

# Firdos Alam Khan

## List of Publications by Citations

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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	Correlation between microstructure parameters and anti-cancer activity of the $[\text{Mn}_{0.5}\text{Zn}_{0.5}](\text{Eu}_x\text{Nd}_x\text{Fe}_{2-2x})\text{O}_4$ nanoferrites produced by modified sol-gel and ultrasonic methods. <i>Ceramics International</i> , <b>2020</b> , 46, 7346-7354	5.1	91
73	CeNd Co-substituted nanospinel cobalt ferrites: An investigation of their structural, magnetic, optical, and apoptotic properties. <i>Ceramics International</i> , <b>2019</b> , 45, 16147-16156	5.1	48
72	The transdifferentiation potential of limbal fibroblast-like cells. <i>Developmental Brain Research</i> , <b>2005</b> , 160, 239-51		47
71	Synthesis of MnZnSmEuFeO Nanoparticles via the Hydrothermal Approach Induced Anti-Cancer and Anti-Bacterial Activities. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	44
70	Targeted delivery of poly (methyl methacrylate) particles in colon cancer cells selectively attenuates cancer cell proliferation. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2019</b> , 47, 1533-1542	6.1	34
69	Using for bioinspired synthesis of titanium dioxide and silver nanoparticles, targeting biomedical applications.. <i>RSC Advances</i> , <b>2020</b> , 10, 32137-32147	3.7	31
68	Biocompatible Tin Oxide Nanoparticles: Synthesis, Antibacterial, Anticandidal and Cytotoxic Activities. <i>ChemistrySelect</i> , <b>2019</b> , 4, 4013-4017	1.8	30
67	Single step production of high-purity copper oxide-titanium dioxide nanocomposites and their effective antibacterial and anti-biofilm activity against drug-resistant bacteria. <i>Materials Science and Engineering C</i> , <b>2020</b> , 113, 110992	8.3	30
66	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. <i>Materials Science and Engineering C</i> , <b>2020</b> , 116, 111186	8.3	29
65	Anticandidal and In vitro Anti-Proliferative Activity of Sonochemically synthesized Indium Tin Oxide Nanoparticles. <i>Scientific Reports</i> , <b>2020</b> , 10, 3228	4.9	27
64	Impact of nanoparticles on neuron biology: current research trends. <i>International Journal of Nanomedicine</i> , <b>2018</b> , 13, 2767-2776	7.3	27
63	Targeted delivery of miRNA based therapeutics in the clinical management of Glioblastoma Multiforme. <i>Seminars in Cancer Biology</i> , <b>2021</b> , 69, 391-398	12.7	27
62	FMSP-Nanoparticles Induced Cell Death on Human Breast Adenocarcinoma Cell Line (MCF-7 Cells): Morphometric Analysis. <i>Biomolecules</i> , <b>2018</b> , 8,	5.9	26
61	Magnetic properties, anticancer and antibacterial effectiveness of sonochemically produced Ce <sup>3+</sup> /Dy <sup>3+</sup> co-activated Mn-Zn nanospinel ferrites. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 7403-7417	5.9	25
60	Neuron-glia interactions: Molecular basis of alzheimer's disease and applications of neuroproteomics. <i>European Journal of Neuroscience</i> , <b>2020</b> , 52, 2931-2943	3.5	22
59	Synthesis of NiCoCdFeNdO (x 0.25) nanofibers by using electrospinning technique induce anti-cancer and anti-bacterial activities. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 3186-3193	3.6	21
58	Fluorescent magnetic submicronic polymer (FMSP) nanoparticles induce cell death in human colorectal carcinoma cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2018</b> , 46, S247-S253	6.1	21

