

# S A Mohamed

## List of Publications by Year in descending order

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94  
papers

2,490  
citations

136885

32  
h-index

265120

42  
g-index

96  
all docs

96  
docs citations

96  
times ranked

2765  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immobilization of horseradish peroxidase on Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles. <i>Electronic Journal of Biotechnology</i> , 2017, 27, 84-90.	1.2	108
2	Effect of atorvastatin on the gut microbiota of high fat diet-induced hypercholesterolemic rats. <i>Scientific Reports</i> , 2018, 8, 662.	1.6	82
3	Antioxidant capacity, antioxidant compounds and antioxidant enzyme activities in five date cultivars during development and ripening. <i>Scientia Horticulturae</i> , 2011, 129, 688-693.	1.7	69
4	Solid fermentation of wheat bran for hydrolytic enzymes production and saccharification content by a local isolate <i>Bacillus megatherium</i> . <i>BMC Biotechnology</i> , 2014, 14, 29.	1.7	61
5	Nanoparticles in nanomedicine: a comprehensive updated review on current status, challenges and emerging opportunities. <i>Journal of Microencapsulation</i> , 2021, 38, 414-436.	1.2	58
6	Postharvest gum Arabic and salicylic acid dipping affect quality and biochemical changes of "Grand Nain"™ bananas during shelf life. <i>Scientia Horticulturae</i> , 2018, 237, 51-58.	1.7	55
7	Amidrazone modified acrylic fabric activated with cyanuric chloride: A novel and efficient support for horseradish peroxidase immobilization and phenol removal. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 949-958.	3.6	55
8	Date palm and saw palmetto seeds functional properties: antioxidant, anti-inflammatory and antimicrobial activities. <i>Journal of Food Measurement and Characterization</i> , 2020, 14, 1064-1072.	1.6	53
9	Horseradish peroxidase and chitosan: Activation, immobilization and comparative results. <i>International Journal of Biological Macromolecules</i> , 2013, 60, 295-300.	3.6	50
10	Antioxidant capacity of chewing stick miswak <i>Salvadora persica</i> . <i>BMC Complementary and Alternative Medicine</i> , 2013, 13, 40.	3.7	46
11	Immobilization of horseradish peroxidase on PMMA nanofibers incorporated with nanodiamond. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 973-981.	1.9	46
12	<i>Ficus carica</i> , <i>Ficus sycomorus</i> and <i>Euphorbia tirucalli</i> latex extracts: Phytochemical screening, antioxidant and cytotoxic properties. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 20, 101199.	1.5	45
13	Solid state production of polygalacturonase and xylanase by <i>Trichoderma</i> species using cantaloupe and watermelon rinds. <i>Journal of Microbiology</i> , 2013, 51, 605-611.	1.3	44
14	Synthesis of nanocomposites of polypyrrole/carbon nanotubes/silver nano particles and their application in water disinfection. <i>RSC Advances</i> , 2017, 7, 16878-16884.	1.7	44
15	Immobilization of horseradish peroxidase on amidoximated acrylic polymer activated by cyanuric chloride. <i>International Journal of Biological Macromolecules</i> , 2016, 91, 663-670.	3.6	43
16	Immobilisation of α-amylase on activated amidrazone acrylic fabric: a new approach for the enhancement of enzyme stability and reusability. <i>Scientific Reports</i> , 2019, 9, 12672.	1.6	43
17	Biochemical characterization of an extracellular polygalacturonase from <i>Trichoderma harzianum</i> . <i>Journal of Biotechnology</i> , 2006, 127, 54-64.	1.9	42
18	Total phenolic and flavonoid contents and antioxidant activities of sixteen commercial date cultivars grown in Saudi Arabia. <i>RSC Advances</i> , 2016, 6, 44814-44819.	1.7	42

