahmad, Ivar Zekker, Mehreen Latif, Islam Dad Buneri, Ayaz Ali Khan, Hazrat Ali, Muhammad Ikram, Ghulam Nabi, Mohamad Nor Azra, Luqman Ali Shah,
465.	Attenuation of Scopolamine-Induced Amnesia via Cholinergic Modulation in Mice by Synthetic Curcumin Analogs.	Molecules,	2022	H. Hussain, S. Ahmad, S. W. A. Shah, A. Ullah, N. Ali, M. Almeahadi, Manzoor Ahmad, A. A. K. Khalil, S. B. Jamal, H. Ahmad and M. Halawi.
464.	Bio-Oriented Synthesis of Novel (S)-Flurbiprofen Clubbed Hydrazone Schiff's Bases for Diabetic Management: In Vitro and In Silico Studies	Pharmaceuticals	2022	A. Alam, M. Ali, N. U. Rehman, S. Ullah, S. A. Halim, A. Latif, A. Khan, O. Ullah, S. Ahmad and A. Al-Harrasi
463.	Co Anchored B36 Cluster as a Novel Single Atom Catalyst for Removing Toxic CO Molecules: A Mechanistic First-Principles Study	ChemistrySelect	2022	Adnan Ali Khan, Rahmat Ullah, Mehdi D. Esrafil, <u>Rashid Ahmad</u> and Iftikhar Ahmad

462.	Development of [(2E, 6E)-2, 6-bis (4-(dimethylamino) benzylidene) cyclohexanone] as fluorescence-on probe for Hg <sup>2+</sup> ion detection: Computational aided experimental studies	<i>Arabian Journal of Chemistry</i>	2022	Khan, Jehangir, Maria Sadia, Syed Wadood Ali Shah, Muhammad Zahoor, Khalaf F. Alsharif, and Fakhria A. Al-Joufi.
461.	DFT investigation of adsorption of nitro-explosives over C <sub>2</sub> N surface: Highly selective towards trinitro benzene	<i>J. Mol. Liq.</i>	2022	Sehrish Sarfaraz, Muhammad Yar, Adnan Ali Khan, <u>Rashid Ahmad</u> and Khurshid Ayub
460.	Eco-friendly control of <i>Culex quinquefasciatus</i> Say (Diptera: Culicidae) through botanical insecticides and predatory insects	<i>Pakistan Journal of Zoology</i>	2022	Mirza Gul, Muhammad Zahid, Ikram Ilahi, Hazrat Ali, Fida Hussain and Muhammad Anwar Sajad
459.	Ecology of House Crow ( <i>Corvus splendens</i> ) in Dir Lower, Khyber Pakhtunkhwa, Pakistan	<i>Pakistan Journal of Zoology</i>	2022	Sohail Anjum, Awais Ahmad, Farzana Bibi and Hazrat Ali
458.	Effect of Microwave Irradiation on the Catalytic Activity of Tetragonal Zirconia: Selective Hydrogenation of Aldehyde	<i>Arabian Journal for Science and Engineering</i>	2022	Z. Iqbal, S. Sadiq, M. Sadiq, I. Khan, K Saeed
457.	Efficient photodegradation of orange II dye by nickel oxide nanoparticles and nanoclay supported nickel oxide nanocomposite	<i>Applied Water Science</i>	2022	N. A. Khan, K. Saeed, I. Khan, T. Gul, M. Sadiq, A. Uddin, I. Zekker
456.	Enhanced photocatalytic potential of TiO <sub>2</sub> nanoparticles in coupled CdTiO <sub>2</sub> and ZnCdTiO <sub>2</sub> nanocomposites	<i>Environmental Science and Pollution Research</i>	2022	S. Khan, M. Sadiq, N. Muhammad
455.	Facile Synthesis of the Shape-Persistent 4-Hydroxybenzaldehyde Based Macrocycles and Exploration of their Key Electronic Properties: An Experimental and DFT Approach.	<i>ChemistrySelect</i>	2022	M. Ali, A. Latif, S. Bibi, S. Ali, A. Ali, Manzoor Ahmad, R. Ahmad, A. A. Khan, A. Khan, A. I. Ribeiro, A. Al-Harrasi, U. Farooq.

454.	Green Synthesis of Gold Nanoparticles Using Delphinium Chitralense Tuber Extracts, their Characterization and Enzyme Inhibitory Potential.	Brazilian Journal of Biology,	2022	S. Ahmad, Zainab, H. Ahmad, I. Khan, S. Alghamdi, M. Almeahmadi, M. Ali, A. Ullah, H. Hussain, N. M. Khan, F. Ali, Manzoor Ahmad.
453.	Green Synthesis of Silver Oxide Microparticles Using Green	Catalysis	2022	Iqra, Rozina Khattak, Bushra Begum, Raina Aman Qazi, Hajera Gul, Muhammad Sufaid Khan, Sanaullah Khan, Naheed Bibi, Changseok Han and Najeeb Ur Rahman
452.	Highly selective and sensitive spectrofluorimetric method for determination of cypermethrin in different environmental samples	Environmental Monitoring and Assessment	2022	M. Muhammad, S. Khan, G. Rahim, W. Alharbi, K. H. Alharbi
451.	In Vitro and In Silico Investigation of Diterpenoid Alkaloids Isolated from Delphinium chitralense.	Molecules,	2022	S. Ahmad, Manzoor Ahmad, M. Almeahmadi, S. A. A. Shah, F. A. Khan, N. M. Khan, A. Khan, Zainab, M. Halawi and H. Ahmad.
450.	Isolation, Crystal Structure, DFT Calculation and Molecular Docking of Uncinatine-A Isolated from Delphinium uncinatum.	Fitoterapia,	2022	S. Ahmad, N. Gul, Manzoor Ahmad, M. Almeahmadi, A. Shafie, S. A. A. Shah, N. Rahman and H. Ahmad.
449.	Mercaptobenzimidazole-Based 1, 3-Thiazolidin-4-ones as Antidiabetic Agents: Synthesis, In Vitro $\alpha$ -Glucosidase Inhibition Activity, and Molecular Docking Studies	ACS omega	2022	S. A. Khan, M. Ali, A. Latif, M. Ahmad, A. Khan and A. Al-Harrasi
448.	Modification of sludge-based biochar using air roasting-oxidation and its performance in adsorption of uranium(VI) from aqueous solutions	J. Colloid Interface Sci.	2022	Yiwei Sun, Baiyan Zeng, Yatang Dai, Xiangjing Liang, Lijuan Zhang, <u>Rashid Ahmad</u> and Xintai Su
447.	Nano-porous C <sub>4</sub> N as a toxic pesticide's scavenger: A quantum chemical approach	Journal of Molecular Graphics and Modelling	2022	Misbah Asif, Hasnain Sajid, Khurshid Ayub, Adnan Ali Khan <u>Rashid Ahmad</u> , Muhammad Ans and Tariq Mahmood

446.	Novel 5-(Arylideneamino)-1H-Benzo[d]imidazole-2-thiols as Potent Anti-Diabetic Agents: Synthesis, In Vitro $\alpha$ -Glucosidase Inhibition, and Molecular Docking Studies.	ACS Omega	2022	S. Ali, M. Ali, A. Khan, S. Ullah, M. Waqas, A. Al-Harrasi, A. Latif, Manzoor Ahmad and M. Saadiq.
445.	Novel Bis-Schiff's base derivatives of 4-nitroacetophenone as potent $\alpha$ -glucosidase agents: Design, synthesis and In Silico approach.	Bioorganic Chemistry	2022	A. Alam, M. Ali, A. Latif, N. Rehman, S. Saher, Zainab, Faryal, A. Khan, S. Ullah, O. Ullah, S. A. Halim, F. Sani, A. Al-Harrasi and Manzoor Ahmad.
444.	Novel magnetite nanocomposites (Fe <sub>3</sub> O <sub>4</sub> /C) for efficient immobilization of Ciprofloxacin from aqueous solutions through adsorption and membrane	Water	2022	M. Zahoor, A. Ullah, S. Alam, M. Muhammad, R. H. Setyobudi, I. Zekker, A. Sohail
443.	Novel Polyhydroquinoline-Hydrazide-Linked Schiff's Base Derivatives: Multistep Synthesis, Antimicrobial, and Calcium-Channel-Blocking Activities	Antibiotics	2022	H. Yu, N. U. Rehman, M. Ali, A. Alam, A. Latif, N. Shahab, I. Amir Khan, A. Jabbar Shah, M. Khan and A. Al-Ghafri
442.	Photocatalytic degradation of methyl orange and toluidine blue using advanced oxidation methods	Desalination and Water Treatment	2022	Sadia, Maria, Aminullah Saqib, Jehangir Khan, Muhammad Zahoor, and Ivar Zekker.
441.	Recent advances in colorimetric and fluorescent chemosensors based on thiourea derivatives for metallic cations: A review	Dyes and Pigments	2022	M. Muhammad, S. Khan, S. A. Shehzadi, Z. Gul, H. M. Al-Saidi, A. W. Kamran, F. A. Alhumaydhi
440.	Removal of Methylene Blue from Aqueous Solution Using Black Tea Wastes: Used as Efficient Adsorbent	Adsorption Science & Technology	2022	A. Ullah, M. Zahoor, W. U. Din, M. Muhammad, F. A. Khan, A. Sohail, R. Ullah, E. A. Ali, and H. C. A. Murthy
439.	Removal of Noxious Cr (VI) and Cr (III) Ions by Hierarchically Tailored Pseudo-Monolithic Silica/Activated Carbon Composite.	Medicon Pharmaceutical Sciences	2022	Saad Melhi, Saeed Ullah Jan*, Faiz Ali, Muhammad Absar Kan, Sana Begum, Khan Badsha and Muhammad Sufaid Khan
438.	Removal of Safranin-T and Toluidine from Water through Gum Arabic/Acrylamide Hydrogel	Adsorption Science & Technology	2022	Salma Jabeen, Sultan Alam, Luqman Ali Shah, Muhammad Zahoor, Najeeb Ur

				Rahman, Farhat Ali Khan, Riaz Ullah, Essam A Ali, HC Murthy, Aamir Sohail
437.	Revealing the Quasiparticle Electronic and Excitonic Nature in Cubic, Tetragonal and Hexagonal Phases of FAPbI <sub>3</sub>	AIP Advances	2022	Zeeshan Muhammad <sup>1</sup> , Peitao Liu, <u>Rashid Ahmad</u> , Saeid Jalali-Asadabadi, Cesare Franchini and Iftikhar Ahmad
436.	Schiff Bases Derived from 2-Amino-6-methylbenzothiazole, 2-Amino-5-chloropyridine and 4-Chlorobenzaldehyde: Structure, Computational Studies and Evaluation of Biological Activity	ChemistrySelect	2022	M. Hanif, N. Kosar, T. Mahmood, M. Muhammad, F. Ullah, M. N. Tahir, A. I. Ribeiro, E. Khan
435.	Selective hydrogenation of cinnamaldehyde to cinnamyl alcohol over palladium/zirconia in microwave protocol	Catalysis Today	2022	Z. Iqbal. M. Sadiq, S. Sadiq, K. Saeed
434.	Selective Removal of the Emerging Dye Basic Blue 3 via Molecularly Imprinting Technique.	Molecules	2022	Maria Sadia, Izaz Ahmed, Faiz Ali, Muhammad Zahoor, Riaz Ullah, Farhat Ali Khan, Essam A. Ali, Amir Sohail
433.	Selective sensing of NH <sub>3</sub> and CH <sub>2</sub> O molecules by novel 2D porous hexagonal boron oxide (B <sub>3</sub> O <sub>3</sub> ) monolayer: A DFT approach	Surfaces and Interfaces	2022	Najib Ur Rahman, Adnan Ali Khan, Rahmat Ullah, Rashid Ahmad, Iftikhar Ahmad
432.	Sodium alginate grafted hydrogel for adsorption of methylene green and use of the waste as an adsorbent for the separation of emulsified oil	Journal of Water Process Engineering	2022	Hanif Subhan, Sultan Alam, Luqman Ali Shah, Noor Saeed, Ivar Zekker
431.	Sulfonylbis (acylhydrazones) as anticholinesterase inhibitors: Synthesis, in vitro biological evaluation and computational studies	Journal of Molecular Structure	2022	M. Ibrahim, A. Latif, M. Ahmad, S. Ahmad, A. Ali, A. B. Siddique, M. Saadiq, N. Akbar, A. Khan and A. Al-Harrasi

430.	Synthesis of monolith silica anchored graphene oxide composite with enhanced adsorption capacities for carbofuran and imidacloprid.	Scientific Reports,	2022	Musa Khan, Mian Muhammad, Zeid A. AlOthman, Won Jo Cheong, Faiz Ali*.
429.	Synthesis, Bioactivity Assessment, and Molecular Docking of Non-sulfonamide Benzimidazole-Derived N - Acylhydrazone Scaffolds as Carbonic Anhydrase-II Inhibitors.	ACS Omega,	2022	<u>M. Saadiq, G. Uddin, A. Latif, M. Ali, N. Akbar, Ammara, S. Ali, Manzoor Ahmad, M. Zahoor, A. Khan and A. Al-Harrasi.</u>
428.	Synthesis, Characterization and Applications of Schiff Base Chemosensor for Determination of Cr (III) Ions	Journal of Fluorescence	2022	S. Khan, M. Muhammad, J. S. Algethami, H. M. Al-Saidi, A. Almahri, A. A. Hassanian
427.	Synthesis, characterization, and applications of schiff base chemosensor for determination of Cu <sup>2+</sup> ions	Journal of Saudi Chemical Society	2022	S. Khan, M. Muhammad, H. M. Al-Saidi, A. A. Hassanian, W, Alharbi, K. H. Alharbi
426.	Synthesis, Characterization, Antimicrobial and Calcium Channel Blocking (CCB) Activities of Novel Polyhydroquinoline (PHQ) Derivatives.	Antibiotics.	2022	Zainab, Yu Haitao, M. Ali, A. Alam, N. ur Rahman, A. Latif, N. Shahab, I. A. Khan, A. J. Shah, M. Khan, A. Al-Harrasi, Manzoor Ahmad.
425.	Synthesis, column packing and liquid chromatography of molecularly imprinted polymers for the acid black 1, acid black 210, and acid Brown 703 dyes	RSC Advances	2022	Faiz Ali*, Zuber Shah, Alamgir Khan, Maria Saadia, Zeid A. AlOthman, Won Jo Cheong
424.	Synthetic Mono-carbonyl Curcumin Analogues Attenuates Oxidative Stress in Mice Models.	Biomedicines,	2022	H. Hussain, S. Ahmad, S. W. A. Shah, A. Ullah, S. Rahman, Manzoor Ahmad, M. Almeahadi, O. A. Aziz, M. Allahyani, A. A. Alsaiari, M. Halawi, E. Alamer.
423.	The role of selected odonate nymphs in biological control of Culex quinquefasciatus larvae, and effect of glyphosate herbicide on their predatory performance	International Journal of Tropical Insect Science	2022	Sami Ullah Khan, Sardar Azhar Mehmood, Hazrat Ali, Waqas Waqas and Bakht Rahbar