57	Synthesis and biological characterization of MnZnEuDyFeO nanoparticles by sonochemical approach. <i>Materials Science and Engineering C</i> , <b>2020</b> , 109, 110534	8.3	20
56	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. <i>ACS Omega</i> , <b>2019</b> , 4, 18555-18566	3.9	18
55	A Wild for Biomediation of One Pot Synthesis of Titanium Oxide and Silver Nanoparticles for Antibacterial and Anticancer Application. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	18
54	Isolation, Culture, and Functional Characterization of Human Embryonic Stem Cells: Current Trends and Challenges. <i>Stem Cells International</i> , <b>2018</b> , 2018, 1429351	5	18
53	FMRFamide-like immunoreactivity in the olfactory system responds to morphine treatment in the teleost <i>Clarias batrachus</i> : involvement of opiate receptors. <i>General and Comparative Endocrinology</i> , <b>1998</b> , 110, 79-87	3	16
52	Bactericidal and In Vitro Cytotoxicity of Seed Extract and Its Elemental Analysis Using Laser-Induced Breakdown Spectroscopy. <i>Pharmaceuticals</i> , <b>2020</b> , 13,	5.2	16
51	Intracranial metyrapone stimulates CRF-ACTH axis in the teleost, <i>Clarias batrachus</i> : possible role of neurosteroids. <i>NeuroReport</i> , <b>1994</b> , 5, 2093-6	1.7	15
50	Extracts of Clove () Potentiate FMSP-Nanoparticles Induced Cell Death in MCF-7 Cells. <i>International Journal of Biomaterials</i> , <b>2018</b> , 2018, 8479439	3.2	15
49	Beta-endorphin-like immunoreactivity in the forebrain and pituitary of the teleost <i>Clarias batrachus</i> (Linn.). <i>General and Comparative Endocrinology</i> , <b>1999</b> , 113, 290-301	3	13
48	Biofabricated Fatty Acids-Capped Silver Nanoparticles as Potential Antibacterial, Antifungal, Antibiofilm and Anticancer Agents. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	13
47	Quantum dots encapsulated with curcumin inhibit the growth of colon cancer, breast cancer and bacterial cells. <i>Nanomedicine</i> , <b>2020</b> , 15, 969-980	5.6	12
46	Functionalized magnetic nanoparticles attenuate cancer cells proliferation: Transmission electron microscopy analysis. <i>Microscopy Research and Technique</i> , <b>2019</b> , 82, 983-992	2.8	10
45	Evaluation of bioactivities of zinc oxide, cadmium sulfide and cadmium sulfide loaded zinc oxide nanostructured materials prepared by nanosecond pulsed laser. <i>Materials Science and Engineering C</i> , <b>2020</b> , 116, 111156	8.3	10
44	Synthesis of chitosan nanoparticles, chitosan-bulk, chitosan nanoparticles conjugated with glutaraldehyde with strong anti-cancer proliferative capabilities. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2018</b> , 46, S1152-S1161	6.1	10
43	Synthesis of niobium substituted cobalt-nickel nano-ferrite (CoNiNbFeO (x 0.1) by hydrothermal approach show strong anti-colon cancer activities. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 2257-2265	3.6	9
42	Delivery of Conjugated Silicon Dioxide Nanoparticles Show Strong Anti-Proliferative Activities. <i>Applied Biochemistry and Biotechnology</i> , <b>2019</b> , 189, 760-773	3.2	8
41	Activation of hypothalamic neurons by intraovarian pressure signals in a teleost fish, <i>Clarias batrachus</i> : role of mechanosensitive channels. <i>Brain, Behavior and Evolution</i> , <b>1996</b> , 47, 179-84	1.5	8
40	Synthesis of Nanomaterials: Methods & Technology <b>2020</b> , 15-21		8

39	Tracking of SPIONs in Barley ( <i>Hordeum vulgare</i> L.) Plant Organs During its Growth. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2019</b> , 32, 3285-3294	1.5	7
38	Involvement of corticosteroid-like neurosteroids in pentobarbital-induced sleep. <i>NeuroReport</i> , <b>1996</b> , 8, 139-41	1.7	7
37	Nanomaterials: Types, Classifications, and Sources <b>2020</b> , 1-13		7
36	Recent Advancement in Clinical Application of Nanotechnological Approached Targeted Delivery of Herbal Drugs <b>2020</b> , 151-172		7
35	Trends in targeted delivery of nanomaterials in colon cancer diagnosis and treatment. <i>Medicinal Research Reviews</i> , <b>2022</b> , 42, 227-258	14.4	7
34	Designing of CoNi.GaFeO (0.0 $\leq$ $\leq$ 0.0) Microspheres via Hydrothermal Approach and Their Selective Inhibition on the Growth of Cancerous and Fungal Cells. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	7
33	Anti-microbial and anti-cancer activities of MnZnDyFeO( $\times$ 0.1) nanoparticles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2021</b> , 49, 493-499	6.1	7
32	Role of Lipid Rafts in Hematopoietic Stem Cells Homing, Mobilization, Hibernation, and Differentiation. <i>Cells</i> , <b>2019</b> , 8,	7.9	5
31	Calcitonin-like immunoreactivity in the subcommissural organ and Reissner's fiber in the teleost <i>Clarias batrachus</i> , frog <i>Rana tigrina</i> and lizard <i>Calotes versicolor</i> . <i>Brain Research</i> , <b>1997</b> , 751, 13-9	3.7	5
30	Combinational Use of Phytochemicals and Chemotherapeutic Drugs Enhance Their Therapeutic Potential on Human Cervical Cancer Cells. <i>International Journal of Cancer Management</i> , <b>2019</b> , 12,	0.9	5
29	Green synthesis of Nd substituted Co-Ni nanospinel ferrites: a structural, magnetic, and antibacterial/anticancer investigation. <i>Journal Physics D: Applied Physics</i> , <b>2022</b> , 55, 055002	3	5
28	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. <i>International Journal of Nanomedicine</i> , <b>2021</b> , 16, 5633-5650	7.3	5
27	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. <i>Pharmaceutics</i> , <b>2021</b> , 14,	5.2	4
26	Ultrasonic Synthesis and Biomedical Application of MnZnErYFeO Nanoparticles. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	4
25	Structure, magnetoelectric, and anticancer activities of core-shell Co <sub>0.8</sub> Mn <sub>0.2</sub> R <sub>0.02</sub> Fe <sub>1.98</sub> O <sub>4</sub> @BaTiO <sub>3</sub> nanocomposites (R = Ce, Eu, Tb, Tm, or Gd). <i>Ceramics International</i> , <b>2022</b> ,	5.1	3
24	Emerging trends in the application of gold nanoformulations in colon cancer diagnosis and treatment. <i>Seminars in Cancer Biology</i> , <b>2021</b> ,	12.7	3
23	Formulation of gold nanoparticles with hibiscus and curcumin extracts induced anti-cancer activity. <i>Arabian Journal of Chemistry</i> , <b>2021</b> , 15, 103594	5.9	3
22	Biotechnology in Medical Sciences		3