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19	New polygalacturonases from <i>Trichoderma reesei</i> : characterization and their specificities to partially methylated and acetylated pectins. <i>Carbohydrate Research</i> , 2003, 338, 515-524.	1.1	41
20	Immobilization of Horseradish Peroxidase on Nonwoven Polyester Fabric Coated with Chitosan. <i>Applied Biochemistry and Biotechnology</i> , 2008, 144, 169-179.	1.4	41
21	Phenolic-antioxidant capacity of mango seed kernels: therapeutic effect against viper venoms. <i>Revista Brasileira De Farmacognosia</i> , 2018, 28, 594-601.	0.6	41
22	Upgrading the phenolic content, antioxidant and antimicrobial activities of garden cress seeds using solid state fermentation by <i>Trichoderma reesei</i> . <i>Journal of Applied Microbiology</i> , 2019, 127, 1454-1467.	1.4	41
23	Immobilization of horseradish peroxidase on activated wool. <i>Process Biochemistry</i> , 2013, 48, 649-655.	1.8	39
24	Immobilization of <i>Trichoderma harzianum</i> Î±-Amylase on Treated Wool: Optimization and Characterization. <i>Molecules</i> , 2014, 19, 8027-8038.	1.7	39
25	Antioxidant activity, antioxidant compounds, antioxidant and hydrolytic enzymes activities of "Barhee"™ dates at harvest and during storage as affected by pre-harvest spray of some growth regulators. <i>Scientia Horticulturae</i> , 2014, 167, 91-99.	1.7	39
26	Saccharification and hydrolytic enzyme production of alkali pre-treated wheat bran by <i>Trichoderma virens</i> under solid state fermentation. <i>BMC Biotechnology</i> , 2015, 15, 37.	1.7	39
27	Impact of germination on antioxidant capacity of garden cress: New calculation for determination of total antioxidant activity. <i>Scientia Horticulturae</i> , 2019, 246, 155-160.	1.7	39
28	Properties of a Cationic Peroxidase from <i>Citrus jambhiri</i> cv. Adalia. <i>Applied Biochemistry and Biotechnology</i> , 2008, 150, 127-137.	1.4	38
29	Immobilization of <i>Trichoderma harzianum</i> Î±-amylase on PPyAgNp/Fe <sub>3</sub> O <sub>4</sub> -nanocomposite: chemical and physical properties. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 201-206.	1.9	38
30	Quality, antioxidant compounds, antioxidant capacity and enzymes activity of "El-Bayadi"™ table grapes at harvest as affected by preharvest salicylic acid and gibberellic acid spray. <i>Scientia Horticulturae</i> , 2017, 220, 243-249.	1.7	37
31	Egyptian chia seeds ( <i>Salvia hispanica</i> L.) during germination: Upgrading of phenolic profile, antioxidant, antibacterial properties and relevant enzymes activities. <i>Food Science and Biotechnology</i> , 2021, 30, 723-734.	1.2	36
32	Characterisation of an anionic peroxidase from horseradish cv. Balady. <i>Food Chemistry</i> , 2011, 128, 725-730.	4.2	35
33	Distribution of lipases in the Gramineae. Partial purification and characterization of esterase from <i>Avena fatua</i> . <i>Bioresource Technology</i> , 2000, 73, 227-234.	4.8	34
34	Characterization of a cysteine protease from wheat <i>Triticum aestivum</i> (cv. Giza 164). <i>Bioresource Technology</i> , 2004, 91, 297-304.	4.8	34
35	Optimization of nano spray drying parameters for production of Î±-amylase nanopowder for biotherapeutic applications using factorial design. <i>Drying Technology</i> , 2019, 37, 2152-2160.	1.7	34
36	Immobilization of horseradish peroxidase on cationic microporous starch: Physico-bio-chemical characterization and removal of phenolic compounds. <i>International Journal of Biological Macromolecules</i> , 2021, 181, 734-742.	3.6	34

