

# Muhammad Asif Hanif

## List of Publications by Year in descending order

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89  
papers

3,121  
citations

218677

26  
h-index

168389

53  
g-index

92  
all docs

92  
docs citations

92  
times ranked

3400  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodiesel production from waste tallow. <i>Fuel</i> , 2008, 87, 2961-2966.	6.4	309
2	Ni(II) biosorption by <i>Cassia fistula</i> (Golden Shower) biomass. <i>Journal of Hazardous Materials</i> , 2007, 139, 345-355.	12.4	210
3	Biosorption of nickel from protonated rice bran. <i>Journal of Hazardous Materials</i> , 2007, 143, 478-485.	12.4	209
4	Kinetic and thermodynamic aspects of Cu(II) and Cr(III) removal from aqueous solutions using rose waste biomass. <i>Journal of Hazardous Materials</i> , 2009, 161, 941-947.	12.4	159
5	Removal of Zn(II) ions from aqueous solution using <i>Moringa oleifera</i> Lam. (horseradish tree) biomass. <i>Process Biochemistry</i> , 2007, 42, 547-553.	3.7	114
6	Biosynthesis of essential oils in aromatic plants: A review. <i>Food Reviews International</i> , 2016, 32, 117-160.	8.4	114
7	Dynamic biosorption of Zn(II) and Cu(II) using pretreated <i>Rosa gruss an teplitz</i> (red rose) distillation sludge. <i>Chemical Engineering Journal</i> , 2009, 148, 434-443.	12.7	108
8	Efficacy of modified distillation sludge of rose ( <i>Rosa centifolia</i> ) petals for lead(II) and zinc(II) removal from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2007, 147, 1006-1014.	12.4	103
9	Supported solid and heteropoly acid catalysts for production of biodiesel. <i>Catalysis Reviews - Science and Engineering</i> , 2017, 59, 165-188.	12.9	97
10	Kinetic and Equilibrium Modeling for Cr(III) and Cr(VI) Removal from Aqueous Solutions by <i>Citrus reticulata</i> Waste Biomass. <i>Water, Air, and Soil Pollution</i> , 2008, 191, 305-318.	2.4	95
11	Pb(II) biosorption from hazardous aqueous streams using <i>Gossypium hirsutum</i> (Cotton) waste biomass. <i>Journal of Hazardous Materials</i> , 2009, 161, 88-94.	12.4	92
12	Physical and chemical modification of distillery sludge for Pb(II) biosorption. <i>Journal of Hazardous Materials</i> , 2008, 150, 335-342.	12.4	87
13	A review of advances in engineered composite materials popular for wastewater treatment. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104073.	6.7	87
14	Production of biodiesel from low priced, renewable and abundant date seed oil. <i>Renewable Energy</i> , 2016, 86, 124-132.	8.9	85
15	Kinetic and Equilibrium Modeling of Pb(II) and Co(II) Sorption onto Rose Waste Biomass. <i>Separation Science and Technology</i> , 2007, 42, 3641-3656.	2.5	68
16	Efficacy of <i>Daucus carota</i> L. waste biomass for the removal of chromium from aqueous solutions. <i>Desalination</i> , 2010, 253, 78-87.	8.2	68
17	Kinetic studies for Ni(II) biosorption from industrial wastewater by <i>Cassia fistula</i> (Golden Shower) biomass. <i>Journal of Hazardous Materials</i> , 2007, 145, 501-505.	12.4	61
18	Removal and recovery of Cu(II) and Zn(II) using immobilized <i>Mentha arvensis</i> distillation waste biomass. <i>Ecological Engineering</i> , 2009, 35, 1427-1434.	3.6	60