422.	TiO <sub>2</sub> and its binary Zn iO <sub>2</sub> and ternary CdZnTiO <sub>2</sub> nanocomposites as efficient photocatalysts for the organic dyes degradation	Applied Water Science	2022	S. Khan, M. Sadiq, D. Kim, M. Ullah, N. Muhammad
421.	Utilization of Biomass (Eucalyptus Lanceolata) as an Adsorbent - Removal of Methylene Blue from Wastewater	J. Mex. Chem. Soc.	2022	Inamullah Mian, Sultan Alam, Noor Rehman, Hidayat Ullah
420.	Utilization of cross-linked chitosan for cobalt adsorption and its reutilization as a photocatalyst for the photodegradation of methyl violet dye in aqueous medium	Applied Water Science	2022	N. Khan, I. Khan, N. Zada, M. Sadiq, K. Saeed
419.	2, 6-Bis (E)-4-Methylbenzylidene)-Cyclohexan-1-One As A Fluorescent-On Sensor For Ultra-Selective Detection Of Chromium Ion In Aqueous Media	Research Square	2021	M Sadia, J Khan, SWA Shah, R Naz, Faiz Ali
418.	A Facile Approach Based on Functionalized Silver Nanoparticles as a Chemosensor for the Detection of Paraquat	Journal of Cluster Science	2021	Ali, Shujat, Muhammad Raza Shah, Sajid Hussain, Sikandar Khan, Abdul Latif, Manzoor Ahmad, and Mumtaz Ali
417.	A scaffolded approach to unearth potential antibacterial components from epicarp of Malaysian Nephelium lappaceum L.	Scientific Reports	2021	Ali Asghar, Yong Chiang Tan, Mohammad Zahoor, Syafiq Asnawi, Yoon Yen Yow, Ezzat Khan and Chandrajit Lahiri
416.	A Step Towards Efficient Clinical Diagnosis: Monolithic Silica particles Modified with Polystyrene as an Efficient Stationary Phase in Liquid Chromatography	Acta Scientific Clinical Case Reports	2021	Faiz Ali and Munazzah
415.	Activated Ailanthus altissima Sawdust as Adsorbent for Removal of Acid Yellow 29 from Waste water: Kinetics Approach	Water	2021	Najeeb ur Rahman, Ihsan Ullah, Sultan Alam, Muhammad Sufaid Khan, Luqman Ali Shah, Ivar Zekker, Juris Burlakovs, Anna Kallistova, Nikolai Pimenov, Zane Vincevica-Gaile, Yahya Jani and Mohammad Zahoor



414.	Adsorption of Cetyltrimethylammonium Bromide (CTAB) Surfactant from Wastewater Used of Crossbreed Pilot Plant Membrane Technology	Tenside Surf. Det.	2021	Muhammad Zahoor, Muhammad Ali, Muhammad Sufaid Khan
413.	Antiglycation potential of Indigoferin A, Indigoferin B and Indigoferin C natural products from Indigofera heterantha Brandis	Clinical Phytoscience	2021	A. Khan, A. Khan, Manzoor Ahmad, M. Ali, U. Farooq, F. A. Khan, S. M. Bukhari.
412.	Antioxidant, antinociceptive, anti-inflammatory and hepatoprotective activities of pentacyclic triterpenes isolated from Ziziphus oxyphulla Edgew	Drug and Chemical Toxicology	2021	Abdullah, M. A. Khan, W. Ahmad, Manzoor Ahmad, A. Adhikari, M. Ibrar, Maqsood ur Rehman and M. Asif.
411.	Bioaccumulation of selected toxic heavy metals in Mastacembelus armatus from three rivers of Malakand Division, Pakistan	Pakistan Journal of Zoology	2021	Hazrat Ali and Ezzat Khan
410.	Biomedical applications of Scutellaria edelbergii Rech. f. In vitro and In vivo approach.	Molecules	2021	M. Shah, W. Murad, N. Rehman, S. A. Halim, Manzoor Ahmad, H. Rahman, M. Zahoor, S. Mubin, A. Khan, M. A. Nassan, G. Batiha, A. Al- Harrasi.
409.	Catalytic effect of 1,4-Dioxane on the kinetics of the oxidation of iodide by dicyanobis(bipyridine) Iron(III) in water.	Catalysts	2021	Rozina khattak, Muhammad Sufaid Khan et al.
408.	Catalytic Hydrogenation of Carbon Dioxide over Magnetic Nanoparticles: Modification in Fixed-Bed Reactor	Catalysts	2021	Sadiq et al.
407.	Conditions Optimization and Physicochemical Analysis of Oil Obtained by Catalytic Pyrolysis of Scrap Tube Rubber Using MgO as Catalyst	Catalysts	2021	Riaz Muhammad, Yousaf Ali, Younes Messaddeq, Haroon ur Rashid, Marco Antonio Utrera Martines, Muhammad Naveed Umar, Sher Wali Khan and Ali Riaz
406.	Effect of Microwave Irradiation on the Catalytic Activity of Tetragonal Zirconia: Selective Hydrogenation of Aldehyde	Arabian Journal for Science and Engineering	2021	Z. Iqbal, S.Sadiq, M. Sadiq, I. Khan, K Saeed

405.	Enhancing dissolution rate and antibacterial efficiency of Azithromycin through drug-drug cocrystals with paracetamol	Antibiotic	2021	Noor Ul Islam, Ezzat Khan, Muhammad Naveed Umar, Attaullah Shah, Muhammad Zahoor
404.	Fabrication of a green and sensitive fluorescent probe for determination of sparfloxacin in biological samples and drug formulations	Phys. Scr.	2021	M. Muhammad, B. Ara, F. Ali, I. Ullah
403.	Functionalized multi walled carbon nanotubes supported copper-titania nanoparticles for oxidation of Cinnamyl Alcohol under mild reaction conditions	Journal of King Saud University - Science	2021	Z. Iqbal, M. Sadiq, M. Sufaid Khan, T. Iqbal, M. Ali, M. Zahoor, R. Ullah, H.S. Almoallim, S. Ali Alharbi
402.	Green Synthesis, Characterization and Cholinesterase Inhibitory Potential of Gold Nanoparticles.	Journal of the Mexican Chemical Society	2021	Zainab, K. Saeed, Ammara, S. Ahmad, H. Ahmad, F. Ullah, A. sadiq, A. Uddin, I. Khan and Manzoor Ahmad.
401.	Kinetics of the Oxidation of Iodide by Dicyanobis (phenanthroline)iron(III) in Binary Solvent System.	International Journal of Chemical Kinetics	2021	Rozna Khattak, Muhammads Sufaid Khan, Shazia Summer, Rizwan Ullah, Humaira Afridi, Zainab Rehman, Summyia Masood, Hamsa Noreen, Raina Aman Qazi, Bushra Begum
400.	Larvicidal potential of different chromatographic fractions of the n-hexane extract of Artemisia scoparia against the vector mosquito Culex quinquefasciatus	International Journal of Tropical Insect Science	2021	Mirza Gul, Muhammad Zahid and Hazrat Ali
399.	Macrocyclic sulfone derivatives: Synthesis, characterization, in vitro biological evaluation, and molecular docking.	Drug Development Research	2021	Ibrahim, Muhammad, Abdul Latif, Akbar Ali, Alany Ingrid Ribeiro, Umar Farooq, Farhat Ullah, Ajmal Khan, Ahmed Al-Harrasi, Manzoor Ahmad, and Mumtaz Ali
398.	Metal doped titania nanoparticles as efficient photocatalyst for dyes degradation	Journal of King Saud University – Science	2021	Maria Sadia, Robina Naz, Jehangir Khan, Muhammad Zahoor, Riaz Ullah , Rizwan Khan, Sumaira Naz , Hesham S. Almoallim, Sulaiman Ali Alharbi
397.	Mixed Mode Open Tubular Column for Peptide Separations by Capillary Electrochromatography.	Journal of Separation Science	2021	Faiz Ali, Zeid A. AlOthman, Nora Hamad Al-Shaalan

396.	Mn-doped ZnS quantum dots as sensitive sensor for determination of ciprofloxacin in pharmaceutical and biological samples	J. Chil. Chem. Soc.	2021	M. Muhammad, B. Ara, F. Ali, I. Ahmad, H. Ullah
395.	Morphology, Properties and Application of Iron Oxide/Polycaprolactone Nanocomposites	J. Chem. Soc. Pak	2021	K. Saeed, N. Khan, T. Shah and M. Sadiq
394.	Novel Nitrogen-Doped KFeS <sub>2</sub> /C Composites for Efficient Removal of Cr(VI)	Environ. Sci. Nano.	2021	Qiaohong Su, Adnan Ali Khan, Zhi Su, Chen Tian, Xiaoqin Li, Jiahua Gu, Ting Zhang, Rashid Ahmad, Xintai Su and Zhang Lin
393.	Organo-Clay as adsorbent for removal of fenoxaprop-p-ethyl from water samples; A statistical approach	J. Chem. Soc. Pak.	2021	J. Shah, M. R. Jan, M. Muhammad, B. Ara, C. Ahmad
392.	Particle packed mixed-mode chromatographic stationary phase for the separation of peptide in liquid chromatography	J. Sep. Sci.	2021	F. Ali, W. J. Cheong, A. Rafique, Z. A. Alothman, M. Sadia, M. Muhammad
391.	Preparation and characterization of catalysts and its application in microwave assisted degradation of Acid Orange-8	Desalin. Water. Treat.	2021	M. Sadiq, I. Ullah, Z. Iqbal, A. Wahid, A. Umar, Z. Iqbal, K. Saeed
390.	Preparation of activated carbon from the wood of paulownia tomentosa as efficient adsorbent for the removal of acid red 4 and methylene blue present in waste water.	Water	2021	Sultan Alam, Muhammad Sufaid Khan, Wahida bibi, Najeeb ur rahman, Ivar Zekker, Muhammad Zahoor
389.	Preparation of Pd–Ni Nanoparticles Supported on Activated Carbon for Efficient Removal of Basic Blue 3 from Water	Water	2021	Sultan Alam, Muhammad Sufaid Khan, Ali Umar, Rozina Khattak, Najeeb ur Rahman, Ivar Zekker
388.	Preparation of ZnO/Nylon 6/6 nanocomposites, their characterization and application in dye decolorization	Applied Water Science	2021	K. Saeed, I. Khan, M. Ahad, T. Shah, M. Sadiq, A. Zada, N. Zada
387.	Pyridine Derivatives as Biologically Active Precursors; Organics and Selected Coordination Complexes	ChemistrySelect	2021	Ezzat Khan
386.	Removal of Azo Dye from Aqueous Solution by a Low Cost Activated Carbon Prepared from Coal: Adsorption Kinetics, Isotherms Study and DFT Simulation	Environ. Sci. Pollut. Res.	2021	Saeed Ullah Jan, Aziz Ahmad, Adnan Ali Khan, Saad Melhi, Iftikhar Ahmad, Guohua Sun, Cheng-Meng Chen and Rashid Ahmad

385.	Removal of heavy metal ions from aqueous solution using Populus nigra sawdust based activated carbon	Desalin. Water. Treat.	2021	Mohammad Zahoor, Salman, Maria Sadia, Zahid Hussain, S. Alosaimi, M. Wahab Bajaur, Qaisar, Gul khan
384.	Removal of nitrous and carbon mono oxide from flue gases by Si-coordinated nitrogen doped C60-fullerene: A DFT approach	Mol. Catal.	2021	Adnan Ali Khan, Rashid Ahmad and Iftikhar Ahmad
383.	Research developments in the syntheses, anti-inflammatory activities and structure-activity relationships of pyrimidines	RSC Advances	2021	Haroon ur Rashid, Marco Antonio Utrera Martines, Adriana Pereira Duarte, Juliana Jorge, Shagufta Rasool, Riaz Muhammad, Nasir Ahmad and Muhammad Naveed Umar
382.	Schiff base ligand L synthesis and its evaluation as anticancer and antidepressant agent	Journal of King Saud University – Science	2021	Maria Sadia, Jehangir Khan, Robina Naz, Muhammad Zahoor, Syed Wadood Ali Shah, Riaz Ullah, Sumaira Naz, Ahmed Bari, Hafiz Majid Mahmood, Syed Saeed Ali, Siddique A. Ansari, Muhammad Sohaib
381.	Selective Adsorption of CO <sub>2</sub> from Gas Mixture by P-decorated C <sub>24</sub> N <sub>24</sub> Fullerene Assisted by an Electric Field: A DFT Approach	J. Mol. Graph. Model.	2021	Adnan Ali Khan, Rashid Ahmad and Iftikhar Ahmad
380.	Selective hydrogenation of cinamaldehyde to cinamyl alcohol over palladium/zirconia in microwave protocol	Catalysis Today	2021	Z. Iqbal. M. Sadiq, S. Sadiq, K. Saeed
379.	Silicon Carbide and III-Nitrides Nanosheets: Promising Anodes for Mg-ion Batteries	Mater. Chem. Phys.	2021	Adnan Ali Khan, Rashid Ahmad and Iftikhar Ahmad
378.	Sodium alginate grafted poly(N-vinyl formamide-co-acrylic acid)-bentonite clay hybrid hydrogel for sorptive removal of methylene green from wastewater	Colloids and Surfaces A	2021	Hanif Subhan, Sultan Alam, Luqman Ali Shah, Muhammad Waqas Ali, Muhammad Farooq
377.	Synthesis and Characterization of Pd-Ni Bimetallic Nanoparticles as Efficient Adsorbent for the Removal of Acid Orange 8 Present in Wastewater	Water	2021	Ali Umar, Muhammad Sufaid Khan, Sultan Alam, Ivar Zekker, Juris Burlakovs,

376.	Thiourea Derivatives, Simple in Structure but Efficient Enzyme Inhibitors and Mercury Sensors	Molecules	2021	F. Rehman, M. Bibi, E. Khan, A. B. Shah, M. Muhammad, M. N. Tahir, A. Shahzad, F. Ullah, M. Zahoor, S. Alamery, G. S. Batiha
375.	Tuning the Properties of Novel Magnetic Oxide via Co–Bi Co substitution Including Theoretical Background of Characterization Techniques	J. Supercond. Nov. Magn.	2021	Abdul Majeed, Muhammad Azhar Khan, Rashid Ahmad, Maria Yousaf Lodhi, Iftikhar Ahmad
374.	Viscometric and FTIR Studies of Chloroquine phosphate, Acefylline piperazine and Gentamicin sulfate in Aq-polyethylene glycol and Aq-polyvinyl pyrrolidone at Different Temperatures.	Arabian Journal of Chemistry	2021	Miss warda rehman, Summyia Masood; Samreen Begum; Ali Dad Chandio; Sameera Razi Khan; Lubna Gulnar; Rozina Khattak; Muhammad Sufaid Khan
373.	100 Micrometer bore open tubular capillary column modified with linear co-polymer chains for application in low pressure liquid chromatography.	Journal of Liquid Chromatography & Related Technologies	2020	Genlin Sun, Yune Sung Kim, Jeong Soo Kim, Faiz Ali, Hyun Joo An, Won Jo Cheong
372.	2-Amino-3-methylpyridinium, 2-amino-4-methylbenzothiazolium and 2-amino-5-chloropyridinium salts. Experimental and theoretical findings	Journal of Molecular Structure	2020	Muhammad Hanif, Ezzat Khan, Muhammad Khalid, Muhammad NawazTahir, Sara F. A. Morais, Atualpa A. C. Braga
371.	2-Mercaptobenzimidazole Derivatives as Novel Butyrylcholinesterase Inhibitors: Biology-Oriented Drug Synthesis (BIODS), In-Vitro and In-Silico Evaluation	J. Chem. Soc. Pak	2020	Muhammad Yousaf, Momin Khan, Mumtaz Ali, Abdul Wadood, Ashfaq Ur Rehman, Muhammad Saeed Jan, Abdul Sadiq andFaima Alam
370.	A high-throughput method for dereplication and assessment of metabolite distribution in Salvia species using LC-MS/MS	Journal of Advanced Research	2020	F. Haq, A. Ali, M. N. Khan, N. Akhtar, Manzoor Ahmad and S. G. Musharraf.
369.	Antimalarial Diterpenoids from Vitex rotundifolia: Isolation, Structure Elucidation, and In vitro Antiplasmodial Activity.	Bioorganic Chemistry	2020	You Ah Kim, Abdul Latif, Chang-Suk Kong, Youngwan Seo, Seema R. Dalal, Maria B. Cassera, and David GI Kingston.
368.	Attenuation of Spatial Memory in 5xFAD Mice by Halting Cholinesterases, Oxidative Stress and Neuroinflammation Using a Cyclopentanone Derivative	Pharmaceuticals	2020	Rahim Ullah , Gowhar Ali, Nisar Ahmad, Muhammad Akram, Geeta Kumari,