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37	Biochemical Changes in Fruit of an Early and a Late Date Palm Cultivar During Development and Ripening. <i>International Journal of Fruit Science</i> , 2011, 11, 167-183.	1.2	33
38	Postharvest chitosan, gallic acid and chitosan gallate treatments effects on shelf life quality, antioxidant compounds, free radical scavenging capacity and enzymes activities of "Sukkari"™ bananas. <i>Journal of Food Science and Technology</i> , 2017, 54, 447-457.	1.4	31
39	Efficient water disinfection using hybrid polyaniline/graphene/carbon nanotube nanocomposites. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 2813-2824.	1.2	31
40	Development of novel flexible sugar ester vesicles as carrier systems for the antioxidant enzyme catalase for wound healing applications. <i>Process Biochemistry</i> , 2012, 47, 1155-1162.	1.8	30
41	Solid-state fermentation by <i>Trichoderma viride</i> for enhancing phenolic content, antioxidant and antimicrobial activities in ginger. <i>Letters in Applied Microbiology</i> , 2018, 67, 161-167.	1.0	30
42	Characterization of esterases from <i>Cucurbita pepo</i> cv. "Eskandari". <i>Bioresource Technology</i> , 2008, 99, 437-443.	4.8	27
43	Characterization of <i>Mucor racemosus</i> lipase with potential application for the treatment of cellulite. <i>Process Biochemistry</i> , 2011, 46, 642-648.	1.8	25
44	Visible light photocatalytic disintegration of waste activated sludge for enhancing biogas production. <i>Journal of Environmental Management</i> , 2018, 216, 120-127.	3.8	25
45	Diabetic complications and oxidative stress: The role of phenolic-rich extracts of saw palmetto and date palm seeds. <i>Journal of Food Biochemistry</i> , 2020, 44, e13416.	1.2	25
46	Changes of antioxidant capacity and oxidoreductases of Saudi date cultivars ( <i>Phoenix dactylifera</i> L.) during storage. <i>Scientia Horticulturae</i> , 2014, 170, 275-280.	1.7	24
47	Characterization of native fungi responsible for degrading crude oil from the coastal area of Yanbu, Saudi Arabia. <i>Biotechnology and Biotechnological Equipment</i> , 2017, 31, 105-111.	0.5	24
48	Urea cycle of <i>Fasciola gigantica</i> : Purification and characterization of arginase. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005, 142, 308-316.	0.7	22
49	Postharvest trans-resveratrol and glycine betaine treatments affect quality, antioxidant capacity, antioxidant compounds and enzymes activities of "El-Bayadi"™ table grapes after storage and shelf life. <i>Scientia Horticulturae</i> , 2015, 197, 350-356.	1.7	22
50	Comparison of the potential of <i>Ficus sycomorus</i> latex and horseradish peroxidases in the decolorization of synthetic and natural dyes. <i>Journal of Genetic Engineering and Biotechnology</i> , 2013, 11, 95-102.	1.5	21
51	Purification and Characterization of Asparaginase from <i>Phaseolus vulgaris</i> Seeds. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-6.	0.5	21
52	Chemical modification of curcumin: Solubility and antioxidant capacity. <i>International Journal of Food Properties</i> , 2017, 20, 718-724.	1.3	21
53	Biochemical Properties of $\alpha$ -Amylase from Peel of <i>Citrus sinensis</i> cv. Abosora. <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 2054-2065.	1.4	19
54	Proteases in egg, miracidium and adult of <i>Fasciola gigantica</i> . Characterization of serine and cysteine proteases from adult. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005, 142, 192-200.	0.7	18

