# Firdos Alam Khan

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 74 papers | 933 citations | 18 h-index | 27 g-index |
| 82 ext. papers | 1,245 ext. citations | 4.7 avg, IF | 5.11 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 74 | Synthesis of 29H,31H-phthalocyanine and chloro (29H,31H-phthalocyaninato) aluminum derivatives showed anti-cancer and anti-bacterial actions. *Journal of Saudi Chemical Society*, **2022**, 26, 101436 | 4.3 | |
| 73 | Biological databases and tools for neurological disorders.. *Journal of Integrative Neuroscience*, **2022**, 21, 41 | 1.5 | 0 |
| 72 | Structure, magnetoelectric, and anticancer activities of core-shell Co0.8Mn0.2R0.02Fe1.98O4@BaTiO3 nanocomposites (R = Ce, Eu, Tb, Tm, or Gd). *Ceramics International*, **2022**, | 5.1 | 3 |
| 71 | Green synthesis, characterization and anti-cancer capability of Co0.5Ni0.5Nd0.02Fe1.98O4 nanocomposites. *Arabian Journal of Chemistry*, **2022**, 15, 103564 | 5.9 | 1 |
| 70 | Green synthesis of Nd substituted Co-Ni nanospinel ferrites: a structural, magnetic, and antibacterial/anticancer investigation. *Journal Physics D: Applied Physics*, **2022**, 55, 055002 | 3 | 5 |
| 69 | Trends in targeted delivery of nanomaterials in colon cancer diagnosis and treatment. *Medicinal Research Reviews*, **2022**, 42, 227-258 | 14.4 | 7 |
| 68 | Template-free preparation of iron oxide loaded hollow silica spheres and their anticancer proliferation capabilities.. *RSC Advances*, **2022**, 12, 6791-6802 | 3.7 | 0 |
| 67 | Endocrine Pancreas and Glucose Metabolism **2022**, 247-285 | | |
| 66 | Synthesis of NiCoCdFeNdO (x 0.25) nanofibers by using electrospinning technique induce anti-cancer and anti-bacterial activities. *Journal of Biomolecular Structure and Dynamics*, **2021**, 39, 3186-3193 | 3.6 | 21 |
| 65 | Thymoquinone Potentiates the Effect of Phenytoin against Electroshock-Induced Convulsions in Rats by Reducing the Hyperactivation of m-TOR Pathway and Neuroinflammation: Evidence from In Vivo, In Vitro and Computational Studies. *Pharmaceuticals*, **2021**, 14, | 5.2 | 4 |
| 64 | Combinatorial Regimen of Carbamazepine and Imipramine Exhibits Synergism against Grandmal Epilepsy in Rats: Inhibition of Pro-Inflammatory Cytokines and PI3K/Akt/mTOR Signaling Pathway. *Pharmaceuticals*, **2021**, 14, | 5.2 | 1 |
| 63 | Emerging trends in the application of gold nanoformulations in colon cancer diagnosis and treatment. *Seminars in Cancer Biology*, **2021**, | 12.7 | 3 |
| 62 | Formulation of gold nanoparticles with hibiscus and curcumin extracts induced anti-cancer activity. *Arabian Journal of Chemistry*, **2021**, 15, 103594 | 5.9 | 3 |
| 61 | Synthesis, Characterization, Anti-Cancer Analysis of SrBaDySmFeO (0.00 1.0) Microsphere Nanocomposites. *Nanomaterials*, **2021**, 11, | 5.4 | 3 |
| 60 | Ultrasonic Synthesis and Biomedical Application of MnZnErYFeO Nanoparticles. *Biomolecules*, **2021**, 11, | 5.9 | 4 |
| 59 | Designing of CoNi.GaFeO (0.0 x 1.0) Microspheres via Hydrothermal Approach and Their Selective Inhibition on the Growth of Cancerous and Fungal Cells. *Pharmaceutics*, **2021**, 13, | 6.4 | 7 |
| 58 | Synthesis of niobium substituted cobalt-nickel nano-ferrite (CoNiNbFeO (x 0.1) by hydrothermal approach show strong anti-colon cancer activities. *Journal of Biomolecular Structure and Dynamics*, **2021**, 39, 2257-2265 | 3.6 | 9 |