				Muhammad Usman Amin and Muhammad Naveed Umar
367.	Bactericidal potentials of silver and gold nanoparticles stabilized with cefixime: a strategy against antibiotic-resistant bacteria	Journal of Nanoparticles Research	2020	Shujat Ali & Samina Perveen & Muhammad Raza Shah & Muhammad Zareef & Muhammad Arslan & Sajid Basheer & Shafi Ullah & Mumtaz Ali
366.	Bioaccumulation of some potentially toxic heavy metals in freshwater fish of River Shah Alam, Khyber Pakhtunkhwa, Pakistan	Pakistan Journal of Zoology	2020	Hazrat Ali, Ezzat Khan and Muhammad Jamal Nasir
365.	Characterization of phenolic compounds in two novel lines of <i>Pisum sativum</i> L. along with their in vitro antioxidant potential	Environmental Science and Pollution Research	2020	N. Nazir, M. Nisar, S. Ahmad, S. F. Wadood, T. Jan, M. Zahoor, Manzoor Ahmad, Abid Ullah.
364.	Correlation of Thermal Conductivity with Catalytic Activity of Nanoparticles: Oxidation of Benzyl Alcohol	Reaction Kinetics, Mechanisms and Catalysis	2020	S. Sadiq, M. Sadiq, K. Saeed, N. Rehman, Q. Ali
363.	Decomposition Kinetics of Levofloxacin: Drug-Excipient Interaction.	Zeitschrift für Physikalische Chemie.	2020	Jan Nisar, Mudassir Iqbal, Munawar Iqbal, Afzal Shah, Mohammad Salim Akhter, Sirajuddin, Razaqat Ali Khan, Israr Uddin, Luqman Ali Shah and Muhammad Sufaid Khan
362.	Density Functional Theory Study of Emerging Pollutants Removal from Water by Covalent Triazine Based Framework	J. Mol. Liq.	2020	Adnan Ali Khan, Iftikhar Ahmad and Rashid Ahmad
361.	Effect of Ionic Strength on the Redox Reaction of Dicyanobis (bipyridine) iron(III)-Iodide in Binary and Ternary Solvent Systems.	International Journal of Chemical Kinetics	2020	Rozina Khattak, Muhammads Sufaid Khan, Rizwan Ullah, Zainab, Sony, Mahnoor Ali, Wajeaha Rahman, Faryal Hakim, Kinat Ayaz, Zainab bibi
360.	Effect of Pb, Cd and Cu on survival and development of <i>Culex quinquefasciatus</i> (Diptera: Culicidae)	Chemistry and Ecology	2020	Ikram Ilahi, Ali Muhammad Yousafzai and Hazrat Ali

359.	Enhancement of photocatalytic potential and recoverability of Fe <sub>3</sub> O <sub>4</sub> nanoparticles by decorating over monoclinic zirconia	Journal of Environmental Health Science and Engineering	2020	I. Khan, N. Zada, I. Khan, M. Sadiq, K Saeed
358.	Estimation of Production Technology of Potsherds from Kaghan Valley (Mansehra) Using their Physical Properties as Basic Parameters	Journal of Asian Civilization	2020	Naveed Usman, Shakirullah and Rashid Ahmad
357.	Evaluation of antioxidant and antimicrobial activities on various extracts of Himalayan medicinal plants	Pakistan Journal of Pharmaceutical Sciences	2020	M. Ali, A. Latif, N. Rehman, K. Zaman, S. Mehsud, N. Akbar, Manzoor Ahmad and M. Arfan.
356.	Evaluation of chromium phytoremediation potential of some plant species of Dir Lower, Khyber Pakhtunkhwa, Pakistan	Acta Ecologica Sinica	2020	Muhammad Anwar Sajad, Muhammad Saleem Khan, Saraj Bahadur, Abdul Naeem, Hazrat Ali, Farwa Batool, Muhammad Shuaib, Muhammad Anwar Saleem Khan, and Saneya Batool
355.	Evaluation of neuroprotective and anti-amnesic effects of <i>Elaeagnus umbellata</i> Thunb. On scopolamine-induced memory impairment in mice.	BMC Complementary Medicine and Therapies	2020	Nausheen Nazir, Muhammad Zahoor, Mohammad Nisar, Nasiara Karim, Abdul Latif, Sajjad Ahmad, and Zia Uddin.
354.	Gold(I), Silver(I) and Copper(I) Complexes of 2,4,6-trimethylphenyl-3-benzoylthiourea; Synthesis and biological applications	Polyhedron,	2020	Umar Ali Khan, Amin Badshah, Muhammad Nawaz Tahir, Ezzat Khan
353.	Green synthesis of silver and gold nanoparticles using <i>Crataegus oxyacantha</i> extract and their urease inhibitory activities	Biotechnology and Applied Biochemistry	2020	S. Ali, M. Bacha, M. R. Shah, W. Shah, K. Kubra, A. Khan, Manzoor Ahmad, A. Latif, M. Ali.
352.	Heterogeneous Photodegradation of Industrial Dyes: An Insight to Different Mechanism and Rate Affecting Parameters,	Journal of Environmental Chemical Engineering	2020	I. Khan, K. Saeed, N. Ali, I. Khan, B. Zhang, M. Sadiq
351.	In Vitro $\alpha$ -glucosidase Inhibition and Computational Studies of Kaempferol Derivatives from <i>Dryopteris cyanida</i>	Current Topics in Medicinal Chemistry	2020	Surriya Amin , Barkat Ullah , Mumtaz Ali, Haroon Khan , Abdur Rauf , Sher Ali Khan and Eduardo Sobarzo-Sánchez5

350.	In vivo glucose-6-phosphatase inhibitory, toxicity and antidiabetic potentials of 2-picolyamine thioureas in Swiss albino mice,	Saudi Journal of Biological Sciences	2020	Sumaira Naz, Muhammad Zahoor, Muhammad Naveed Umar, Fatmah S. Al Qahtany, Yousif M. Elnahas, Riaz Ullah
349.	Influence of Cr and Zn substitution on structural, magnetic and dielectric properties of Sr <sub>2-x</sub> Zn <sub>x</sub> Ni <sub>2</sub> Fe <sub>28-y</sub> CryO <sub>46</sub> X-type hexagonal ferrite	Solid State Sci.	2020	Abdul Majeed, Muhammad Azhar Khan, Rashid Ahmad, Maria Yousaf Lodhi, Iftikhar Ahmad
348.	Influence of Electric Field on CO <sub>2</sub> Removal by P-Doped C <sub>60</sub> -Fullerene: A DFT Study	Chem. Phys. Lett.	2020	Adnan Ali Khan, Iftikhar Ahmad and Rashid Ahmad
347.	Investigation of Photocatalytic Potential Enhancement of Silica monolith decorated Tin oxide Nanoparticles through Experimental and theoretical study	New Journal of Chemistry	2020	I. khan, A. A. Khan, I. Khan, M. Usman, M. Sadiq, F. Ali, K. Saeed
346.	Investigation of the photocatalytic potential enhancement of silica monolith decorated tin oxide nanoparticles through experimental and theoretical studies	New Journal of Chemistry	2020	Idrees Khan, Adnan Ali Khan, Ibrahim Khan, Muhammad Usman, Muhammad Sadiq, Faiz Ali, Khalid Saeed
345.	Medicinal Importance, Coordination Chemistry with Selected Metals (Cu, Ag, Au) and Chemosensing of Thiourea Derivatives. A Review	Crit. Rev. Anal. Chem.	2020	E. Khan, S. Khan, Z. Gul, M. Muhammad
344.	MOF-derived nickel–cobalt bimetal oxide nanostructures as a cooperative catalyst for the reduction of 4-nitrophenol.	J Chem Technol Biotechnol	2020	Aslam Khan, Dandi Wei, Zhuan Wang, Xintai Su, Jide Wang, Sultan Alam, Lu Wang, Ronglan Wu, Anatoly S. Maloletnev and Chao Yang.
343.	Molecular salts of terephthalic acids with 2-aminopyridine and 2-aminothiazole derivatives as potential antioxidant agents; Base-Acid-Base type architectures	Journal Molecular Structure	2020	Ezzat Khan, Abdullah Khan, Zarif Gul, Farhat Ullah, M. Nawaz Tahir, Muhammad Khalid, Hafiz M. Asif, Sumreen Asim, Ataulpa A. C. Braga
342.	Molecular structure of 1,4-Bis(substituted-carbonyl)benzene: A combined Experimental and Theoretical Approach	Journal of Molecular Structure	2020	Ezzat Khan, Muhammad Khalid, Zarif Gul, Adnan Shahzad, Muhammad N. Tahir, Hafiz Muhammad Asif, Sumreen Asim, Ataulpa A. C. Braga.



341.	Nano-conjugates of Cefadroxil as Efficient Antibacterial Agent Against Staphylococcus aureus ATCC 11632	Journal of Cluster Science	2020	Shujat Ali, Samina Perveen, Mumtaz Ali, M. Raza Shah, Ezzat Khan, Arumugam S. Sharma, Huanhuan Li, Quansheng Chen
340.	New multitarget directed benzimidazole-2-thiol-based heterocycles as prospective anti-radical and anti-Alzheimer's agents.	Drug Development Research	2020	Abdul Latif, Samina Bibi, Sardar Ali, Ammara Ammara, Manzoor Ahmad, Ajmal Khan, Ahmed Al-Harrasi, Farhat Ullah, and Mumtaz Ali.
339.	Nickel phytoremediation potential of some plant species of the Lower Dir, Khyber Pakhtunkhwa, Pakistan	Limnological Reviews	2020	Muhammad A. Sajad, Muhammad S. Khan, Saraj Bahadur, Muhammad Shuaib, Abdul Naeem, Wajid Zaman, and Hazrat Ali
338.	Orientationally engineered 2D/3D perovskite for high efficiency solar cells	Sustainable Energy Fuels	2020	Muhammad Sohail Abbas, Sabir Hussain, Jinaqi Zhang, Boxin Wang, Chen Yang, Zhen Wang, Zhixiang Wei and Rashid Ahmad
337.	Phytochemicals, fatty acid profile and biological activities of Cedrela serrata Royle bark	ZEITSCHRIFT FUR ARZNEI& GEWURZPFLANZEN	2020	Muhammad Saadiq, Abdur Rauf, Mumtaz Ali, Nasim Jan, Ghias Uddin, Ruba Alamoudi, Omer Alamoudi, Sami Bawazeer, Mohamed Fawzy Ramadan
336.	Plant growth promotion and enhanced uptake of Cd by combinatorial application of Bacillus pumilus and EDTA on Zea mays L.	International Journal of Phytoremediation	2020	Kashif Hayat, Saiqa Menhas, Jochen Bundschuh, Pei Zhou, Nabeel Khan Niazi, Amna, Amjad Hussain, Sikandar Hayat, Hazrat Ali, Juncai Wang, Amir Abdullah Khan, Amjad Ali, Farooq Hussain Munis & Hassan Javed Chaudhary
335.	Plant mediated detoxification of lead, Cadmium and Chromium present in water using chemically modified Populus nigra leaves	Desalin. Water. Treat.	2020	Mohammad Zahoor, Salman, Maria Sadia, Zahid Hussain, S. Alosaimi, M. Wahab Bajaur, Qaisar, Gul khan

334.	Reduction of keto group in drimarene blue by <i>Aspergillus niger</i> : a predominant reason for Subsequent decolorization.	Fresenius Environ. Bulletin	2020	Sahibzada Muhammad Umar Khayam, Muhammad Zahoor, Ezzat Khan, Masood Shah
333.	Removal of Aliphatic Organic Acids from the Wastewater by using Adsorbents Obtained from Buffalo Droppings	Desalin. Water. Treat.	2020	Sultan Alam, Shahid Khan, Muhammad Sufaid Khan, Najeeb ur Rahman, Muhammad Zahoor
332.	Re-thinking Higher Education Curricula in the Era of Knowledge Economy: A Case Study of Course Codes in the National Curriculum of Pakistan	SJESR	2020	Itbar Khan, Iftikhar Ahmad and Rashid Ahmad
331.	Schiff base fluorescence-ON sensor L synthesis and its application for selective determination of cerium in aqueous media	Journal of Sensors	2020	Maria Sadia, Jahangir Khan, Robina Naz, Muhammad Zahoor, Ezzat Khan, Riaz Ullah, Ahmed Bari
330.	Selective removal of copper and cobalt from aqueous environment using new Cu(II) and Co(II) imprinted polymer and their determination by flame atomic absorption spectrophotometry	Desalin. Water Treat.	2020	B. Ara, M. Muhammad, Rani, T. U. H. Zia, K. Gul,
329.	Sensitivity of odonate nymphs to different classes of agricultural insecticides, frequently applied in Swat valley Pakistan	Applied Ecology and Environmental Research	2020	I Ilahi, AM Yousafzai, A Rahim, TU Haq, S Wahab, H Ali, Halimullah, M Farooq, H Muhammad, F Ullah, B Ahmad, S Ullah, and S Hussain
328.	Silica-based Nanomaterials as Designer Adsorbents to Mitigate Emerging Organic Contaminants from Water Matrices	J. Water Process. Eng.	2020	Shakeel Zeb, Nisar Ali, Zarshad Ali, Muhammad Bilal, Bushra Adalat, Sajjad Hussain, Saima Gul, Farman Ali, Rashid Ahmad, Sabir Khan and Hafiz M.N. Iqbal
327.	Structural, Microwave Permittivity, and Complex Impedance Studies of Cation (Cr, Bi, Al, In) Substituted SrNi-X Hexagonal Nano-Sized Ferrites	Ceram. Int.	2020	Abdul Majeed, Muhammad Azhar Khan, Maria Yousaf Lodhi, Rashid Ahmad, Iftikhar Ahmad
326.	Study of the histidine complex uranium (IV): Synthesis, spectrophotometric, magnetic, and electrochemical properties.	Bulletin of the Chemical Society of Ethiopia	2020	Misbah Nazir, Rozna Khattak, Muhammads Sufaid Khan, Iftikhar Imam Naqvi.