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19	Surface Enhanced Raman Spectroscopy of the serum samples for the diagnosis of Hepatitis C and prediction of the viral loads. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 242, 118729.	3.9	56
20	Removal of lead and cobalt using lignocellulosic fiber derived from <i>Citrus reticulata</i> waste biomass. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 218-227.	2.7	53
21	Raman spectral analysis for rapid screening of dengue infection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 200, 136-142.	3.9	53
22	Optimized production and advanced assessment of biodiesel: A review. <i>International Journal of Energy Research</i> , 2018, 42, 2070-2083.	4.5	49
23	Evaluation of the effects of Zinc on the chemical composition and biological activity of basil essential oil by using Raman spectroscopy. <i>Industrial Crops and Products</i> , 2017, 96, 91-101.	5.2	36
24	Biological activity of <i>Boswellia serrata</i> Roxb. oleo gum resin essential oil: effects of extraction by supercritical carbon dioxide and traditional methods. <i>International Journal of Food Properties</i> , 2018, 21, 808-820.	3.0	34
25	Single-Pot Synthesis of Biodiesel using Efficient Sulfonated-Derived Tea Waste-Heterogeneous Catalyst. <i>Materials</i> , 2019, 12, 2293.	2.9	33
26	Removal of Cu(II) and Zn(II) Using Lignocellulosic Fiber Derived from <i>Citrus reticulata</i> (Kinnow) Waste Biomass. <i>Separation Science and Technology</i> , 2009, 44, 4000-4022.	2.5	31
27	KINETIC AND EQUILIBRIUM STUDIES OF CR(III) AND CR(VI) SORPTION FROM AQUEOUS SOLUTION USING ROSA GRUSS AN TEPLITZ (RED ROSE) WASTE BIOMASS. <i>Journal of the Chilean Chemical Society</i> , 2008, 53, .	1.2	28
28	Trends in Widely Used Catalysts for Fatty Acid Methyl Esters (FAME) Production: A Review. <i>Catalysts</i> , 2021, 11, 1085.	3.5	28
29	Chemical composition and biological activities of essential oil and extracts from <i>Ocimum sanctum</i> . <i>International Journal of Food Properties</i> , 2017, 20, 1569-1581.	3.0	26
30	Impact of Supercritical Fluid Extraction and Traditional Distillation on the Isolation of Aromatic Compounds from <i>Cannabis indica</i> and <i>Cannabis sativa</i> . <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2017, 20, 175-184.	1.9	25
31	Antioxidant and Antipathogenic Activities of Citrus Peel Oils. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2012, 15, 972-979.	1.9	24
32	Potential of NaOH pretreated <i>Mangifera indica</i> waste biomass for the mitigation of Ni(II) and Co(II) from aqueous solutions. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 967-972.	5.3	24
33	Bioanalytical evaluation of <i>Cinnamomum zeylanicum</i> essential oil. <i>Natural Product Research</i> , 2015, 29, 1857-1859.	1.8	24
34	Bioaccumulation of cobalt in silkworm ( <i>Bombyx mori</i> L.) in relation to mulberry, soil and wastewater metal concentrations. <i>Process Biochemistry</i> , 2009, 44, 1179-1184.	3.7	23
35	Remediation of heavy metals using easily cultivable, fast growing, and highly accumulating white rot fungi from hazardous aqueous streams. <i>Desalination and Water Treatment</i> , 2015, 53, 238-248.	1.0	23
36	Variation in Phenolic Profile, $\beta$ -Carotene and Flavonoid Contents, Biological Activities of Two <i>Tagetes</i> Species from Pakistani Flora. <i>Chemistry and Biodiversity</i> , 2017, 14, e1600463.	2.1	23