21	Synthesis, Characterization, Anti-Cancer Analysis of SrBaDySmFeO (0.00 $\mu$ m) Microsphere Nanocomposites. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	3
20	Synthesis and in vitro anti-proliferative capabilities of steroidal thiazole and indole derivatives. <i>Journal of Saudi Chemical Society</i> , <b>2019</b> , 23, 775-780	4.3	2
19	Major Nano-based Products: Nanomedicine, Nanosensors, and Nanodiagnostics <b>2020</b> , 211-228		2
18	Spectrochemical Analysis Using LIBS and ICP-OES Techniques Of Herbal Medicine (Tinnevelly Senna Leaves) and Its Anti-cancerous/ Antibacterial Applications. <i>Arabian Journal of Chemistry</i> , <b>2021</b> , 14, 10345-10351	5.9	2
17	Newly synthesized 3-(4-chloro-phenyl)-3-hydroxy-2,2-dimethyl-propionic acid methyl ester derivatives selectively inhibit the proliferation of colon cancer cells.. <i>RSC Advances</i> , <b>2020</b> , 10, 8825-8841	3.7	1
16	Medical biotechnology <b>2018</b> , 355-419		1
15	Green synthesis, characterization and anti-cancer capability of Co <sub>0.5</sub> Ni <sub>0.5</sub> Nd <sub>0.02</sub> Fe <sub>1.98</sub> O <sub>4</sub> nanocomposites. <i>Arabian Journal of Chemistry</i> , <b>2022</b> , 15, 103564	5.9	1
14	Combinatorial Regimen of Carbamazepine and Imipramine Exhibits Synergism against Grandmal Epilepsy in Rats: Inhibition of Pro-Inflammatory Cytokines and PI3K/Akt/mTOR Signaling Pathway. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	1
13	Synthesis and Anti proliferative Activity of New N-Pentylquinoxaline carboxamides and Their O-Regioisomer. <i>ChemistrySelect</i> , <b>2020</b> , 5, 13439-13453	1.8	1
12	The synthesis and antiproliferative activity of new N-allyl quinoxalinecarboxamides and their O-regioisomers. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 831-849	3.6	1
11	Immunotherapy for Alzheimer's Disease: Current Scenario and Future Perspectives. <i>Journal of prevention of Alzheimer's disease, The</i> , <b>2021</b> , 8, 534-551	3.8	1
10	Synthesis and Cytotoxic Activity of Novel Metal Complexes Derived from Methyl-3-(4-chlorophenyl)-3-hydroxy-2,2-dimethylpropanoate as Potential CDK8 Kinase Inhibitors. <i>ACS Omega</i> , <b>2021</b> , 6, 5244-5254	3.9	1
9	Carbon Nano Tubes: Novel Drug Delivery System in Amelioration of Alzheimer's Disease. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2021</b> , 24, 1528-1543	1.3	1
8	Biological databases and tools for neurological disorders.. <i>Journal of Integrative Neuroscience</i> , <b>2022</b> , 21, 41	1.5	0
7	Emerging trends in the delivery of nanoformulated oxytocin across Blood-Brain barrier. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 609, 121141	6.5	0
6	Template-free preparation of iron oxide loaded hollow silica spheres and their anticancer proliferation capabilities.. <i>RSC Advances</i> , <b>2022</b> , 12, 6791-6802	3.7	0
5	Synthesis of 29H,31H-phthalocyanine and chloro (29H,31H-phthalocyaninato) aluminum derivatives showed anti-cancer and anti-bacterial actions. <i>Journal of Saudi Chemical Society</i> , <b>2022</b> , 26, 101436	4.3	
4	Microbial biotechnology <b>2018</b> , 178-220		

- 3 Stem Cells in Regenerative Medicine: Clinical Trials. *Pancreatic Islet Biology*, **2021**, 215-242 0.4
- 2 Types and Classification of Stem Cells. *Pancreatic Islet Biology*, **2021**, 25-49 0.4
- 1 Endocrine Pancreas and Glucose Metabolism **2022**, 247-285