325.	Synergetic Effect of Calcium Doping on Catalytic Activity of Manganese Ferrite: DFT Study and Oxidation of Hydrocarbon	Crystals	2020	Z. Iqbal, S. Sadiq, M. Sadiq, M. Ali, K. Saeed, N. Rehman, M. Ilyas, S. Ullah, S. U. Jan, I. Ahmad, M. H. Shah
324.	Synthesis and Characterization of Functionalized Nanosilica for Zinc Ion Mitigation; Experimental and Computational Investigations	Molecules	2020	Zarshad Ali, Rashid Ahmad, W. Aslam Farooq, Aslam Khan, Adnan Ali Khan, Saira Bibi, Bushra Adalat, Mona A. Almutairi, Nafeesah Yaqub and Muhammad Atif
323.	Synthesis and characterization of graphene nanoplates supported silver nanoparticles with enhanced photocatalytic activity	Journal Materials Science	2020	T. Shah, M. Sadiq, K. Saeed
322.	Synthesis and characterization of Mn-Pt/AC nanoparticles and their photocatalytic and antibacterial applications	Journal of Dispersion Science and Technology	2020	T. Gul, I. Khan, S. Ali, M. Sadiq, K. Saeed
321.	Synthesis of co-polymeric hydrogels of acrylamide and 2-(hydroxyethyl methacrylate) and its use for the adsorption of basic blue 3 dye	Z. Phys. Chem	2020	Sultan Alam, Luqman Khan, Luqman Ali Shah, Noor-ul-Amin, Noor Rehman and Najeeb-ur-Rehman.
320.	Synthesis of zeolite-A from bagasse ash and removal of heavy metals from industrial effluents	Advances in Cement Research	2020	Noor-ul-Amin, Sabiha Sultana, Yousaf Hameed, Saeed Gul, Sultan Alam, Amir Naveed
319.	Synthesis of physically cross-linked gum Arabic-based polymer hydrogels with enhanced mechanical, load bearing and shape memory behavior	Iranian Polymer Journal	2020	Mansoor Khan, Luqman Ali Shah, Tanzilur Rehman, Abbas Khan, Anwar Iqbal, Mohib Ullah & Sultan Alam
318.	Synthesis, characterization, and pharmacological evaluation of thiourea Derivatives,	Open Chemistry	2020	Sumaira Naz, Muhammad Zahoor , Muhammad Naveed Umar, Saad Alghamdi, Muhammad Umar Khayam Sahibzada, Wasim UlBari
317.	Synthesis, crystal studies and biological evaluation of flavone derivatives	Pak. J. Pharm. Sci	2020	Mohammad Shoaib, Syed Wadood Ali Shah, Mehreen Ghias, Niaz Ali, Naveed Umar, Ismail Shah, Shafiullah,

				Muhammad Nisar, Tour Jan, Muhammad Nawaz Tahir
316.	Synthesis, Molecular Structure, Anti-microbial, Anti-oxidant and Enzyme Inhibition Activities of 2-Amino-6-methylbenzothiazole and its Cu(II) and Ag(I) Complexes	Journal of Molecular Structure	2020	Zarif Gul, Niqab Ud Din, Ezzat Khan, Farhat Ullah, Muhammad Nawaz Tahir
315.	Synthetic $\beta$ -hydroxy ketone derivative inhibits cholinesterases, rescues oxidative stress and ameliorates cognitive deficits in 5XFAD mice model of AD	Molecular Biology Reports	2020	Syed Ilyas Ahmad, Gowhar Ali, Tahir Muhammad, Rahim Ullah, Muhammad Naveed Umar and Aisha Nasir Hashmi
314.	Terbium Extraction by Functionalized Surface: Experimental and DFT Approach	Adsorption	2020	Rashid Ahmad, Zarshad Ali, Adnan Ali Khan and Najeeb Ur Rehman
313.	Theoretical Studies of $Cs_{3}X$ (X= Cl, Br and I) For Energy Storage and Hybrid Solar Cell Applications	Mater. Today Commun.	2020	Liaqat Ali, Murad Ahmad, Muhammad Shafiq, Tahir Zeb, Rashid Ahmad, M. Maqbool, Iftikhar Ahmad, S. Jalali-Asadabadi and Bin Amin
312.	Tunable Relativistic Quasiparticle Electronic and Excitonic Behavior of the $FAPb(I_{1-x}Br_x)_3$ Alloy	Phys. Chem. Chem. Phys.	2020	Zeeshan Muhammad, Peitao Liu, Rashid Ahmad, Saeid Jalali Asadabadi, Cesare Franchini and Iftikhar Ahmad
311.	Zn, Cd and Hg Complexes With Unsymmetric Thiourea Derivatives; Syntheses, Free Radical Scavenging and Enzyme Inhibition Essay	Journal of Molecular Structure	2020	Faizan Ur Rahman, Maryam Bibi, Ataf Ali Altaf, Muhammad Nawaz Tahir, Farhat Ullah, Zia-Ur-Rehman, Ezzat Khan
310.	$\beta$ -hydroxy ketone derivative inhibits cholinesterases, rescues oxidative stress and ameliorates cognitive deficits in 5XFAD mice model of AD	Molecular Biology Reports	2020	Syed Ilyas Ahmad, Gowhar Ali, Tahir Muhammad, Rahim Ullah, Muhammad Naveed Umar and Aisha Nasir Hashmi Synthetic
309.	A Bifunctional and Free-Standing Organic Composite Film with High Flexibility and Good Tensile Strength for Tribological and Electrochemical Applications	Adv. Mater. Technol.	2019	Aziz Ahmad, Abolhassan Imani, Lijuan Mao, Rashid Iqbal, Hui Zhang, Zahid Ali Ghazi, Rashid Ahmad, Adnan Ali Khan, Lijing Xie, Cheng-Meng Chen, Zhong Zhang, Zhixiang Wei

308.	A Computational Study on The Characteristics of Open-Shell H-Bonding Interaction Between Carbamic Acid (NH <sub>2</sub> COOH) and HO <sub>2</sub> , HOS or HSO Radicals	J. Mol. Model.	2019	Adnan Ali Khan, Mehdi D. Esrafil, Aziz Ahmad, Emily Hull, Rashid Ahmad, Saeed Ullah Jan and Iftikhar Ahmad
307.	A possible mechanistic approach of synthetic flavonoids in the management of pain	Pak. J. Pharm. Sci	2019	Mohammad Shoaib, Syed Wadood Ali Shah, Niaz Ali, Naveed Umar, Ismail Shah, Shafi ullah and Muhammad Nawaz Tahir
306.	Adsorption of Methylene Blue Onto Acacia Modesta Carbon: Kinetic and Thermodynamic Study.	Z. Phys. Chem.	2019	Sultan Alam, Noor Rehman, Noor Ul Amin, Aslam Khan
305.	Adsorptive Removal of Cetyltrimethyl Ammonium Bromide (CTAB) Surfactant from Aqueous Solution: Crossbreed Pilot Plant Membrane Studies	Tenside Surf. Det.	2019	Muhammad Ali, Sultan Alam, Najeeb ur Rehman, Muhammad Zahoor, Muhammad Sufaid Khan
304.	Adsorptive Removal of New Methylene blue from Water by Treated Malus domestica Sawdust as a Low Cost Biosorbent–Equilibrium, Kinetics and Thermodynamic Studies	Desalin. Water. Treat.	2019	Saira Naz, Sultan Alam, Sabiha
303.	Antidiabetic potential of flavonoids from Artemisia macrocephalla Jaquem in streptozotocin-induced diabetic rats: Pharmacological and biochemical approach	Pak. J. Pharm. Sci	2019	SWA Shah, M Ghias, M Shoaib, N Ali, I Shah, MN Umar, SMM Shah
302.	Assessment of Cu and Zn in water, sediments and in the carnivorous fish, Channa gachua from River Swat and River Barandu, Malakand Division, Pakistan	Iranian Journal of Science and Technology	2019	Hazrat Ali, Wajid Ali, Karim Ullah, Fazle Akbar and Hanif Khan
301.	Binuclear copper (II) complexes: synthesis, structural characterization, DNA binding and in silico studies	Journal of the Serbian Chemical Society	2019	Abdul Waheed Kamran, Saqib Ali, Muhammad Nawaz Tahir, Muhammad Zahoor, Abdul Wadood, Muhammad Iqbal.
300.	Bioaccumulation of Cr, Ni, Cd and Pb in the economically important freshwater Fish Schizothorax plagiostomus from three rivers of Malakand Division, Pakistan: Risk assessment for human health	Bulletin of Environmental contamination and toxicology	2019	Hazrat Ali, Ezzat Khan

299.	Bioinspired morphology-controlled silver nanoparticles for antimicrobial application.	Materials Science and Engineering: C	2019	Ali, S.; Perveen, S.; Ali, M.; Jiao, T.; Sharma, A. S.; Hassan, H.; Devaraj, S.; Li, H.; Chen, Q.,
298.	Biosorption of Pb(II) and Cd(II) Ions from Aqueous Solution by Chemically Modified Syzygium cumini Leaves and its Equilibrium, Kinetic and Thermodynamic Studies	Pakistan Journal of Scientific & Industrial Research	2019	Syed Muhammad Salman, Sardar Muhammad, Mahmood Iqbal, Muhammad Aijaz, Muhammad Siddique, Asad Ali, Saleem Nawaz, Abdul Waheed Kamran.
297.	Demonstration of high separation efficiency for polystyrene-modified sub-1 $\mu\text{m}$ particles originating from silica monolith under isocratic elution mode in liquid chromatography	Journal of Liquid Chromatography & Related Technologies	2019	Faiz Ali, Aamra Rafique Malik, Won Jo Cheong, Najeeb-UR- Rehman
296.	Desulfurization of Lakhra Coal by Combined Leaching and Catalytic Oxidation Techniques	Int. J. Coal Prep. Util.	2019	Waqas Ahmad, Imtiaz Ahmad, Rashid Ahmad, Zakir Ullah, and Muhammad Ibrahim
295.	Determination of Isoproturon in Environmental Samples using QuEChERS Extraction-Spectrofluorimetric Method	Environ. Toxicol. Chem.	2019	M. Muhammad, M. R. Jan, J. Shah, B. Ara
294.	Drought tolerance improvement in plants: an endophytic bacterial approach	Applied Microbiology and Biotechnology	2019	Abid Ullah, Mohammad Nisar, Hazrat Ali, Ali Hazrat, Kashif Hayat, Ayaz Ali Keerio, Muhammad Ihsan, Muhammad Laiq, Sana Ullah, Shah Fahad, Aziz Khan, Aamir Hamid Khan, Adnan Akbar and Xiyan Yang
293.	Effect of inorganic nutrient pollutants on oviposition preference, egg hatching rate and larval development of <i>Culex quinquefasciatus</i>	Applied Ecology and Environmental Research	2019	I Ilahi, AM Yousafzai, TU Haq, M Attaullah, A Rahim, H Ali, H Muhammad, Halimullah, M Farooq, Y Ali, K Roghani, J Bibi, S Khan and A Mehmood
292.	Entomofauna of forensic importance on <i>Canis domesticus</i> carcasses at Dir Lower, Pakistan	International Journal of Biosciences	2019	Haseen Ullah, Mohammad Attaullah, Ikram Ilahi, Saeed Ahmad, Hazrat Ali,

				Omer Dad, Liaqat Ali, Afzal Hussain, Numan Ullah, and Adnan Ahmad
291.	Environmental chemistry and ecotoxicology of hazardous heavy metals: Environmental persistence, toxicity, and bioaccumulation	Journal of Chemistry	2019	Hazrat Ali, Ezzat Khan and Ikram Ilahi
290.	Environmental friendly method for the extraction of cellulose from trifolium resopinatum and its characterization.	Bull. Chem. Soc. Ethiop.	2019	Noor Rehman , Sultan Alam, Inamullah Mian, Hidayat Ullah
289.	Enzyme Inhibitory, Antioxidant And Antibacterial Potentials Of Synthetic Symmetrical And Unsymmetrical Thioureas	Drug Des Devel Ther.	2019	Sumaira Naz, Muhammad Zahoor, Muhammad Naveed Umar, Barkat Ali, Riaz Ullah, Abdelaaty A Shahat, Hafiz Majid Mahmood, and Muhammad Umar Khayam Sahibzada,
288.	Extending the Hierarchy of Heterogeneous Catalysis to Substituted Derivatives of Benzimidazole Synthesis: Transition Metals Decorated CNTs.	Catalysts	2019	Iqbal, Z.; Sadiq, S.; Sadiq, M.; Ullah, I.; Fazal, Z.; Khan, D.; Bibi, N.; Saeed, K.; Khan, A. A.; Mabood, F.; Ali, M.
287.	Hepaotoprotective and nephroprotective activities of Pistacia integerrima fruit extract in paracetamol intoxicated male rabbits with effect on blood cells count	Pakistan Journal of Pharmaceutical Sciences	2019	Ikram Ilahi, Jahangir Khan, Hazrat Ali, Mehreen Ghias, Abdur Rahim, Taqweem ul Haq, Muhammad Anwar Sajad, Shah Zaman, Gul Rahim, Tour Jan, Saeed Ahmad, Shariat Ullah, Sania Mehreen and Huma Zafar
286.	Insecticidal activities of Cymbopogon nordus (Linn.) whole-plant ethyl acetate extract against lymphatic filariasis vector with study on non-target organisms	International Journal of Biosciences	2019	Ikram Ilahi, Muhammad Attaullah, Abdur Rahim, Muhammad Anwar Sajad, Shariat Ullah, Shah Zaman, Gul Rahim and Hazrat Ali
285.	Investigations into the therapeutic effects of aerial and stem parts of Buxus papillosa C.K. Schneid.: In vitro chemical, biological and toxicological perspectives	Journal of Pharmaceutical and Biomedical Analysis	2019	H. Sallem, T. Thethtart, R. Naidu, I. Ahmad, G. Zengin, Manzoor Ahmad, N. Ahemad.
284.	Isolation and characterization of antiplasmodial constituents from the marine sponge Coscinoderma sp.	Zeitschrift für Naturforschung C	2019	Huijeong Jeong, Abdul Latif, Chang-Suk Kong, Youngwan Seo, Yeon-Ju Lee,

				Seema R. Dalal, Maria B. Cassera, and David GI Kingston.
283.	Isolation and characterization of C19-diterpenoid alkaloids from the roots of <i>Aconitum heterophyllum</i> wall.	Journal of Medicinal Chemistry and Drug Designing	2019	Obaidullah, M. N. Ahmad, W. Ahmad, S. A. Tariq, N. Rahman and Manzoor Ahmad.
282.	Lead phytoremediation potential of sixty-one plant species: An open field survey	Pure and Applied Biology	2019	Muhammad Anwar Sajad, Muhammad Saleem Khan, Hazrat Ali and Zaib un Nisa
281.	Manganese dioxide nanoparticles/activated carbon composite as efficient UV and visible-light photocatalyst <a href="https://doi.org/10.1007/s11356-018-4055-y">https://doi.org/10.1007/s11356-018-4055-y</a>	Environmental Science and Pollution Research	2019	I. Khan, M. Sadiq, I. Khan, K. Saeed,
280.	Methyl substituted 2-aminothiazole based cobalt(II) and silver(I) complexes; synthesis, X-ray structures and their biological activities	Turkish Journal of Chemistry	2019	Ezzat Khan, Tufail Ahmad, Zarif Gul, Farhat Ullah, Muhammad Nawaz Tahir, Awal Noor
279.	Micropropagation through apical shoot explants and morphogenic potential of different explants of <i>Saussurea lappa</i> : An endangered medicinal plant	Pure and Applied Biology	2019	Zaib un Nisa, Samin Jan, Muhammad Anwar Sajad, Safdar Hussain Shah, Ghulam Farooq and Hazrat Ali
278.	Microstructural Analysis of Potsherds from Archaeological Explorations of The Kaghan Valley, Mansehra, Pakistan	Journal of the Research Society of Pakistan	2019	Naveed Usman, Shakirullah and Rashid Ahmad
277.	Nanostructure Mediated Enhancement of Antibacterial Activity of Ampicillin against <i>Staphylococcus aureus</i> and AFM Analysis of Morphological Changes Occuring Therein	The Beilstein Journal of Nanotechnology	2019	M. Ali, S. Ali, A. Latif, S. Perveen, S. Ahmed, Manzoor Ahmad, M. R. Shah, A. Khan, F. Mabood, A. Al-Rawahi and A. Al-Harrasi.
276.	Nootropic effects of synthetic flavonoid derivatives on scopolamine induced memory impairment in mice via cholinesterase inhibition and antioxidant system	Pak. J. Pharm. Sci	2019	Mehreen Ghias, Mohammad Shoaib, Syed Wadood Ali Shah, Muhammad Naveed Umar, Shakir Ullah, Niaz Ali, Ismail Shah and Shafiullah
275.	Oviposition deterrence and adult emergence inhibition activities of <i>Cymbopogon nardus</i> against <i>Culex quinquefasciatus</i> with study on non-target organisms	Applied Ecology and Environmental Research	2019	I Ilahi, AM Yousafzai, TU Haq, H Ali, A Rahim, MA Sajad, AN Khan, A Ahmad, S Ullah, S Zaman, A Bibi, S Hussain, MU