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55	Development of novel delivery system for nanoencapsulation of catalase: formulation, characterization, and <i>in vivo</i> evaluation using oxidative skin injury model. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 362-371.	1.9	18
56	The tiny big world of solid lipid nanoparticles and nanostructured lipid carriers: an updated review. <i>Journal of Microencapsulation</i> , 2022, 39, 72-94.	1.2	18
57	Characterization of two thermostable inulinases from <i>Rhizopus oligosporus</i> NRRL 2710. <i>Journal of Genetic Engineering and Biotechnology</i> , 2015, 13, 65-69.	1.5	17
58	Isolation and identification of bacterial consortia responsible for degrading oil spills from the coastal area of Yanbu, Saudi Arabia. <i>Biotechnology and Biotechnological Equipment</i> , 2016, 30, 69-74.	0.5	17
59	Investigation of antioxidant and detoxifying capacities of some date cultivars ( <i>Phoenix dactylifera</i> L.) irrigated with sewage water. <i>RSC Advances</i> , 2017, 7, 12953-12958.	1.7	17
60	Valorization of biogas production through disintegration of waste activated sludge using visible light ZnO-ZnS/Ag <sub>2</sub> O-Ag <sub>2</sub> S photocatalyst. <i>Chemical Engineering Research and Design</i> , 2018, 119, 330-339.	2.7	17
61	Antioxidant-biocompatible and stable catalase-based gelatin-alginate hydrogel scaffold with thermal wound healing capability: immobilization and delivery approach. <i>3 Biotech</i> , 2022, 12, 73.	1.1	15
62	Influence of solid state fermentation by <i>Trichoderma</i> spp. on solubility, phenolic content, antioxidant, and antimicrobial activities of commercial turmeric. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 920-928.	0.6	14
63	Postharvest chitosan, trans-resveratrol and glycine betaine dipping affect quality, antioxidant compounds, free radical scavenging capacity and enzymes activities of 'Sukkari' bananas during shelf life. <i>Scientia Horticulturae</i> , 2017, 219, 173-181.	1.7	14
64	Quality and biochemical changes of 'Hindi-Besennara' mangoes during shelf life as affected by chitosan, gallic acid and chitosan gallate. <i>Journal of Food Science and Technology</i> , 2017, 54, 4139-4148.	1.4	14
65	Biotechnology approach using watermelon rind for optimization of $\alpha$ -amylase enzyme production from <i>Trichoderma virens</i> using response surface methodology under solid-state fermentation. <i>Folia Microbiologica</i> , 2022, 67, 253-264.	1.1	14
66	Characterization of an Exopolygalacturonase from <i>Aspergillus niger</i> . <i>Applied Biochemistry and Biotechnology</i> , 2008, 149, 205-217.	1.4	12
67	L-Asparaginase Isolated from <i>Phaseolus vulgaris</i> Seeds Exhibited Potent Anti-Acute Lymphoblastic Leukemia Effects In-Vitro and Low Immunogenic Properties In-Vivo. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 1008.	1.2	12
68	Carbohydrases in camel ( <i>Camelus dromedarius</i> ) pancreas. Purification and characterization of glucoamylase. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005, 140, 73-80.	0.7	11
69	Purification and characterization of $\alpha$ -Amylase from Miswak <i>Salvadora persica</i> . <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 119.	3.7	11
70	Engineering Lipase Enzyme Nano-powder Using Nano Spray Dryer B&CCHI B-90: Experimental and Factorial Design Approach for a Stable Biocatalyst Production. <i>Journal of Pharmaceutical Innovation</i> , 2021, 16, 759-771.	1.1	11
71	Synthesis of hemicyanine-based chitosan ligands in dye-affinity chromatography for the purification of chewing stick peroxidase. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 401-414.	3.6	11
72	Purification and characterization of peroxidases from garden cress sprouts and their roles in lignification and removal of phenol and <i>p</i> -chlorophenol. <i>Journal of Food Biochemistry</i> , 2021, 45, e13526.	1.2	11