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37	Assessing Pollution Levels in Effluents of Industries in City Zone of Faisalabad, Pakistan. <i>Journal of Applied Sciences</i> , 2005, 5, 1713-1717.	0.3	23
38	Removal of zirconium from aqueous solution by <i>Ganoderma lucidum</i> : biosorption and bioremediation studies. <i>Desalination and Water Treatment</i> , 2015, 53, 195-205.	1.0	20
39	Green extraction of ethnomedicinal compounds from <i>Cymbopogon citratus</i> Stapf using hydrogen-bonded supramolecular network. <i>Separation Science and Technology</i> , 2021, 56, 1520-1533.	2.5	19
40	Essential Oil from <i>Ocimum basilicum</i> (Omani Basil): A Desert Crop. <i>Natural Product Communications</i> , 2011, 6, 1934578X1100601.	0.5	18
41	Purification and Thermal Characterization of a Novel Peroxidase from a Local Chick Pea Cultivar. <i>Protein and Peptide Letters</i> , 2006, 13, 799-804.	0.9	16
42	Biosorption of Cu(II) ions from aqueous effluents by blackgram bran (BGB). <i>Journal of Hazardous Materials</i> , 2009, 168, 1622-1625.	12.4	16
43	Immobilization of Rose Waste Biomass for Uptake of Pb(II) from Aqueous Solutions. <i>Biotechnology Research International</i> , 2011, 2011, 1-9.	1.4	16
44	Raman spectroscopy for the characterization of different fractions of hemp essential oil extracted at 130 Å°C using steam distillation method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 182, 168-174.	3.9	16
45	Utilization of <i>Mentha arvensis</i> waste biomass for the removal of Pb(II) and Co(II) from aqueous solutions. <i>Desalination and Water Treatment</i> , 2013, 51, 3335-3343.	1.0	14
46	Novel mutant camelina and jatropha as valuable feedstocks for biodiesel production. <i>Scientific Reports</i> , 2020, 10, 21868.	3.3	14
47	Increased sodium and fluctuations in minerals in acid limes expressing witches' broom symptoms. <i>SpringerPlus</i> , 2016, 5, 418.	1.2	12
48	Ultrasound-assisted deep eutectic solvent-based extraction of phytochemicals from <i>Mentha arvensis</i> : optimization using Box-Behnken design. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 35-45.	4.6	12
49	Enhanced Removal of Golden XGL Dye by Clay Composites: Batch and Column Studies. <i>Polish Journal of Environmental Studies</i> , 2017, 26, 2113-2123.	1.2	12
50	The role of hydrogen bonding in $\pi$ - $\pi$ stacking interactions in Ni(II) complex derived from triethanolamine: synthesis, crystal structure, antimicrobial, and DFT studies. <i>Research on Chemical Intermediates</i> , 2019, 45, 5649-5664.	2.7	11
51	Chemical characterisation of bioactive compounds in <i>Medicago sativa</i> growing in the desert of Oman. <i>Natural Product Research</i> , 2015, 29, 2332-2335.	1.8	10
52	Biodiesel synthesis from <i>Brassica napus</i> seed oil using statistical optimization approach. <i>Journal of Renewable and Sustainable Energy</i> , 2017, 9, 013103.	2.0	10
53	Enhanced Removal of Cu(II) and Pb(II) from Aqueous Solutions by Pretreated Biomass of <i>Fusarium Solani</i> . <i>Journal of the Chinese Chemical Society</i> , 2008, 55, 1235-1242.	1.4	9
54	Raman spectroscopy for the evaluation of the effects of different concentrations of Copper on the chemical composition and biological activity of basil essential oil. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 185, 130-138.	3.9	9

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55	A Novel Route of Mixed Catalysis for Production of Fatty Acid Methyl Esters from Potential Seed Oil Sources. <i>Catalysts</i> , 2021, 11, 811.	3.5	9
56	Use of <i>Morus alba</i> " <i>Bombyx mori</i> " as a Useful Template to Assess Pb Entrance in the Food Chain From Wastewater. <i>Environmental Entomology</i> , 2009, 38, 1276-1282.	1.4	8
57	Effect of Micronutrients on Vegetative Growth and Essential Oil Contents of <i>Ocimum sanctum</i> . <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2016, 19, 980-988.	1.9	8
58	Litchi chinensis peel biomass as green adsorbent for cadmium (Cd) ions removal from aqueous solutions. , 0, 173, 343-350.		8
59	Chemical composition and antimicrobial activity of <i>Boswellia serrata</i> oleo-gum-resin essential oil extracted by superheated steam. <i>Natural Product Research</i> , 2023, 37, 2451-2456.	1.8	8
60	Phytochemicals: Key to Effective Anticancer Drugs. <i>Mini-Reviews in Organic Chemistry</i> , 2019, 16, 141-158.	1.3	7
61	Iron (III) complex exhibiting efficient catechol oxidase activity: Experimental, kinetic and theoretical approach. <i>Journal of Molecular Structure</i> , 2022, 1252, 131685.	3.6	7
62	Reporting effective extraction methodology and chemical characterization of bioactive components of under explored <i>Platyclusus orientalis</i> (L) Franco from semi-arid climate. <i>Natural Product Research</i> , 2019, 33, 1237-1242.	1.8	6
63	Significant Seed Oil Feedstocks for Renewable Production of Biodiesel: A Review. <i>Current Organic Chemistry</i> , 2019, 23, 1509-1516.	1.6	6
64	Efficient Adsorption of Lead Ions from Synthetic Wastewater Using Agrowaste-Based Mixed Biomass (Potato Peels and Banana Peels). <i>Water (Switzerland)</i> , 2021, 13, 3344.	2.7	6
65	The production of biodiesel from plum waste oil using nano-structured catalyst loaded into supports. <i>Scientific Reports</i> , 2021, 11, 24120.	3.3	6
66	Photocatalytic Activity of Al <sub>2</sub> O <sub>3</sub> .Fe <sub>2</sub> O <sub>3</sub> Synthesized by Ultrasonic-Assisted Mechanical Stirring. <i>Polish Journal of Environmental Studies</i> , 2017, 26, 2777-2783.	1.2	5
67	A Novel Combined Treatment Process of Hybrid Biosorbent "Nanofiltration for Effective Pb(II) Removal from Wastewater. <i>Water (Switzerland)</i> , 2021, 13, 3316.	2.7	5
68	Production of Biodiesel from <i>Spirogyra elongata</i> , a Common Freshwater Green Algae with High Oil Content. <i>Sustainability</i> , 2021, 13, 12737.	3.2	5
69	Improved Spectrophotometric Method for Fast and Accurate Quantitative Determination of Menthol in Essential Oils. <i>Food Analytical Methods</i> , 2022, 15, 1575-1580.	2.6	5
70	Production and Evaluation of Fractionated Tamarind Seed Oil Methyl Esters as a New Source of Biodiesel. <i>Energies</i> , 2021, 14, 7148.	3.1	4
71	A Novel Heterogeneous Superoxide Support-Coated Catalyst for Production of Biodiesel from Roasted and Unroasted <i>Sinapis arvensis</i> Seed Oil. <i>Catalysts</i> , 2021, 11, 1421.	3.5	4
72	Low-cost novel nano-constructed granite composites for removal of hazardous Terasil dye from wastewater. <i>Environmental Science and Pollution Research</i> , 2023, 30, 81333-81351.	5.3	4