				Rahman, MS Saqib, B Ahmad and M Attaullah
274.	Palladium(II) complexes based on N,S-donor ligands, synthesis and molecular structures	Journal of Structural Chemistry	2019	Sher Ali Khan, Ezzat Khan, Awal Noor, Stefan Schwarz
273.	Photocatalytic effect of TiO <sub>2</sub> and nickel, cobalt and zinc doped TiO <sub>2</sub> on degradation of congo red and bromothimol blue	Journal of Biodiversity and Environmental Science	2019	Maria Sadia, Rizwan Khan, Robina Naz and Jahangir Khan
272.	Physical properties and possible applications of gold-based rare earth intermetallics (R-Au): A review	J. Magn. Magn. Mater.	2019	Sardar Ahmad, Rashid Ahmad, and Iftikhar Ahmad
271.	Phytochemical Investigation of Hyoscyamus albus.	Pakistan Journal of Pharmaceutical Sciences	2019	M. Ashraf, Manzoor Ahmad, H. Ahmad and S. Ahmad.
270.	Potent in Vitro $\alpha$ -Glucosidase Inhibition of Secondary Metabolites Derived from Dryopteris cycadina.	Molecules	2019	Amin, S.; Ullah, B.; Ali, M.; Rauf, A.; Khan, H.; Uriarte, E.; Sobarzo-Sánchez, E.,
269.	Reaction of CH <sub>3</sub> CH <sub>2</sub> OH and H on a ZnO Single Crystal Surface, <a href="https://doi.org/10.1002/bkcs.11890">https://doi.org/10.1002/bkcs.11890</a>	Bulletin of the Korean Chemical Society	2019	M. A. Motin, M. Sadiq, C. M. Kim
268.	Removal of ciprofloxacin from water through magnetic nanocomposite/membrane hybrid processes	Desalin. Water. Treat.	2019	Azmatullah, Muhammad Zahoor, Sultan Alam
267.	Removal of Endrofloxacin from Water through Magnetic nanocomposites Prepared from Pineapple Waste Biomass	Biomed Research International	2019	M. Zahoor, A. Ullah, Sultan Alam
266.	Road kills of vertebrate fauna in Dir Lower, Khyber Pakhtunkhwa, Pakistan	Zoology and Ecology	2019	Sohail Anjum, Hazrat Ali, Awais Ahmad and Farzana Bibi
265.	Separation of Levofloxacin from Industry Effluents Using Novel Magnetic Nanocomposite and Membranes Hybrid Processes	Biomed Research International	2019	Azmat Ullah, Muhammad Zahoor, Sultan Alam, Riaz Ullah, Ali S. Alqahtani, Hafiz Majid Mahmood
264.	Synthesis, Characterization, Antifungal and Antibacterial Activities of Novel Amide Derivatives of 1,3-Dioxolane	International Journal of Chemistry	2019	Zahra Begum, Momin Khan, Sher Wali Khan, Muhammad Imran, Noor Rehman, Muhammad Naveed Umar, Atif Kamil, Turghun Muhammad

263.	Synthetic flavonols and flavones: A future perspective as anticancer Agents,	Pak. J. Pharm. Sci	2019	Mohammad Shoaib, Mehreen Ghias, Syed Wadood Ali Shah, Niaz Ali, Muhammad Naveed Umar, Abdullah, Meboob ur Rahman, Ismail Shah and Shafiullah
262.	The role of odonate nymphs in ecofriendly control of mosquitoes and sensitivity of odonate nymphs to inorganic nutrient pollutants	Applied Ecology and Environmental Research	2019	I Ilahi, AM Yousafzai, M Attaullah, TU Haq, H Ali, A Rahim, MA Sajad, S Najeeb, S Zaman, S Ullah, A Ahmad, R Begum, Waqas, H Bibi, S Hussain and B Ahmad
261.	Theoretical investigations of thermoelectric phenomena in binary semiconducting skutterudites	RSC advances	2019	Muhammad Saeed, Banaras Khan, Iftikhar Ahmad, Awais Siddique Saleemi, Najeebur Rehman, HA Rahnamaye Aliabad, Sarir Uddin
260.	Trophic transfer, bioaccumulation and biomagnification of non-essential hazardous heavy metals and metalloids in food chains/webs—Concepts and implications for wildlife and human health	Human and Ecological Risk Assessment	2019	Hazrat Ali and Ezzat Khan
259.	What We Really Know About Biosynthesis of Cellulose from Ficus palmate: A Novel Biomass Production	Z. Phys. Chem.	2019	Sultan Alam, Noor Rehman, Inamullah Mian, Hidayat Ullah
258.	A Comparative Sorption Study of Ni (II) form Aqueous Solution Using Silica Gel, Amberlite IR-120 and Sawdust	International Journal of Research in Physical Chemistry and Chemical Physics	2018	Atta ul Haq, M. Rasul Jan, Jasmin Shah, Maria Sadia, M. Saeed
257.	Adsorptive Removal of Cd <sup>2+</sup> from Aqueous Solution by a Highly Stable Solvent Triazine-based Framework	New Journal of Chemistry	2018	Zahid Ali Ghazi, Abdul Muqsit Khattak, Rashid Iqbal, Rashid Ahmad, Adnan Ali Khan, Muhammad Usman, Faheem Nawaz, Wajid Alia, Zahra Felegari, Saadullah Jan, Azhar Iqbal and Aziz Ahmad

256.	Antimalarial activity of the isolates from the marine sponge <i>Hyrtios erectus</i> against the chloroquine-resistant Dd2 strain of <i>Plasmodium falciparum</i> .	Zeitschrift für Naturforschung C	2018	Ju, Eunsin, Abdul Latif, Chang-Suk Kong, Youngwan Seo, Yeon-Ju Lee, Seema R. Dalal, Maria B. Cassera, and David GI Kingston.
255.	Antioxidant potential and secondary reactivity of bis{diphenyl(2-pyridyl)phosphino}copper(II) complex	Turkish Journal of Chemistry	2018	Ezzat Khan, Adnan Shahzad, Muhammad Nawaz Tahir, Awal Noor, “
254.	Assessment of potentially toxic heavy metals and health risk in water, sediments, and different fish species of river Kabul Pakistan	Human and Ecological Risk Assessment	2018	Hazrat Ali, Ezzat Khan
253.	Bioaccumulation of non-essential hazardous heavy metals and metalloids in freshwater fish. Risk to human health	Environmental Chemistry Letters	2018	Hazrat Ali, Ezzat Khan
252.	Complexation of Hg(II) Ions With a Functionalized Adsorbent: A Thermodynamic and Kinetic Approach	Prog. Nucl. Energ.	2018	Zarshad Ali, Rashid Ahmad, Aslam Khan and Bushra Adalat
251.	Cu(II) coordination polymers stabilized by pyridine-2,6-dicarboxylate anion and pyrazol derivatives through ligand hydrolysis	Journal of Coordination Chemistry	2018	Ezzat Khan, Sher Ali Khan, Muhammad Zahoor, M. Nawaz Tahir, Awal Noor, Ataf Ali Altaf
250.	DFT Studies of Thermoelectric Properties of R-Au Intermetallics at 300K Temperature	J. Rare Earth.	2018	Sardar Ahmad, Rashid Ahmad, Muhammad Bilal and Najeeb Ur Rehman
249.	Ecofriendly Isolation of Cellulose from <i>Eucalyptus lenceolata</i> : A Novel Approach.	International Journal of Polymer Science	2018	Noor Rehman, Sultan Alam, Noor Ul Amin, Inamullah Mian, and Hidayat Ullah,
248.	First Principle Studies of Structural, Magnetic and Elastic Properties of Orthorhombic Rare-earth Diaurides Intermetallics RAu <sub>2</sub> (R=La, Ce, Pr and Eu)	Mater. Chem. Phys.	2018	Sardar Ahmad, Rashid Ahmad, S. Jalali-Asadabadi, Zahid Ali and Iftikhar Ahmad
247.	Flow Injection Spectrophotometric Determination of Glyphosate Herbicide in Wheat Grains via Condensation Reaction with p-Dimethylaminobenzaldehyde	S. Afr. J. Chem.	2018	M. R. Jan, J. Shah, M. Muhammad, B. Ara
246.	HKUST-1 Supported on Zirconium Phosphate as an Efficient Catalyst for Solvent Free Oxidation of Cyclohexene: DFT Study	Catalysts	2018	R. Aman, A. Clearfield, M. Sadiq, Z. Ali

245.	Norditerpenoid alkaloids of <i>Delphinium denudatum</i> as cholinesterase inhibitors	Bioorganic chemistry	2018	Hanif Ahmad, Shujaat Ahmad, Mumtaz Ali, Abdul Latif, Syed Adnan Ali Shah, Humera Naz, Najeeb Ur Rahman, Farzana Shaheen, Abdul Wadood, Hidayat Ullah Khan, Manzoor Ahmad
244.	One-Pot Synthesis and Rheological Study of Cationic Poly(3-acrylamidopropyltrimethyl ammoniumchloride)P(APTMACl) Polymer Hydrogels	Zeitschrift fur Physikalische Chemie	2018	Luqman Ali Shah, Rida Javed, Abbas Khan, Irum Bibi, Noor Saeed and Sultan Alam.
243.	Organic-inorganic Hybrids: An Efficient Extractant of Environmental Mercury Ions	Mater. Res. Express.	2018	Zarshad Ali, Rashid Ahmad, Aslam Khan and Bushra Adalat
242.	Preparation of microspheric Fe(III)-ion imprinted polymer for selective solid phase extraction	Appl. Water Sci.	2018	B. Ara, M. Muhammad, M. Salman, R. Ahmad, N. Islam, T. H. Zia
241.	Schiff base fluorescent-on ligand synthesis and its application for selective determination of manganese in water samples	Journal of Biodiversity and Environmental Sciences	2018	Maria Sadia, Jahangir Khan, Robina Naz, and Rizwan Khan
240.	Selective removal of 2,4-dichlorophenol and 2,4,6-trichlorophenol in aqueous solutions by polyaniline-modified magnetic nanoparticles using high-performance liquid chromatography–UV detection	Desalin. Water Treat.	2018	J. Shah, M. R. Jan, B. Ara, M. Muhammad, D. Nayab, S. Bibi
239.	Strongly Correlated Intermetallic Rare-earth Monoaurides (Ln-Au): Ab-initio Study	J. Rare Earth.	2018	Sardar Ahmad, M. Shafiq, Rashid Ahmad, S. Jalali-Asadabadi, and Iftikhar Ahmad
238.	Synthesis and evaluation of a Schiff-based fluorescent chemosensors for the selective and sensitive detection of Cu <sup>2+</sup> in aqueous media with fluorescence Off-On responses	Journal of Fluorescence	2018	Maria Sadia, Robina Naz, Jahangir Khan and Rizwan Khan
237.	Synthesis, biological activities, and molecular docking studies of 2-mercaptopbenzimidazole based derivatives.	Bioorganic Chemistry	2018	Ali, M.; Ali, S.; Khan, M.; Rashid, U.; Ahmad, M.; Khan, A.; Al-Harrasi, A.; Ullah, F.; Latif, A.
236.	Synthesis, Characterization and Photodegradation Application of Fe-Mn and F-MWNTs supported Fe-Mn nanoparticles	Desalin. Water. Treat.	2018	K. Saeed, N. Zada, I. Khan, M. Sadiq

235.	Synthesis, characterization, and photocatalytic application of Pd/ZrO <sub>2</sub> and Pt/ZrO <sub>2</sub>	Applied Water Science	2018	K Saeed, M Sadiq, I Khan, S Ullah, N Ali, A Khan
234.	Tailored Silica Nanospheres: An Efficient Adsorbent for Environmental Chromium Remediation	Radiochim. Acta.	2018	Zarshad Ali, Rashid Ahmad and Aslam Khan
233.	Voltage-Dependent Ca <sup>+2</sup> Entry blocking Activity of Hedera helix leaf extract explains its medicinal use in hyperactive gut disorders	Farmacia	2018	A. J Shah, M. Khan, Manzoor Ahmad and H. Sher.
232.	Waste water treatment with surfactant-modified fuller's earth for removal of acid blue 29; A statistical approach	Methods Objects Chem. Anal.	2018	J. Shah, M. R. Jan, M. Muhammad, B. Ara, & I. Hasan
231.	What are heavy metals? Long-standing controversy over the scientific use of the term "heavy metals"—Proposal of a comprehensive definition	Toxicological and Environmental Chemistry	2018	Hazrat Ali, Ezzat Khan
230.	2-[(hydroxy(4-nitrophenyl)methyl] cyclohexanone as Off-On Fluorescent Sensor for Selective Detection of Cadmium	Research Journal of Chemical Sciences	2017	Maria Sadia, M. Naveed Omar, Robina Naz, Jahangir Khan and Rizwan Khan
229.	Antispasmodic, bronchodilator, vasorelaxant and cardiosuppressant effects of Buxus papillosa	BMC Complementary and Alternative Medicine	2017	A. Khan, S. Ali, A. H. Gilani, Manzoor Ahmad and M. I. Choudhary.
228.	Bioactive Neolignans and Other Compounds from Magnolia grandiflora L.: Isolation and Antiplasmodial Activity.	Chemistry & Biodiversity	2017	Abdul Latif, Yongle Du, Seema R. Dalal, Maria L. Fernández-Murga, Emilio F. Merino, Maria B. Cassera, Michael Goetz, and David GI Kingston.
227.	Comparative Study for the Removal of Cr (VI) from Synthetic Solution Using Natural Biosorbents	New Journal of Chemistry	2017	Aziz Ahmad, Zahid Ali Ghazi, Muhammad Saeed, Mohammad Ilyas, Rashid Ahmad, Abdul Muqsit Khattak, and Azhar Iqbal
226.	Coordination compounds of 4,5,6,7-tetrahydro-1H-indazole with Cu(II), Co(II) and Ag(I); Structural, anti-microbial, anti-oxidant and enzyme inhibition studies"	Journal of Coordination Chemistry	2017	Ezzat Khan, Zarif Gul, Adnan Shahzad, M. Saeed Jan, Farhat Ullah, M. Nawaz Tahir, Awal Noor
225.	Efficient photodegradation of methyl violet dye using TiO <sub>2</sub> /Pt and TiO <sub>2</sub> /Pd photocatalysts	Applied Water Science	2017	K Saeed, I Khan, T Gul, M Sadiq

224.	Environmental chemistry in 21 <sup>st</sup> century	Environmental Chemistry Letters	2017	Hazrat Ali, Ezzat Khan
223.	Evaluation and Statistical Analysis of the Modified QuEChERS Multiresidue Method for the Extraction of Pinoxaden Herbicide from Agricultural Samples	J. Anal. Sci. Technol.	2017	M. Muhammad, M. R. Jan, J. Shah, B. Ara, S. Akhtar, H. U. Rehman
222.	Development of new NIR-spectroscopy method combined with multivariate analysis for detection of adulteration in camel milk with goat milk	Food Chemistry	2017	F. Mabood, F. Jabeen, Manzoor Ahmad, J. Hussain, S. A. A. Al Mashaykhia, Z. M. A. Al Rubaiey, S. Farooq, R. Boqué, L. Ali, Z. Hussain, A. Al-Harrasi, A. L. Khan, Z. Naureen, Mohammed Idreesf, Suryyia Manzoor
221.	Facile synthesis, characterization and DFT calculations of 2-acetyl pyridine derivatives	Quimica Nova	2017	Haroon Ur Rashid, Adnan Shahzad, Zarif Gul, Ezzat Khan, M. Naveed Umar, M. Raza Shah, Awal Noor, Sher Wali Khan.
220.	First Principle Studies of Electronic and Magnetic Properties of Lanthanide-Gold (RAu) Binary Intermetallics	J. Magn. Magn. Mater.	2017	Sardar Ahmad, Rashid Ahmad, Saied. Jalali-Asadabadi, Zahid Ali and Iftikhar Ahmad
219.	Antioxidant and anticholinesterase potential of diterpenoid alkaloids from Aconitum heterophyllum.	Bioorganic & Medicinal Chemistry	2017	H. Ahmad, S. Ahmad, S. A. A. Shah, A. Latif, M. Ali, F. A. Khan, M. N. Tahir, F. Shaheen, A. Wadood, Manzoor Ahmad.
218.	Hepatoprotective effect of the solvent extracts of Viola canescens Wall. ex. Roxb., against CCl <sub>4</sub> induced toxicity through antioxidant and membrane stabilizing activity.	BMC Complementary and Alternative Medicine	2017	Abdullah, M. A. Khan, W. Ahmad, Manzoor Ahmad and M. Nisar.
217.	Antidiabetic activity and histopathological analysis of carnosol isolated from Artemisia indica linn in streptozotocin-induced diabetic rats.	Med Chem Res.	2017	I. Khan, W. Ahmad, N. Karim, Manzoor Ahmad, M. Khan, S. A. Tariq, N. Sultana, R. Shah, A. Khan, A. Abdelhalim.
216.	Indirect speciation of Cr (VI) and Cr (III) in water and food samples using newly synthesized Amberlite XAD-7 functionalized resin	Journal of Biodiversity and Environmental Sciences	2017	Maria Sadia