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| 57 | Targeted delivery of miRNA based therapeuticals in the clinical management of Glioblastoma Multiforme. *Seminars in Cancer Biology*, **2021**, 69, 391-398 | 12.7 | 27 |
| 56 | The synthesis and antiproliferative activity of new N-allyl quinoxalinecarboxamides and their O-regioisomers. *New Journal of Chemistry*, **2021**, 45, 831-849 | 3.6 | 1 |
| 55 | Anti-microbial and anti-cancer activities of MnZnDyFeO□(x □0.1) nanoparticles. *Artificial Cells, Nanomedicine and Biotechnology*, **2021**, 49, 493-499 | 6.1 | 7 |
| 54 | Stem Cells in Regenerative Medicine: Clinical Trials. *Pancreatic Islet Biology*, **2021**, 215-242 | 0.4 | |
| 53 | Immunotherapy for Alzheimer□s Disease: Current Scenario and Future Perspectives. *journal of prevention of Alzheimer□s disease, The*, **2021**, 8, 534-551 | 3.8 | 1 |
| 52 | Synthesis and Cytotoxic Activity of Novel Metal Complexes Derived from Methyl-3-(4-chlorophenyl)-3-hydroxy-2,2-dimethylpropanoate as Potential CDK8 Kinase Inhibitors. *ACS Omega*, **2021**, 6, 5244-5254 | 3.9 | 1 |
| 51 | Biofabricated Fatty Acids-Capped Silver Nanoparticles as Potential Antibacterial, Antifungal, Antibiofilm and Anticancer Agents. *Pharmaceuticals*, **2021**, 14, | 5.2 | 13 |
| 50 | Sol-Gel Synthesis of Dy-Substituted NiCuZn(FeDy)O Nano Spinel Ferrites and Evaluation of Their Antibacterial, Antifungal, Antibiofilm and Anticancer Potentialities for Biomedical Application. *International Journal of Nanomedicine*, **2021**, 16, 5633-5650 | 7.3 | 5 |
| 49 | Spectrochemical Analysis Using LIBS and ICP-OES Techniques Of Herbal Medicine (Tinnevelly Senna Leaves) and Its Anti-cancerous/ Antibacterial Applications. *Arabian Journal of Chemistry*, **2021**, 14, 103451 | 5.9 | 2 |
| 48 | Carbon Nano Tubes: Novel Drug Delivery System in Amelioration of Alzheimer□s Disease. *Combinatorial Chemistry and High Throughput Screening*, **2021**, 24, 1528-1543 | 1.3 | 1 |
| 47 | Emerging trends in the delivery of nanoformulated oxytocin across Blood-Brain barrier. *International Journal of Pharmaceutics*, **2021**, 609, 121141 | 6.5 | 0 |
| 46 | Types and Classification of Stem Cells. *Pancreatic Islet Biology*, **2021**, 25-49 | 0.4 | |
| 45 | Magnetic properties, anticancer and antibacterial effectiveness of sonochemically produced Ce3+/Dy3+ co-activated Mn-Zn nanospinel ferrites. *Arabian Journal of Chemistry*, **2020**, 13, 7403-7417 | 5.9 | 25 |
| 44 | Neuron-glia interactions: Molecular basis of alzheimer□s disease and applications of neuroproteomics. *European Journal of Neuroscience*, **2020**, 52, 2931-2943 | 3.5 | 22 |
| 43 | Evaluation of bioactivities of zinc oxide, cadmium sulfide and cadmium sulfide loaded zinc oxide nanostructured materials prepared by nanosecond pulsed laser. *Materials Science and Engineering C* , **2020**, 116, 111156 | 8.3 | 10 |
| 42 | Synthesis of Dy-Y co-substituted manganese-zinc spinel nanoferrites induced anti-bacterial and anti-cancer activities: Comparison between sonochemical and sol-gel auto-combustion methods. *Materials Science and Engineering C*, **2020**, 116, 111186 | 8.3 | 29 |
| 41 | Quantum dots encapsulated with curcumin inhibit the growth of colon cancer, breast cancer and bacterial cells. *Nanomedicine*, **2020**, 15, 969-980 | 5.6 | 12 |
| 40 | Newly synthesized 3-(4-chloro-phenyl)-3-hydroxy-2,2-dimethyl-propionic acid methyl ester derivatives selectively inhibit the proliferation of colon cancer cells.. *RSC Advances*, **2020**, 10, 8825-8841 | 3.7 | 1 |

