

Patricia Maria Guedes Paiva

List of Publications by Year in descending order

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186
papers

4,451
citations

94381

37
h-index

168321

53
g-index

188
all docs

188
docs citations

188
times ranked

3514
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of <i>Moringa oleifera</i> lectin on development and mortality of <i>Aedes aegypti</i> larvae. <i>Chemosphere</i> , 2009, 77, 934-938.	4.2	133
2	Lectins, Interconnecting Proteins with Biotechnological/Pharmacological and Therapeutic Applications. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-22.	0.5	122
3	Alkaline proteinase from intestine of Nile tilapia (<i>Oreochromis niloticus</i>). <i>Process Biochemistry</i> , 2005, 40, 1829-1834.	1.8	120
4	Coagulant and antibacterial activities of the water-soluble seed lectin from <i>Moringa oleifera</i> . <i>Letters in Applied Microbiology</i> , 2011, 53, 186-192.	1.0	103
5	Isolation of a seed coagulant <i>Moringa oleifera</i> lectin. <i>Process Biochemistry</i> , 2009, 44, 504-508.	1.8	99
6	Effect of <i>Moringa oleifera</i> lectins on survival and enzyme activities of <i>Aedes aegypti</i> larvae susceptible and resistant to organophosphate. <i>Parasitology Research</i> , 2014, 113, 175-184.	0.6	80
7	Effect of <i>Myracrodruon urundeuva</i> leaf lectin on survival and digestive enzymes of <i>Aedes aegypti</i> larvae. <i>Parasitology Research</i> , 2012, 110, 609-616.	0.6	79
8	Evaluation of seed coagulant <i>Moringa oleifera</i> lectin (cMoL) as a bioinsecticidal tool with potential for the control of insects. <i>Process Biochemistry</i> , 2011, 46, 498-504.	1.8	78
9	Detection of water soluble lectin and antioxidant component from <i>Moringa oleifera</i> seeds. <i>Water Research</i> , 2005, 39, 975-980.	5.3	75
10	Evaluation of Cytotoxic and Anti-Inflammatory Activities of Extracts and Lectins from <i>Moringa oleifera</i> Seeds. <i>PLoS ONE</i> , 2013, 8, e81973.	1.1	74
11	Purification and partial characterization of two lectin isoforms from <i>Cratylia mollis</i> Mart. (Camaratu). <i>Trends in Food Science and Technology</i> , 2014, 31, 1-7.	1.4	72
12	PARTIAL PURIFICATION AND CHARACTERIZATION OF A THERMOSTABLE TRYPSIN FROM PYLORIC CAECA OF TAMBAQUI (<i>COLOSSOMA MACROPOMUM</i>). <i>Journal of Food Biochemistry</i> , 2001, 25, 199-210.	1.2	71
13	Caseinolytic and milk-clotting activities from <i>Moringa oleifera</i> flowers. <i>Food Chemistry</i> , 2012, 135, 1848-1854.	4.2	71
14	CasuL: A new lectin isolated from <i>Calliandra surinamensis</i> leaf pinnulae with cytotoxicity to cancer cells, antimicrobial activity and antibiofilm effect. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 419-429.	3.6	68
15	Antioxidant Activity of <i>Moringa oleifera</i> Tissue Extracts. <i>Phytotherapy Research</i> , 2012, 26, 1366-1370.	2.8	67
16	Antimicrobial lectin from <i>Schinus terebinthifolius</i> leaf. <i>Journal of Applied Microbiology</i> , 2013, 114, 672-679.	1.4	66
17	<i>Schinus terebinthifolius</i> Leaf Extract Causes Midgut Damage, Interfering with Survival and Development of <i>Aedes aegypti</i> Larvae. <i>PLoS ONE</i> , 2015, 10, e0126612.	1.1	64
18	Purification of a lectin with antibacterial activity from <i>Bothrops leucurus</i> snake venom. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2011, 159, 57-63.	0.7	60