215.	Isolation of Cellulose from saw dust of Cedrus Deodara: Effect of Preparation Conditions on their Morphological behavior,	The International Journal of Science & Technology	2017	Inamullah Mian, Sultan Alam, Xian Li, Mei Zhong, Noor Rehman, Fengyun Ma, Aslam Khan, Mehreen.
214.	Isolation, crystal structure determination and cholinesterase inhibitory potential of isotalatizidine hydrate from Delphinium denudatum.	Pharmaceutical Biology	2017	Ahmad, H.; Ahmad, S.; Khan, E.; Shahzad, A.; Ali, M.; Tahir, M. N.; Shaheen, F.; Ahmad, M., I
213.	Kinetic and equilibrium profile of the adsorptive removal of Acid Red 17 dye by surfactant-modified fuller's earth	Water Sci. Technol.	2017	J. Shah, M. R. Jan, M. Muhammad, B. Ara, Fahmeeda
212.	Mechanisms Underlying Anti-hyperalgesic Properties of Kaempferol-3,7-L-rhamnopyranoside Isolated from Dryopteris cycadina.	Current Topics in Medicinal Chemistry	2017	Ali, M.; Rauf, A.; Ben Hadda, T.; Bawazeer, S.; Abu-Izneid, T.; Khan, H.; Shah, M.R.; Khan, S.; Shah, S.; Pervez, S.; Patel, S.; Erdogan, I.,
211.	Neurologically Potent Molecules from Crataegus oxyacantha; Isolation, Anticholinesterase Inhibition, and Molecular Docking.	Frontiers in Pharmacology	2017	Ali, M.; Muhammad, S.; Shah, M. R.; Khan, A.; Rashid, U.; Farooq, U.; Ullah, F.; Sadiq, A.; Ayaz, M.,
210.	Removal of Basic Green 5 by Carbonaceous Adsorbent: Adsorption Kinetics.	Bulletin of the Chemical Society of Ethiopia	2017	Sultan Alam, Noor Rehman, Noor ul Amin, Luqman Ali Shah, Inamullah Mian, Hidayat Ullah
209.	Selective dual cholinesterase inhibitors from Aconitum laeve.	Journal of Asian Natural Products Research	2017	Ahmad, H.; Ahmad, S.; Shah, S. A. A.; Khan, H. U.; Khan, F. A.; Ali, M.; Latif, A.; Shaheen, F.; Ahmad, M.,
208.	Structural, Electronic and Optical Properties of CsPbX <sub>3</sub> (X=Cl, Br, I) for Energy Storage and Hybrid Solar Cell Applications	J. Alloys Comp.	2017	Murad Ahmad, Gul Rehman, Liaqat Ali, Muhammad Shafiq, Rashid Iqbal, Rashid Ahmad, Tahirzeb Khan, S. Jalali-Asadabadi, Muhammad Maqbool and Iftikhar Ahmad
207.	Surface and thermodynamic study of micellization of non-ionic surfactant/diblock copolymer system as revealed by surface tension and conductivity	Journal of Materials and Environmental Sciences	2017	Noor Rehman, Hidayat Ullah, Sultan Alam, Abdul Khaliq Jan, Sher Wali Khan and Muhammad Tariq.

206.	Synthesis and Application of Functionalized Nano Silica for Ag(II) Ions Sequestration	Desalin. Water. Treat.	2017	Zarshad Ali, Rashid Ahmad, Aslam Khan and Bushra Adalat
205.	Thermodynamic and kinetic studies of adsorptive removal of toluidine blue by activated carbon from olive pit	Desalin. Water. Treat.	2017	M. Sadiq, M. Khan, R. Aman, S. Sadiq, M. S. Ahmad, M. Ali, R. Ali
204.	Tuning of activated carbon for solvent-free oxidation of cyclohexane	Journal of Chemistry	2017	M. Sadiq, M. Khan, R. Aman, S. Hussain, M. S. Ahmad, S. Sadiq, M. A. Zia, H. Rashid, R. Ali
203.	1,1-Carboboration Through Activation of Silicon–Carbon and Tin–Carbon Bonds	European Journal of Inorganic Chemistry	2016	Bernd Wrackmeyer, Ezzat Khan
202.	Adsorption of Cu (II) from aqueous solutions using simple and chelating Amberlite IR-120	Bulletin of the Chemical Society of Ethiopia	2016	M. Rasul Jan, Jasmin Shah, Maria Sadia and Atta ul Haq
201.	Catalytic Efficiency of Phosphated Zirconia in Selected Organic Reactions	Asian Journal of Organic & Medicinal Chemistry	2016	Haseena Kamal, Mohammad Sadiq, Saima Sadiq, Muhammad Abid Zia, Rahmat Ali, Muhammad Sohail Ahmad and Qaisar Ali
200.	Chemical and Biological evaluation of Ranunculus Muricatus	Pakistan Journal of Pharmaceutical Science	2016	Farhat Ali khan, Muhammad Zahoor, Ezzat Khan
199.	Crystal structure, phytochemical study and enzyme inhibition activity of Ajaconine and Delectinine	Journal of Molecular Structure	2016	Shujaat Ahmad, Hanif Ahmad, Hidayat Ullah Khan, Adnan Shahzad, Ezzat Khan, Syed Adnan Ali Shah, Humera Naz, Manzoor Ahmad
198.	Development of New UV–Vis Spectroscopic Microwave-Assisted Method for Determination of Glucose in Pharmaceutical Samples	Spectrochimica Acta Part A	2016	F. Mabood, Z. Hussain, H. Haq, M.B. Arian, R. Boqu ´e, K.M. Khan, K. Hussain, F. Jabeen, J. Hussain, Manzoor Ahmad, A. Alharasi, Z. Naureen, H. Hussain, A. Khan, S. Perveen.
197.	DFT and post-DFT studies of Metallic MXY3-type Compounds for Low Temperature TE Applications	Solid State Commun.	2016	Muhammad Bilal, Saifullah, Iftikhar Ahmad, S. Jalali-Asadabadi, Rashid Ahmad and Muhammad Shafiq



196.	Effect of thermally activated clay on corrosion and chloride resistivity of cement mortar.	Journal of Cleaner Production,	2016	N. Amin, Sultan Alam, S. Gul.
195.	Electronic Band Structures of the Highly Desirable III–V Semiconductors: TB-mBJ DFT Studies	Journal of Elec. Mater.	2016	Gul Rehman, M. Shafiq, Saifullah, Rashid Ahmad, S. Jalali-Asadabadi, M. Maqbool, Imad Khan, H. Rahnamaye-Aliabad and Iftikhar Ahmad
194.	Electronic Structure of the $LiA\ddot{A}O_6$ ( $A = Nb, Ta,$ and $\ddot{A} = W, Mo$ ) Ceramics by Modified Becke-Johnson Potential	Opt. Mater.	2016	Zahid Ali, Imad Khan, Mazhar Rahman, Rashid Ahmad and Iftikhar Ahmad
193.	Equilibrium, Kinetic and Thermodynamic Study of Acid Yellow-34 Adsorption onto Cedrus deodara Sawdust	Desalin. Water. Treat.	2016	Muhammad Suhail Abbas and Rashid Ahmad
192.	First Principles Studies of Pure and Fluorine Substituted Alanine	Int. J. Mod. Phys. B.	2016	Sardar Ahmad, Hamide Vaizie, H. A. Rahnamaye Aliabad, Rashid Ahmad, Imad Khan, Zahid Ali, S. Jalali-Asadabadi, Iftikhar Ahmad and Amir Abdullah Khan
191.	High Efficiency Robust Open Tubular Capillary Electrochromatography Column for the Separation of Peptides	Bulletin of the Korean Chemical Society	2016	Faiz Ali, Won Jo Cheong.
190.	Isolation and characterisation of three new anthraquinone secondary metabolites from <i>Symplocos racemosa</i> .	Natural Product Research	2016	Farooq, U.; Naz, S.; Khan, A.; Khan, S.; Khan, A.; Ali, M.; Khan, S. S.,
189.	Liquid Phase Aerobic Oxidation of Cinnamyl Alcohol to Cinnamaldehyde: Effect of Different Solvents	Current Catalysis	2016	S. Hussain, M. Sadiq
188.	Photooxidation of Toluene: Correlation of Noble Metal Loading on Titania and Activation Energy doi.org/10.1155/2016/4231467	Journal of Chemistry	2016	H. Rashid, M. Sadiq, M. A. Zia, S. Sadiq, M. S. Ahmad, R. Aman, M. Humayun, R. Ali
187.	Potent Heterogeneous Catalyst for Low Temperature Selective Oxidation of Cyclohexanol by Molecular Oxygen doi.org/10.1155/2016/1254796	Journal of Chemistry	2016	H. Rashid, M. S. Ahmad, M. Sadiq, R. Aman
186.	Probing the Catalytic Activity of Tin-Platinum Decorated Graphene; Liquid Phase oxidation of Cyclohexane	Carbon	2016	M. Sadiq, Saima Sadiq, M. Abid Zia, M. Ali, K. Saeed, M. S. Ahmad, R. Ali

185.	Spectrofluorimetric Method for Quantification of Triazine Herbicides in Agricultural Matrices	Anal. Sci.	2016	M. Muhammad, J. Shah, M. R. Jan, B. Ara, M. M. Khan, A. Jan
184.	Synthesis and pharmacological properties of 1,3-bis[(s)phenylethyl]imidazolidine-2-thion <a href="https://doi.org/10.1007/s11094-016-1456-4">https://doi.org/10.1007/s11094-016-1456-4</a>	Pharmaceutical Chemistry Journal	2016	M. N. Umar, M. Shoaib, M. Sadiq, M. Ayaz, S. Miskeen, I. Shah, I. Khan, H. Rahid, I. Ilahi, S. W. Khan
183.	Synthesis of Graphene supported bimetallic nanoparticles for the sunlight photodegradation of basic green 5 dye in aqueous medium	Separation Science and Technology	2016	K. Saeed, I. Khan, M. Sadiq
182.	Synthesis of Ion Imprinted Polymers by Copolymerization of Zn(II) and Al(III)8-hydroxy quinolone complexes with divinylbenzene and methacrylic acid	Polymer-Plastics Technol. Eng.	2016	B. Ara, M. Muhammad, H. Amin, Noori, R. Begum, S. Jabeen, S. Gul, T. H. Zia, H. Nasir
181.	A new rosane-type diterpenoid from <i>Stachys parviflora</i> and its density functional theory studies.	Natural Product Research	2015	Farooq, U.; Ayub, K.; Hashmi, M. A.; Sarwar, R.; Khan, A.; Ali, M.; Ahmad, M.; Khan, A.,
180.	Antimicrobial activities, essential element analysis and preliminary phytochemical analysis of ethanolic extract of <i>Mirabilis jalapa</i>	International Journal of Biosciences	2015	Syed M. Salman, Iltaf Ud Din, Ghausia Lutfullah, Durr e Shahwar, Zarbad shah, Abdul Waheed Kamran, Saleem Nawaz, Shaukat Ali.
179.	Antimicrobial activity of two mellein derivatives isolated from an endophytic fungus.	Medicinal Chemistry Research	2015	H. Hussain, F. Jabeen, K. Krohn, A. Al-Harrasi, Manzoor Ahmad, F. Mabood, A. Shah, A. Badshah, N. Rehman, I. R. Green, I. Ali, S. Draeger, and B. Schulz.
178.	Antiperovskite Compounds SbNSr <sub>3</sub> and BiNSr <sub>3</sub> : Potential Candidates for Thermoelectric Renewable Energy Generators	Phys. Lett. A.	2015	Muhammad Bilal, Saifullah, Muhammad Shafiq, Banaras Khan, Hossain Asghar Rahnamaye Aliabad, S. Jalali-Asadabadi, Rashid Ahmad and Iftikhar Ahmad
177.	Assessment of pozzolanic activity of thermally activated clay and its impact on strength development in cement mortar	Royal Society of Chemistry,	2015	N. Amin, Sultan Alam, S. Gul.

176.	Characterization and antinociceptive activity (in vivo) of kempferol-3, 4'-di-O- $\alpha$ -L-rhamnopyranoside isolated from <i>Dryopteris cycadina</i> .	Medicinal Chemistry Research	2015	Ali, M.; Khan, S. A.; Rauf, A.; Khan, H.; Shah, M. R.; Ahmad, M.; Mubarak, M. S.; Hadda, T. B.,
175.	Determination of sucrose in date fruits ( <i>Phoenix dactylifera</i> L.) growing in the Sultanate of Oman by NIR spectroscopy and multivariate calibration	Spectrochimica Acta Part A	2015	F. Mabood, A. Al-Harrasi, R. Boqué, F. Jabeen, J. Hussain, A. Hafidh, K. Hind, M.A.G. Ahmed, Manzoor Ahmad, H. Hussain, N. Ur Rehman, S.H. Iman.
174.	Development of an Indirect Spectrophotometric Method for Determination of Methamidophos Insecticide in Soil, Water and Vegetable Samples	Bull. Chem. Soc. Ethiopia	2015	J. Shah, M. R. Jan, M. Muhammad, B. Ara, I. Rehman
173.	Efficient Aerobic Oxidation of Cyclohexane to KA Oil Catalyzed by Pt-Sn Supported on MWCNTs	Journal of Chemical Science	2015	M. Sadiq, M. Ali, R. Iqbal, K. Saeed, A. Khan, M. N. Umar, H. Rashid
172.	Electronic Properties of Antiperovskite Materials from State-of-the-Art Density Functional Theory	J. Chem.	2015	Muhammad Bilal, S. Jalali-Asadabadi, Rashid Ahmad and Iftikhar Ahmad
171.	Evaluation of anti-bacterial activity of high valued medicinal plant extracts against multi-drug resistant <i>Pseudomonas aeruginosa</i> and <i>Proteus vulgaris</i>	International Journal of Current Research	2015	M. Khan, A. A. Shah, M. Khan, A. Bibi, N. Sherin, Manzoor Ahmad and M. Nisar.
170.	Green and efficient oxidation of octanol by iron oxide nanoparticles supported on activated carbon	Modern Research in Catalysis	2015	Mohammad Sadiq, Razia Aman, Saddam Hussain, Muhammad Abid Zia, Najeeb Ur Rahman, Mohammad Saeed
169.	Green and Sustainable Heterogeneous Organo-Catalyst for Asymmetric Aldol Reactions	Modern Research in Catalysis	2015	Sadiq, M.; Razia, A.; Saeed, K.; M, Sohail, A.; M, Abid, Zai.
168.	Isolation and characterization of two new diterpenoids from <i>Stachys parviflora</i> : Antidiarrheal potential in mice.	Phytochemistry Letter	2015	U. Farooq, S. Naz, R. Sarwar, A. Khan, A. Khan, A. Rauf, H. Khan, Manzoor Ahmad, A. Ali Shah, S. Hameed.
167.	Kinetic Study of Selective Gas-Phase Oxidation of Isopropanol to Acetone Using Monoclinic ZrO <sub>2</sub> as a Catalyst	Quimica Nova	2015	M. Sadiq. M. Ali, A. Razia, R. Haroon, M. N. Umar.