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| 39 | Anticandidal and In vitro Anti-Proliferative Activity of Sonochemically synthesized Indium Tin Oxide Nanoparticles. *Scientific Reports*, **2020**, 10, 3228 | 4.9 | 27 |
| 38 | Single step production of high-purity copper oxide-titanium dioxide nanocomposites and their effective antibacterial and anti-biofilm activity against drug-resistant bacteria. *Materials Science and Engineering C*, **2020**, 113, 110992 | 8.3 | 30 |
| 37 | Nanomaterials: Types, Classifications, and Sources **2020**, 1-13 | | 7 |
| 36 | Major Nano-based Products: Nanomedicine, Nanosensors, and Nanodiagnostics **2020**, 211-228 | | 2 |
| 35 | Synthesis of Nanomaterials: Methods & Technology **2020**, 15-21 | | 8 |
| 34 | Recent Advancement in Clinical Application of Nanotechnological Approached Targeted Delivery of Herbal Drugs **2020**, 151-172 | | 7 |
| 33 | Synthesis and biological characterization of MnZnEuDyFeO nanoparticles by sonochemical approach. *Materials Science and Engineering C*, **2020**, 109, 110534 | 8.3 | 20 |
| 32 | Correlation between microstructure parameters and anti-cancer activity of the [Mn0.5Zn0.5](EuxNdxFe2-2x)O4 nanoferrites produced by modified sol-gel and ultrasonic methods. *Ceramics International*, **2020**, 46, 7346-7354 | 5.1 | 91 |
| 31 | Synthesis and Anti proliferative Activity of New N-Pentylquinoxaline carboxamides and Their O-Regioisomer. *ChemistrySelect*, **2020**, 5, 13439-13453 | 1.8 | 1 |
| 30 | Using for bioinspired synthesis of titanium dioxide and silver nanoparticles, targeting biomedical applications.. *RSC Advances*, **2020**, 10, 32137-32147 | 3.7 | 31 |
| 29 | Bactericidal and In Vitro Cytotoxicity of Seed Extract and Its Elemental Analysis Using Laser-Induced Breakdown Spectroscopy. *Pharmaceuticals*, **2020**, 13, | 5.2 | 16 |
| 28 | A Wild for Biomediation of One Pot Synthesis of Titanium Oxide and Silver Nanoparticles for Antibacterial and Anticancer Application. *Biomolecules*, **2020**, 10, | 5.9 | 18 |
| 27 | Delivery of Conjugated Silicon Dioxide Nanoparticles Show Strong Anti-Proliferative Activities. *Applied Biochemistry and Biotechnology*, **2019**, 189, 760-773 | 3.2 | 8 |
| 26 | CeNd Co-substituted nanospinel cobalt ferrites: An investigation of their structural, magnetic, optical, and apoptotic properties. *Ceramics International*, **2019**, 45, 16147-16156 | 5.1 | 48 |
| 25 | Targeted delivery of poly (methyl methacrylate) particles in colon cancer cells selectively attenuates cancer cell proliferation. *Artificial Cells, Nanomedicine and Biotechnology*, **2019**, 47, 1533-1542 | 6.1 | 34 |
| 24 | Functionalized magnetic nanoparticles attenuate cancer cells proliferation: Transmission electron microscopy analysis. *Microscopy Research and Technique*, **2019**, 82, 983-992 | 2.8 | 10 |
| 23 | Tracking of SPIONs in Barley (Hordeum vulgare L.) Plant Organs During its Growth. *Journal of Superconductivity and Novel Magnetism*, **2019**, 32, 3285-3294 | 1.5 | 7 |
| 22 | Biocompatible Tin Oxide Nanoparticles: Synthesis, Antibacterial, Anticandidal and Cytotoxic Activities. *ChemistrySelect*, **2019**, 4, 4013-4017 | 1.8 | 30 |

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|---|---|---|---|
| 21 | Synthesis and in vitro anti-proliferative capabilities of steroidal thiazole and indole derivatives. *Journal of Saudi Chemical Society*, **2019**, 23, 775-780 | 4.3 | 2 |