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73	Analytical Evaluation of Three Wild Growing Omani Medicinal Plants. Natural Product Communications, 2011, 6, 1934578X1100601.	0.5	3
74	Kinetic and Equilibrium Modeling of Lead(II) Sorption onto Chemically Pretreated Gossypium hirsutum (Cotton) Leaves Waste Biomass. Asian Journal of Chemistry, 2013, 25, 1111-1116.	0.3	3
75	Remediation of Pb(II) using <i>Pleurotus sajor-caju</i> isolated from metal-contaminated site. Desalination and Water Treatment, 2015, 56, 2532-2542.	1.0	3
76	High Vacuum Fractional Distillation (HVFD) Approach for Quality and Performance Improvement of <i>Azadirachta indica</i> Biodiesel. Energies, 2020, 13, 2858.	3.1	3
77	Determination of Metabolite of Aspirin (Salicylic Acid) by Colorimetric Method in Human Urine. Pakistan Journal of Biological Sciences, 2006, 9, 1004-1008.	0.5	3
78	Chemical Report on Wild Growing <i>Mentha arvensis</i> and <i>Citrullus colocynthus</i> from Oman. Journal of Essential Oil-bearing Plants: JEOP, 2016, 19, 719-726.	1.9	2
79	Reclamation of wastewater containing Cu(II) using alginate <i>Mentha spicata</i> biomass. Desalination and Water Treatment, 2016, 57, 10700-10709.	1.0	2
80	<i>Araucaria heterophylla</i> resin-coated magnetic nanosorbent: a greener approach for the abatement of Mesotrione and Metsulfuron methyl herbicides. International Journal of Environmental Analytical Chemistry, 2020, , 1-13.	3.3	2
81	Utilization of Extensively Available Environmental Waste <i>Mentha spicata</i> for Uptake of Pb(II) from Aqueous Solutions. Asian Journal of Chemistry, 2013, 25, 4551-4555.	0.3	1
82	Utilization of immobilized distillation sludges for bioremoval of Pb(II) and Zn(II) from hazardous aqueous streams. Desalination and Water Treatment, 2015, 55, 163-172.	1.0	1
83	Synthesis and Photocatalytic Efficiency of Sunlight Driven Novel Ternary Metal Oxide Nanophotocatalyst. Asian Journal of Chemistry, 2015, 27, 1189-1193.	0.3	1
84	Analytical evaluation of three wild growing Omani medicinal plants. Natural Product Communications, 2011, 6, 1451-4.	0.5	1
85	Enzymatic glycosylation of menthol: optimization of synthesis and extraction processes using response surface methodology and biological evaluation of synthesized product. Chemical Papers, 0, , 1.	2.2	1
86	Characteristics of Selected Silphium Species as Alternative Plants for Cultivation and Industry with Particular Emphasis on Research Conducted in Poland: A Review. Sustainability, 2022, 14, 5092.	3.2	1
87	10.2478/s11814-009-0325-1. , 2011, 27, 218.		0
88	Seasonal Variation, Fractional Isolation and Nanoencapsulation of Antioxidant Compounds of Indian Blackberry ( <i>Syzygium cumini</i> ). Antioxidants, 2021, 10, 1900.	5.1	0
89	Cytotoxic, $\alpha$ -amylase inhibitory and thrombolytic activities of organic and aqueous extracts of <i>Bacillus clausii</i> KP10. Pakistan Journal of Pharmaceutical Sciences, 2020, 33, 135-139.	0.2	0