166.	Microsphaerol and Seimatorone: Two New Compounds Isolated from the Endophytic Fungi, <i>Microsphaeropsis</i> sp. and <i>Seimatosporium</i> sps.	Chemistry and Biodiversity	2015	H. Hussain, N. Root, F. Jabeen, A. Al-Harrasi, Manzoor Ahmad, F. Mabood, Z. Hassan, A. Shah, I. R Green, B. Schulz, and K. Krohn.
165.	Norditerpenoid alkaloids from <i>Delphinium kohatense</i> Munz.	Records of Natural Products	2015	F. Shaheen, Manzoor Ahmad, T. S. Rizvi and L. Ali.
164.	Pollution Problem in River Kabul: Bioaccumulation Estimates of Heavy Metals in Native Fishes	Biomed. Research International.	2015	Habib Ahmad, Ali Muhammad Yousafzai, Muhammad Siraj, Rashid Ahmad, Israr Ahmad, Muhammad Nadeem, Khushi Muhammad, Nazia Akbar and Waqar Ahmad
163.	Qualitative and quantitative phytochemical analysis, essential element analysis, antibacterial and antifungal activities of leaves of <i>Typha angustata</i>	International Journal of Biosciences	2015	Syed Muhammad Salman , Bushra M. Saleem , Durr e Shahwar , Shaukat Ali , Abdul Waheed Kamran, Saleem Nawaz.
162.	Seimisochromenes A and B: two new dihydroisochromenes from the endophytic fungus, <i>Seimatosporium</i> sp.	Journal of Asian Natural Products Research	2015	H. Hussain, F. Jabeen, A. Al-Harrasi, Manzoor Ahmad, F. Mabood, J. Hussain, A. Shah, Z. Hassan, N. Rehman, I. R. Green, A. Khan, T. Dzaha, S. Draeger, B. Schulz, K. Krohn.
161.	Spectroscopic and Density Functional Theory Studies of a New Rosane Type Diterpenoid from <i>Stachys parviflora</i> .	Records of Natural Products	2015	Farooq, U.; Ayub, K.; Hashmi, M. A.; Sarwar, R.; Khan, A.; Khan, S. S.; Khan, A.; Mumtaz, A.,
160.	Structural, mechanical and magneto-electronic properties of the ternary sodium palladium and platinum oxides	Zeitschrift für Naturforschung A	2015	Saima Sadiq, Zahid Ali, Iftikhar Ahmad, Imad Khan, Gul Rehman, Muhammad Sadiq, Najeeb Ur Rehman
159.	Synthesis Characterization and DFT Calculations of 2,5-Substituted Thiophene Derivatives	Journal of Chemical Crystallography	2015	Ezzat Khan, Sher Ali Khan, Adnan Shahzad, Awal Noor
158.	Synthesis of 4-silaspiro[3.4]octa-1,5-diene derivatives; Hybrid spiro-compounds	Applied Organometallic Chemistry	2015	Ezzat Khan, Bernd Wrackmeyer, Rhett Kempe, Germund Glatz

157.	Synthesis, crystal structure and DFT calculations of 1,3-diisobutyl thiourea	Journal of Chemistry	2015	Ataf Ali Altaf, Adnan Shahzad, Zarif Gul, Sher A. Khan, Amin Badshah, M. Nawaz Tahir, Zafar Iqbal Zafar, Ezzat Khan
156.	The Use of Functionalized Aerogels as a Low Level Chromium Scavenger	Micropor. Mesopor. Mat.	2015	Zarshad Ali, Aslam Khan and Rashid Ahmad
155.	Thermoelectric Properties of Metallic Antiperovskites AXD <sub>3</sub> (A= Ge, Sn, Pb, Al, Zn, Ga; X=N, C; D=Ca, Fe, Co)	Electron. Mater. Lett.	2015	Muhammad Bilal, Iftikhar Ahmad, S. Jalali-Asadabadi, Rashid Ahmad and Muhammad Maqbool
154.	A New Antioxidant Triterpenoid from the Stem Wood of <i>Sorbus lanata</i> .	Records of Natural Products	2014	Latif, A.; Hussain, S. H.; Ali, M.; Arfan, M.; Ahmed, M.; Cox, R. J.; Simpson, T. J.; Uddin, G.,
153.	Anti-ulcer xanthenes from the roots of <i>Hypericum oblongifolium</i> Wall.	Fitoterapia.	2014	Ali, M.; Latif, A.; Zaman, K.; Arfan, M.; Maitland, D.; Ahmad, H.; Ahmad, M.,
152.	Biochemical analysis of the crude extract of <i>Momordica charantia</i> (L).	Pakistan Journal of Pharmaceutical Sciences	2014	U. K. Dar, F. Owais, Manzoor Ahmad and G. H. Rizwan.
151.	Development of Diclofenac Sodium Matrix Tablets using Sunflower Stem Residue	American Journal of Pharmacy and Health Research	2014	M. A. Khan, M. Rehman, W. Ahmed, H. Khan, Abdullah, Manzoor Ahmad, J. Khan.
150.	Efficiency of Iron Supported on Porous Material (Prepared from Peanut Shell) for Liquid Phase Aerobic Oxidation of Alcohols	Modern Research in Catalysis	2014	Sadiq, M.; Razia.; Sajid, H.; Gul Zamin.
149.	Evaluation of antidiabetic and antihyperlipidemic activity of <i>Artemisia indica</i> linn (Aerial parts) in Streptozotocin induced diabetic rats	Journal of Ethnopharmacology	2014	W. Ahmad, I. Khan, M. A. Khan, Manzoor Ahmad, F. Subhan, N. Karim.
148.	Exploitation of synthetic-derived wheats through osmotic stress responses for drought tolerance improvement	Acta Physiologiae Plantarum	2014	A. Ali, M. Arshad, S. M. Saqlan Naqvi, Manzoor Ahmad, H. Sher, S. Fatima, A. G. Kazi, A. Rasheed, A. M. Kazi.
147.	Functional nature of the spasmolytic effect, phytochemical composition and acute toxicity studies on <i>Sauromatum guttatum</i> .	Bangladesh Journal of Pharmacology	2014	N. Shah, A. J. Shah, Manzoor Ahmed, A. H. Gilan.

146.	Functionalized Nanospheres for Efficient Sequestration of Cadmium Ions	RSC Advances	2014	Zarshad Ali, Rashid Ahmad and Aslam Khan
145.	Geographical Impact of Heavy Metals on <i>Euphorbia helioscopia</i>	Life Sci. J.	2014	Farhat Ali Khan, Rashid Ahmad, Habib Khan and Naseem Ullah
144.	Heavy metal accumulation in soil irrigated with industrial effluents of Gadoon industrial estate, Pakistan and its comparison with fresh water irrigated soil	Journal of Agricultural Chemistry and Environment,	2014	N. Amin, D. Ibrar, Sultan Alam.
143.	Heavy metal contamination through effluents to irrigation water in Gadoon Amazai (Swabi) and Hayatabad (Peshawar) Pakistan.	Journal of Scientific Research	2014	N. Amin, M. Ayaz, Sultan Alam, S. Gul
142.	Mixed-valence manganese oxide catalyzed oxidation of benzyl alcohol and cyclohexanol in the liquid phase	Progress in Reaction Kinetics and Mechanism	2014	M. Ilyas, M. Saeed, M. Sadiq, M. Siddique
141.	Morphological analysis of the antimicrobial action of silver and gold nanoparticles stabilized with ceftriaxone on <i>Escherichia coli</i> using atomic force microscopy.	New Journal of Chemistry	2014	Shah, M. R.; Ali, S.; Ateeq, M.; Perveen, S.; Ahmed, S.; Bertino, M. F.; Ali, M.,
140.	One-Pot Synthesis of Aldol Adduct Catalyzed by Immobilized Picolylamine on Zirconia”	Modern Research in Catalysis	2014	Sadiq, M.; Razia.; Umar, M. N.; Zamin, G.
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137.	Removal of Basic Red 5 on calcined kaolinite-Characterization and Adsorption Kinetics.	Tenside Surf. Det.	2014	Sultan Alam, Fazlullah Khan Bangash, Noor-ul-Amin and Mohammad Ali.
136.	Seimatic acid and colletonic acid: Two new compounds from the endophytic fungi, <i>Seimatosporium</i> sp. and <i>Colletotrichum</i> sp.	Chinese Chemical Letters	2014	H. Hussain, N. Root, F. Jabeen, A. Al-Harrasi, A. Al-Rawahi, Manzoor Ahmad, Z. Hassan, G. Abbas, F. Mabood, A. Shah, A. Badshah, A. Khan, R. Ahmad, I.

				R. Green, S. Draeger, B. Schulz, K. Krohn.
135.	Supramolecular Dithiocarbamatogold(III) Complex a Potential DNA Binder and Antioxidant Agent	Journal of Molecular Structure	2014	Ezzat Khan, Umar Ali Khan, Amin Badshah, Muhammad Nawaz Tahir, Ataf Ali Altaf
134.	Syntheses, Molecular Structure and Electrochemical Investigations of Cobalt(II), Copper(II), Palladium(II) and Zinc(II) Complexes with 3-Methylpyrazole	Journal of Coordination Chemistry	2014	Sher Ali Khan, Awal Noor, Rhett Kempe, Hanif Subhan, Afzal Shah, Ezzat Khan
133.	Synthesis and Characterization of Iron Oxide Nanoparticles Supported on Ziconia and Its Application in the Gas-Phase Oxidation of Cyclohexanol to Cyclohexanone	Modern Research in Catalysis	2014	Sadiq, M.; Zamin, G.; Razia.; Ilyas, M.; Gul. Zamin.
132.	Synthesis and Characterization of Spirosilanes, 1,2-Hydroboration and 1,1-Carboboration	European Journal of Inorganic Chemistry	2014	Ezzat Khan, Bernd Wrackmeyer, Christian Döring, Rhett Kempe
131.	Synthesis of 1-Silacyclopent-2-ene Derivatives using 1,2-Hydroboration, 1,1-Organoboration and Protodeborylation	Applied Organometallic Chemistry	2014	Ezzat Khan, Oleg. L. Tok, Bernd Wrackmeyer
130.	Synthesis of Alkali Activated Cement from Local Clay and its Characterization	Chemical Engineering Transactions	2014	N. Amin, Sultan Alam, S. Gul
129.	A New Bezoxepine Derivative from Senecio desfontainei.	Records of Natural Products	2013	Hussain, S. H.; Latif, A.; Arfan, M.; Ali, M.; Simpson, T. J.; Cox, R. J.; Shaheen, F.; Uddin, G.,
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127.	Antiproliferative Activity and Chemical Constituents of Hypericum dyeri. Rehder.	J. Chem. Soc. Pak	2013	Ali, M.; Arfan, M.; Zaman, K.,
126.	Chemical activation of Clay in Cement Mortar, using Calcium Chloride	Advances in Cement Research	2013	N.Amin, S.Alam, S.Gul, K. Muhammad
125.	Comparison of synthetic and indigenous functionalized sorbents for preconcentration and determination of Cu (II)	Korean Journal of Chemical Engineering	2013	Jasmin Shah, M. Rasul Jan, Maria Sadia and Atta ul Haq

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124.	Influence of Sepiolite and Electron Beam Irradiation on the Structural and Physicochemical Properties of Polyethylene/Starch Nanocomposites.	Polym. Compos.	2013	T. Yasin, M. Nisar, M. Shafiq, Y-C. Nho, R. Ahmad
123.	Magnetic adsorbent used in combination with ultrafiltration membrane for the removal of surfactants from water	Desalin. Water. Treat.	2013	Zahoor M.
122.	Microbial evaluation of branded and unbranded milk sold in the city of Chakdara, Dir (Lower) Pakistan. A pilot study.	The Health	2013	Zahoor M, Naz S, Fahim-Ullah S,
121.	New Inhibitors of ROS Generation and T-Cell Proliferation from Myrtus communis	ORGANIC LETTERS	2013	M. I. Choudhary, N. Khan, M. Ahmad, S. Yousuf, H-K. Fun, S. Soomro, M. Asif, M. A. Mesaik, F. Shaheen
120.	Phytochemical screening and antioxidant activity of Pakistani medicinal plants.	Wudpecker Journal of Medicinal Plants	2013	Rauf, A.; Uddin, G.; Ali, M.; Ahmad, N.; Gul, S.,
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118.	Phytoremediation of Heavy Metals-Concepts and Applications	Chemosphere	2013	Hazrat Ali, Ezzat Khan
117.	Removal of Heavy Metals from Aqueous Solution through Adsorption onto Biomass Based Adsorbent.	Tenside Surf. Det.	2013	Sultan Alam, Azmatullah.
116.	Removal of metribuzin herbicide from aqueous solution using corn cob	Int. J. sci. Environ. Tech.	2013	B. Ara, J. Shah, M. R. Jan, S. Aslam
115.	Removal of paraquat and linuron from water by continuous flow adsorption/ultrafiltration membrane processes	J. Chem. Soc. Pak.	2013	Zahoor M.
114.	Role of natural products in green synthesis of nanoparticles.	Green Biosynthesis of Nanoparticles: Mechanisms and Applications	2013	Ali, M.; Arfan, M.; Shahverdi, A. R.; Rai, M.; Posten, C.,



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112.	Spectrophotometric determination of metribuzin herbicide with p-dimethylamino-benzaldehyde using factorial designs for optimization of experimental variables	Journal of Saudi Chemical Society	2013	B. Ara, J. Shah, M. R. Jan, M. Muhammad
111.	The comparative free radical scavenging effect of Trigonella foenumgraecum, Solanum nigrum and Spinacia oleracea.	Academic Journal of Plant Science	2013	Arfan, M.; Usman, S. G. R.; Khan, A.; Rauf, A.; Shah, N. M. S. U. A.; Khan, A.; Ali, M.,
110.	Thermocatalytic Conversion of Coal Soot to Carbon Nanorods	Fullerenes, Nanotubes and Carbon Nanostructures	2013	M. Shakirullah, I. Ahmad, N. Zada, M. Ishaq, W. Ahmad, K. Saeed and I. Mohammadzai
109.	Zirconia Supported Iron as an Efficient Green Catalyst for the Selective Liquid Phase Solvent Free Oxidation of Alcohol with Molecular Oxygen.	Tenside Surf. Det.	2013	M. Sadiq, M. Ilyas, Sultan Alam, H. Khaliq.
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107.	1-(Pyridin-2-yl)-2-[2-(trifluoromethyl)-benzyl]-3-[2-(trifluoromethyl)phenyl]-propan-1-one	Acta Crystallographica E	2012	M. N. Umar, M. Shoaib; S. W. Ng
106.	1,3-Bis(1-cyclohexylethyl)imidazolidine-2-thione	Acta Crystallographica E	2012	M. N. Umar; M. N. Tahir; M. Shoaib; A. Ali; Ziauddin
105.	1,3-Bis(1-phenylethyl)imidazolidine-2-thione	Acta Crystallographica E	2012	M. N. Umar; M. N. Tahir; M. Shoaib; A. Ali; I. Khan
104.	2-[(E)-3,4-Dimethoxybenzylidene]-hydrazinecarboxamide	Acta Crystallographica E	2012	M. N. Tahir; M. N Umar; A. Ali; H. A. Shad
103.	2-Benzyl-3-phenyl-1-(pyridin-2-yl)-propan-1-one	Acta Crystallographica E	2012	M. N. Umar; M. Shoaib; S. W. Ng
102.	3-[(E)-(Pyridin-3-ylimino)methyl]phenol	Acta Crystallographica E	2012	M. N. Tahir; A. Ali; M. N. Umar; I. Hussain; H. A. Shad
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96.	Biological screening of Scrophularia nodosa extract and its fractions	Pak. J. Pharm. Sci.	2012	M.Ahmad; N. Muhammad; Mehjabeen; N. Jehan; S. M. Alam; M. Ahmad; Obaidullah
95.	Chiral picolylamines for Michael and aldol reactions: probing substrate boundaries	Org. Biomol. Chem.	2012	Thomas C. Nugent, Ahtaram Bibi, Abdul Sadiq, Mohammad Shoaib, M. Naveed Umar and Foad N. Tehrani
94.	Determination of Dinitroaniline Herbicide in Food Samples & Commercial Formulations Using Spectrophotometric Methods",	Pak. J. Weed Sci. Res.	2012	F. N. Shehzad, R. Khan, B. Ara, M. Muhammad
93.	Diterpenoids from Euphorbia neriifolia.	Phytochemistry	2012	Liu, J.-H.; Latif, A.; Ali, M.; Zhang, G.-P.; Xiang, W.-J.; Ma, L.; Arfan, M.; Hu, L.-H.,
92.	Effect of coal ash on the morphological, thermal and mechanical properties of poly(methyl methacrylate)	Journal of Chilean Chemical Society	2012	M. Ishaq, K. Saeed, M. Shakirullah, I. Ahmad, T. Rehman
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87.	Heavy metal determination in various types of soot	Tenside Surf. Det.	2012	Y. Iqbal, S. M. Sohail, I. Ahmad, K. Saeed
86.	Hydration Mechanism of Tricalcium Silicate (Alite).	Advances in Cement Research	2012	N.Amin, S.Alam, S.Gul, K. Muhammad
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78.	N-Methylpyrrolidine-1-carbothioamide	Acta Crystallographica E	2012	M. N. Umar; M. N. Tahir; M. Shoaib; A. Ali; I. Khan,