| 20 | Role of Lipid Rafts in Hematopoietic Stem Cells Homing, Mobilization, Hibernation, and Differentiation. *Cells*, **2019**, 8, | 7.9 | 5 |
| 19 | Convenient Synthesis and Anticancer Activity of Methyl 2-[3-(3-Phenyl-quinoxalin-2-ylsulfanyl)propanamido]alkanoates and -Alkyl 3-((3-Phenyl-quinoxalin-2-yl)sulfanyl)propanamides. *ACS Omega*, **2019**, 4, 18555-18566 | 3.9 | 18 |
| 18 | Combinational Use of Phytochemicals and Chemotherapeutic Drugs Enhance Their Therapeutic Potential on Human Cervical Cancer Cells. *International Journal of Cancer Management*, **2019**, 12, | 0.9 | 5 |
| 17 | Synthesis of MnZnSmEuFeO Nanoparticles via the Hydrothermal Approach Induced Anti-Cancer and Anti-Bacterial Activities. *Nanomaterials*, **2019**, 9, | 5.4 | 44 |
| 16 | Fluorescent magnetic submicronic polymer (FMSP) nanoparticles induce cell death in human colorectal carcinoma cells. *Artificial Cells, Nanomedicine and Biotechnology*, **2018**, 46, S247-S253 | 6.1 | 21 |
| 15 | FMSP-Nanoparticles Induced Cell Death on Human Breast Adenocarcinoma Cell Line (MCF-7 Cells): Morphometric Analysis. *Biomolecules*, **2018**, 8, | 5.9 | 26 |
| 14 | Impact of nanoparticles on neuron biology: current research trends. *International Journal of Nanomedicine*, **2018**, 13, 2767-2776 | 7.3 | 27 |
| 13 | Medical biotechnology **2018**, 355-419 | | 1 |
| 12 | Microbial biotechnology **2018**, 178-220 | | |
| 11 | Synthesis of chitosan nanoparticles, chitosan-bulk, chitosan nanoparticles conjugated with glutaraldehyde with strong anti-cancer proliferative capabilities. *Artificial Cells, Nanomedicine and Biotechnology*, **2018**, 46, S1152-S1161 | 6.1 | 10 |
| 10 | Isolation, Culture, and Functional Characterization of Human Embryonic Stem Cells: Current Trends and Challenges. *Stem Cells International*, **2018**, 2018, 1429351 | 5 | 18 |
| 9 | Extracts of Clove () Potentiate FMSP-Nanoparticles Induced Cell Death in MCF-7 Cells. *International Journal of Biomaterials*, **2018**, 2018, 8479439 | 3.2 | 15 |
| 8 | The transdifferentiation potential of limbal fibroblast-like cells. *Developmental Brain Research*, **2005**, 160, 239-51 | | 47 |
| 7 | Beta-endorphin-like immunoreactivity in the forebrain and pituitary of the teleost Clarias batrachus (Linn.). *General and Comparative Endocrinology*, **1999**, 113, 290-301 | 3 | 13 |
| 6 | FMRFamide-like immunoreactivity in the olfactory system responds to morphine treatment in the teleost Clarias batrachus: involvement of opiate receptors. *General and Comparative Endocrinology*, **1998**, 110, 79-87 | 3 | 16 |
| 5 | Calcitonin-like immunoreactivity in the subcommissural organ and Reissner's fiber in the teleost Clarias batrachus, frog Rana tigrina and lizard Calotes versicolor. *Brain Research*, **1997**, 751, 13-9 | 3.7 | 5 |
| 4 | Activation of hypothalamic neurons by intraovarian pressure signals in a teleost fish, Clarias batrachus: role of mechanosensitive channels. *Brain, Behavior and Evolution*, **1996**, 47, 179-84 | 1.5 | 8 |

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| 3 | Involvement of corticosteroid-like neurosteroids in pentobarbital-induced sleep. *NeuroReport*, **1996** , 8, 139-41 | 1.7 | 7 |
| 2 | Intracranial metyrapone stimulates CRF-ACTH axis in the teleost, Clarias batrachus: possible role of neurosteroids. *NeuroReport*, **1994**, 5, 2093-6 | 1.7 | 15 |
| 1 | Biotechnology in Medical Sciences | | 3 |