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73	Ficus sycomorus latex: An efficient alternative Egyptian source for horseradish peroxidase in labeling with antibodies for immunodiagnostic kits. <i>Veterinary World</i> , 2018, 11, 1364-1370.	0.7	11
74	Purification and characterization of cationic peroxidase from ginger ( <i>Zingiber officinale</i> ). <i>Bulletin of the National Research Centre</i> , 2020, 44, .	0.7	10
75	Purification of urease from water melon seeds for clinical diagnostic kits. <i>Bioresource Technology</i> , 1999, 68, 215-223.	4.8	9
76	Immobilization of Camel Liver Catalase on Nanosilver-Coated Cotton Fabric. <i>Catalysts</i> , 2021, 11, 900.	1.6	9
77	Improvement of enzymatic properties and decolorization of azo dye: immobilization of horseradish peroxidase on cationic maize starch. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 38, 102208.	1.5	9
78	Improved production of antioxidant-phenolic compounds and certain fungal phenolic-associated enzymes under solid-state fermentation of chia seeds with <i>Trichoderma reesei</i> : response surface methodology-based optimization. <i>Journal of Food Measurement and Characterization</i> , 2022, 16, 3488-3500.	1.6	9
79	Î±-Amylase from developing embryos of the camel tick <i>Hyalomma dromedarii</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2000, 126, 99-108.	0.7	7
80	Heavy Metal Accumulation is Associated with Molecular and Pathological Perturbations in Liver of <i>Variola louti</i> from the Jeddah Coast of Red Sea. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 342.	1.2	7
81	Enzymes of $\gamma$ -1-Pyrroline-5-Carboxylate Metabolism in the Camel Tick <i>Hyalomma dromedarii</i> During Embryogenesis. Purification and Characterization of $\gamma$ -1-Pyrroline-5-Carboxylate Dehydrogenases. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1997, 118, 229-237.	0.7	6
82	Developmental changes in phenolic compounds, antioxidant capacity and enzymes activity in skin of <i>El-Bayadi</i> ™ table grapes. <i>Scientia Horticulturae</i> , 2017, 224, 219-225.	1.7	6
83	Impact of solid state fermentation by <i>Trichoderma</i> spp. on phenolic content, antioxidant and antibacterial activities of curry leaf powder. <i>Journal of Food Measurement and Characterization</i> , 2019, 13, 1333-1340.	1.6	6
84	Esterase and lipase in camel tick <i>Hyalomma dromedarii</i> (Acari: Ixodidae) during embryogenesis. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2004, 137, 159-168.	0.7	5
85	<i>Fasciola gigantica</i> : Enzymes of the ornithine- $\alpha$ -proline- $\alpha$ -glutamate pathway-Characterization of $\gamma$ -1-pyrroline-5-carboxylate dehydrogenase. <i>Experimental Parasitology</i> , 2008, 118, 47-53.	0.5	5
86	Hyaluronidase isoforms from developing embryos of the camel tick <i>Hyalomma dromedarii</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005, 142, 164-171.	0.7	4
87	Disaccharidase activities in camel small intestine: Biochemical investigations of maltase- $\alpha$ -glucoamylase activity. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2007, 146, 124-130.	0.7	4
88	Purification and characterization of deoxyribonuclease from small intestine of camel <i>Camelus dromedarius</i> . <i>Journal of Genetic Engineering and Biotechnology</i> , 2017, 15, 463-467.	1.5	4
89	A hemorrhagic metalloprotease of Egyptian <i>Cerastes vipera</i> venom: Biochemical and immunological properties. <i>International Journal of Biological Macromolecules</i> , 2019, 130, 695-704.	3.6	4
90	Ficus sycomorus latex: A thermostable peroxidase. <i>African Journal of Biotechnology</i> , 2011, 10, .	0.3	4

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91	Properties of peroxidase from chewing stick miswak. African Journal of Pharmacy and Pharmacology, 2012, 6, .	0.2	2
92	Purification and characterization of proline-rich proteins from developing embryos of the camel tick <i>Hyalomma dromedarii</i> . Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1998, 121, 279-290.	0.7	0
93	The role of bacterial symbionts in suppressing the defence reaction in larval hemolymph of the cotton leafworm <i>Spodoptera littoralis</i> (Biosd.). Archives of Phytopathology and Plant Protection, 2007, 40, 423-430.	0.6	0
94	Partial purification and characterization of xylanases from <i>Aspergillus awamori</i> and <i>Aspergillus phoenicis</i> . African Journal of Microbiology Research, 2012, 6, .	0.4	0