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72.	Removal of crystal violet from water by adsorbent prepared from Turkish coffee residue	Tenside Surf. Det.	2012	M. Zahoor
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70.	Removal of Synthetic Organic Foulants by Granular Activated Carbon Filters and Ultrafiltration Membrane	Tenside Surf. Det.	2012	M. Zahoor
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67.	Thermo-Analytical Study of Local Coal at Jabba Taar and Jabba Khushk, Pakistan with Reference to its Use in Cement Kiln	J. Chem. Soc. Pak.	2012	N. Amin, K. Ali, Sultan Alam
66.	A sunlight-induced method for rapid biosynthesis of silver nanoparticles using an <i>Andrachnea chordifolia</i> ethanol extract.	Applied Physics A: Materials Science & Processing	2011	Karimi Zarchi, A. A.; Mokhtari, N.; Arfan, M.; Rehman, T.; Ali, M.; Amini, M.; Faridi Majidi, R.; Shahverdi, A. R.,

65.	Activation of bagasse ash in cement using different techniques	Construction Materials	2011	N. Amin; S. Alam
64.	Adsorption Studies of Basic Green 4 from Aqueous Solution on Ca <sup>2+</sup> Exchanged Clay.	Tenside Surf. Det.	2011	F. K. Bangash, Sultan Alam, M. Khan,
63.	Analysis of chemical constituents in medicinal plants of selected districts of Pakhtoonkhwa, Pakistan	African Journal of Biotechnology	2011	I. Hussain; R. Ullah; J. Khan; N. Khan; M. Zahoor; N. Ullah; M. R. Khattak; F. A. Khan; A. Baseer; M. Khurram
62.	Anti-inflammatory xanthenes from the twigs of <i>Hypericum oblongifolium</i> wall.	Planta Medica	2011	Ali, M.; Arfan, M.; Ahmad, M.; Singh, K.; Anis, I.; Ahmad, H.; Choudhary, M. I.; Shah, M. R.,
61.	Antimicrobial and Antioxidant Activities of Phenolic Compound Extracted from New <i>Verbascum</i> Species Growing in Turkey.	J. Chem. Soc. Pak	2011	Saltan, F. Z.; SÃ–Kmen, M.; Akin, M.; Sara, H. T.; GÃ–Ktark, R. S.; Ahmad, M.; Ali, M.; Shah, M. R.,
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59.	Biodiesel production from mustard oil, coal ash using as catalyst	Middle East Journal of Scientific Research	2011	F. A. Khan; M. Zahoor; S. M. M. Shah; A. Khan; N. Ullah; S. M. H. Shah; M. Khuram
58.	Chemical activation of bagasse ash in cement mortar	Advances in Cement Research	2011	N. Amin; K. Ali; M. T. Shah; S. Alam
57.	Collection, Identification and Preservation of <i>Erwinia caratovora</i> sub specie <i>Caratovora</i> from isolates of carrot	American Journal of Agric. & Environ. Sci.	2011	F. A. Khan; A. Khan; M. R. Khatak; M. Zahoor
56.	Comparative antioxidant and antimicrobial activities of phenolic compounds extracted from five <i>Hypericum</i> species.	Food Technology and Biotechnology	2011	Ali, M.; Arfan, M.; Ahmad, H.; Zaman, K.; Khan, F.; Amarowicz, R.,
55.	Differential Inhibitory Potencies of Alcoholic Extract of Different Parts of <i>Dryopteris Chrysocoma</i> on Inflammation in Mice and Rats	Pak. J. Pharm. Sci.	2011	M. Ahmad; N. Jahan; Mahayrookh; Mehjabeen; A. B. Rehman; M. Ahmad; O. Ullah; N. Mohammad
54.	Estimation of inorganic constituents in the seeds of blue and white flowering capitulum of <i>Silybum marianum</i>	African Journal of Biotechnology	2011	F. A. Khan; M. R. Khattak; M. Zahoor

53.	Evaluation of different types of <i>Citrullus vulgaris</i> for its physical parameters and proximate composition	Journal of Pharmacy Research	2011	F. A. Khan; A. Khan; J. Hussain; M. Rahman; M. Zahoor; S. M. M. Shah
52.	Heavy metals and inorganic constituents in medicinal plants of selected Districts of Khyber Pakhtoonkhwa, Pakistan	African Journal of Biotechnology	2011	I. Hussain; R. Ullah; M. Khurram; N. Ullah; A. Baseer; F. A. Khan; N. Khan; M. R. Khattak; M. Zahoor; J. Khan
51.	Inorganic constituents of Blue and white flowering <i>silybum marianum</i> from different districts of Khyber Pakhtoon Khwa, Pakistan	Middle East Journal of Scientific Research	2011	F. A. Khan; I. Hussain; M. Zahoor; M. Rehamn
50.	Investigation of the Antimicrobial Activity of the Extract of the Leaves of Sugar Cane ( <i>Sacharaum officinarum</i> )	J. Pharmacy Research	2011	Z. Hussain, P. Mohammad, S. K. Sadozai, K. Zaman, K. M. Khan, Sultan Alam
49.	Kinetics and Adsorption Isotherms for the Removal of Tartrazine from Aqueous Solution by Coal Ash	Tenside Surf. Det.	2011	M. Ishaq, K. Saeed and S. Nadeem
48.	Molecular simulations of Taxawallin I inside classical taxol binding site of $\beta$ -tubulin.	Fitoterapia	2011	I. Khan, M. Nisar, Manzoor Ahmad, H. Shah, Z. Iqbal, M. Saeed, S. M. A. Halimi, W. A. Kaleem, M. Qayum, A. Aman and S. M. Abdullah.
47.	Multiwalled Carbon Nanotubes/Poly (butylene terephthalate) Nanofibers: Morphological, Mechanical and Thermal Properties	Iranian Polymer Journal	2011	K. Saeed, S. Y. Park
46.	New anthraquinone dimer from the root bark of <i>Cassia artemisioides</i> (Gaudich. Ex. DC) Randell.	Journal of Asian natural products research	2011	Zaman, K.; Khan, M. R.; Ali, M.; Maitland, D. J.,
45.	Physicochemical characteristics and Maleic Acid adsorption capacity of Lakhra coal (Pakistan)	J. Chem. Soc. Pak.	2011	M. Ishaq, K. Saeed, I. Ahmad, M. Shakirullah, M. Iqbal Khan
44.	Phytochemical analysis of selected medicinal plants	African Journal of Biotechnology	2011	I. Hussain; R. Ullah; R. Ullah; M. Khurram; N. Ullah; A. Baseer; F. A. Khan; M. R. Khattak; M. Zahoor; J. Khan; N. Khan
43.	Preliminary phytochemical screening and antimicrobial activity of <i>Hedera helix</i> .	Middle-East Journal of Scientific Research	2011	Uddin, G.; Rauf, A.; Qaisar, M.; Latif, A.; Ali, M.,

42.	Preparation of Hydrazine-Modified Polyacrylonitrile Nanofibers for the extraction of metal ions from aqueous media	Journal of Applied Polymer Science	2011	K. Saeed, S.Y. Park and T. J. Oh
41.	Preparation, Morphology, and Properties of Coal Ash/Polyethylene oxide Composites	Turkish Journal of Chemistry	2011	K. Saeed, M. Ishaq, M. Ilyas
40.	Removal of 2, 4-D from Water, Using Various Adsorbents In Combination With Ultrafiltration	Fresenius Environ. Bulletin	2011	M. Zahoor; M. Mahramanlioglu
39.	Removal of Triphenyl methane Dye from Aqueous Solution by Carbonaceous Adsorbent”	Tenside Surf. Det.	2011	Sultan Alam, F. Mabood, Noor-ul-Amin, M. Sadiq, F. K. Bangash.
38.	Screening of Crude Phytochemicals and Antimicrobial activities of Selected Medicinal Plants of Peshawar Region Khyber Pakhtoon Khawa Pakistan	Journal of Pharmacy Research	2011	J. Hussain; F. A. Khan; M. R. Khattak; S. M. M. Shah; M. Zahoor; S. M. H. Shah
37.	Screening of Crude Phytochemicals and Antimicrobial Activities of Selected Medicinal Plants of Peshawar Region Khyber Pakhtoon Khawa Pakistan	Middle East Journal of Scientific Research	2011	F. A. Khan; M. R. Khattak; S. M. M. Shah; M. Zahoor; S. M. H. Shah
36.	Screening of Mentha longifolia for Nutritional, Antinutritional and Inorganic contents	Journal of Pharmacy Research	2011	F. A. Khan; N. Ullah; J. Hussain; A. Khan; M. Zahoor; S. M. M. Shah
35.	Synthesis and NMR Spectroscopic Characterization of Si-Substituted 1-Silacyclobutene Derivatives.	Central European Journal of Chemistry	2011	Ezzat Khan, Bernd Wrackmeyer
34.	Uraese inhibitors from indigofera gerardiana Wall	J. Enz. Inhib. Med. Chem	2011	S.A.Tariq; M.N.Ahmad; Obaidullah; A.Khan; M.I Choudhary; W.Ahmad; M.Ahmad
33.	Acidic Surface Functional Groups and Mineral Elements in Lakra Coal (Sindh, Pakistan)	J. Chem. Soc. Pak.	2010	K. Saeed, M. Ishaq, I. Ahmad, M. Shakirullah and S. Haider
32.	Adsorption of Azo dye on Activated Carbon Prepared from Waste Wood: 2. Equilibrium	J. Chem. Soc. Pak.	2010	Sultan Alam, M. Ahmad and F. K. Bangash.
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30.	Anticonvulsant activity of DNS II fraction in the acute seizure models	J. Ethnopharm.	2010	M. L. Raza, M. Zeeshan, Manzoor Ahmad, F. Shaheen, S. U. Simjee.
29.	Catalytic Conversion of Waste Inner Tube Rubber (Isobutylene Isoprene) into Valuable Product	J. Chem. Soc. Pak.	2010	F. Mabood, M. R. Jan, J. Shah, F. Jabeen, S. Alam, M. Sadiq, J. Hussain, Z. Hussain
28.	Effect of Various Substituents on Intramolecular 1,1-Vinylboration, Synthesis of 1-Silacyclobutene Derivatives	Turkish Journal of Chemistry	2010	Ezzat Khan, Bernd Wrackmeyer
27.	Identification of novel quinazolin-4(3H)-ones as inhibitors of thermolysin, the prototype of the M4 family of proteinases	Bioorganic & Medicinal Chemistry	2010	M. T. H. Khan; R. Khan; Y. Wuxiuer; M. Arfan; M. Ahmed; I. Sylte
26.	Preparation and characterization of Multiwalled Carbon Nanotubes/Polyacrylonitrile Nanofibers	Journal of Polymer Research	2010	K. Saeed, and S. Y. Park
25.	Preparation and Properties of PCL/PBT Blends	Iran. J. Chem. Chem. Eng.	2010	K. Saeed, S. Y. Park
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23.	Removal of Tartrazine from Aqueous Solutions by Activated Coal	Tenside Surf. Det.	2010	M. Ishaq, K. Saeed, I. Ahmad, M. Shakirullah and S. Nadeem
22.	Review on Properties, Dispersion and Toxicology of Carbon Nanotubes	J. Chem. Soc. Pak.	2010	K. Saeed
21.	Synthesis and Antileishmanial and Antimicrobial activities of some 2,3-disubstituted 3H-quinazolin-4-ones	J. Enz. Inhib. Med. Chem	2010	M. Arfan; R. Khan; M. A. Khan; S. Anjum; M. I. Choudhary; M. Ahmad
20.	Synthesis and Molecular Structure of Bis(4-methylpiperidinodithiocarbamate)nickel(II)	J. Chem. Soc. Pak.	2010	E. Khan; A. Badshah; R. Kempe.
19.	Tetra(alkynyl)silanes, a 3,6-Disila-triyne, a 3,6,9-Trisila-tetrayne, a 1,3,4,6-Tetrasiladiyne, and Bis(trimethylstannyl)ethyne. Molecular Structures and Solid-State NMR Studies	Z. Naturforsch.	2010	B. Wrackmeyer; E. Khan; A. Badshah; E. Molla; P. Thoma; O. L. Tok; W. Milius; R. Kempe; J. Senker
18.	Adsorption of Acid Blue 1 on Activated Carbon Produced from the Wood of Ailanthus altissima	Braz. J. Chem. Eng.	2009	F. K. Bangash; S. Alam
17.	Adsorption of Multiwalled Carbon Nanotubes on Electrospun Polycaprolacton Nanofibers	Journal of Chilean Chemical Society	2009	K. Saeed, S. Y. Park and M. Ishaq



16.	Anticonvulsant Activity of Aconitum Violaceum Seizure Model in Mice	Journal of Neurochemistry	2009	M. L. Raza, M. Zeeshan, Manzoor Ahmad, F. Shaheen and S. Simjee.
15.	Calcium Channel Blocking activities of Withania Coagulans	Afr. J. Pharm. Pharmacol.	2009	N.Ali; B.Ahamd; S.Bashir; J.Shah; S. Azam; M.Ahamad
14.	Catalytic Activity of New Oxazoline Phosphinite N, P-Ligand-iridium Complexes in Asymmetric Hydrogenation of Olefines. Imines and Thiophene	J. Pak. Mater. Soc.	2009	M. Sadiq, Pher G. Anderson, M. Ilyas, Sultan Alam, F. Mabood
13.	Characterization of Poly(butylene Terephthalate) Electrspun Nanofibers Containing Titanium Oxide	Iranian Polymer Journal	2009	K. Saeed, S. Y. Park and N. Ali
12.	Chemical Constituents and Antioxidant Activity of Geranium wallichianum	Rec. Nat. Prod.	2009	M. Ismail; M. Ibrar; Z. Iqbal; J. Hussain; H. Hussain; M. Ahmed; A. Ejaz; M. I. Choudhary
11.	Comparative Study of Commercially Available ZrO <sub>2</sub> and Laboratory Prepared ZrO <sub>2</sub> for Liquid Phase Solvent Free Oxidation of Cyclohexanol	J. Pak. Mater. Soc.	2009	M. Sadiq, M. Ilyas, Sultan Alam, F. Mabood
10.	Elemental Analysis of Elemental Carbon by E.D.S Spectrophotometry and X-ray Diffraction.	J. Chem. Soc. Pak.	2009	Sultan Alam, Seema, F. K. Bangash,
9.	Investigation of Specific Elemental Distribution in C. sativus L. S.melongena L and M.charantia by Atomic Absorption Spectrometry	J. Chem. Soc. Pak.	2009	Sultan Alam, I. Ahmad, F. K. Bangash.
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7.	Removal of Brilliant Blue R from Aqueous Solution on Activated Carbon Produced from Carbonaceous Substrate	Tenside Surf. Det.	2009	Sultan Alam, M. Ahmad, F. K. Bangash
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5.	Siloles Bearing Si-Vinyl and Si-Allyl Functions. 1,1-Organoboration and Protodeborylation	Zeitschrift fur Naturforschung	2009	Ezzat Khan and Bernd Wrackmeyer
4.	Surface Area and Pore Size Distribution of Activated Carbon Produced from Low Cost Precursors.	J. Chem. Soc. Pak	2009	Sultan Alam, F. K. Bangash

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2.	Synthesis and Molecular Structure of Silole Derivatives Bearing Functional Groups on Silicon. 1,1-Organoboration of Dialkyn-1-ylsilanes	European Journal of Inorganic Chemistry	2009	Ezzat Khan, Stefan Bayer, Rhett Kempe and Bernd Wrackmeyer.
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