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19	Insect midgut structures and molecules as targets of plant-derived protease inhibitors and lectins. <i>Pest Management Science</i> , 2019, 75, 1212-1222.	1.7	59
20	Larvicidal activity of lectins from <i>Myracrodruon urundeuva</i> on <i>Aedes aegypti</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009, 149, 300-306.	1.3	56
21	PgTeL, the lectin found in <i>Punica granatum</i> juice, is an antifungal agent against <i>Candida albicans</i> and <i>Candida krusei</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 108, 391-400.	3.6	53
22	Antibacterial and antifungal activities of <i>Myracrodruon urundeuva</i> heartwood. <i>Wood Science and Technology</i> , 2009, 43, 85-95.	1.4	51
23	Oviposition-Stimulant and Ovicidal Activities of <i>Moringa oleifera</i> Lectin on <i>Aedes aegypti</i> . <i>PLoS ONE</i> , 2012, 7, e44840.	1.1	51
24	EFFECT OF <i>Moringa oleifera</i> FLOWER EXTRACT ON LARVAL TRYPSIN AND ACETHYLCHOLINESTERASE ACTIVITIES IN <i>Aedes aegypti</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2012, 79, 135-152.	0.6	47
25	Evaluation of using aluminum sulfate and water-soluble <i>Moringa oleifera</i> seed lectin to reduce turbidity and toxicity of polluted stream water. <i>Chemosphere</i> , 2016, 163, 133-141.	4.2	47
26	Evaluation of acute toxicity, genotoxicity and inhibitory effect on acute inflammation of an ethanol extract of <i>Morus alba</i> L. (Moraceae) in mice. <i>Journal of Ethnopharmacology</i> , 2016, 194, 162-168.	2.0	46
27	Termiticidal activity of lectins from <i>Myracrodruon urundeuva</i> against <i>Nasutitermes corniger</i> and its mechanisms. <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 52-59.	1.9	45
28	Application of Omics Technologies for Evaluation of Antibacterial Mechanisms of Action of Plant-Derived Products. <i>Frontiers in Microbiology</i> , 2016, 7, 1466.	1.5	44
29	Multi-effect of the water-soluble <i>Moringa oleifera</i> lectin against <i>Serratia marcescens</i> and <i>Bacillus</i> sp.: antibacterial, antibiofilm and anti-adhesive properties. <i>Journal of Applied Microbiology</i> , 2017, 123, 861-874.	1.4	44
30	Effects of <i>Croton rhamnifolioides</i> Essential Oil on <i>Aedes aegypti</i> Oviposition, Larval Toxicity and Trypsin Activity. <i>Molecules</i> , 2014, 19, 16573-16587.	1.7	43
31	Genotoxicity Evaluation of <i>Moringa oleifera</i> Seed Extract and Lectin. <i>Journal of Food Science</i> , 2011, 76, T53-8.	1.5	42
32	Trypsin inhibitor from <i>Moringa oleifera</i> flowers interferes with survival and development of <i>Aedes aegypti</i> larvae and kills bacteria inhabitant of larvae midgut. <i>Parasitology Research</i> , 2014, 113, 727-733.	0.6	42
33	Water-soluble <i>Moringa oleifera</i> lectin interferes with growth, survival and cell permeability of corrosive and pathogenic bacteria. <i>Journal of Applied Microbiology</i> , 2015, 119, 666-676.	1.4	42
34	Structural characterization of coagulant <i>Moringa oleifera</i> Lectin and its effect on hemostatic parameters. <i>International Journal of Biological Macromolecules</i> , 2013, 58, 31-36.	3.6	41
35	Composition and biological activities of the essential oil of <i>Piper corcovadensis</i> (Miq.) C. DC (Piperaceae). <i>Experimental Parasitology</i> , 2016, 165, 64-70.	0.5	41
36	Antimicrobial potential of <i>Alpinia purpurata</i> lectin (ApuL): Growth inhibitory action, synergistic effects in combination with antibiotics, and antibiofilm activity. <i>Microbial Pathogenesis</i> , 2018, 124, 152-162.	1.3	41

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37	Deleterious effects of Myracrodruon urundeuva leaf extract and lectin on the maize weevil, Sitophilus zeamais (Coleoptera, Curculionidae). Journal of Stored Products Research, 2013, 54, 26-33.	1.2	39
38	Evaluation of the toxicity of essential oil from Alpinia purpurata inflorescences to Sitophilus zeamais (maize weevil). Crop Protection, 2015, 71, 95-100.	1.0	39
39	Sitophilus zeamais adults have survival and nutrition affected by Schinus terebinthifolius leaf extract and its lectin (SteLL). Industrial Crops and Products, 2018, 116, 81-89.	2.5	39
40	Immunomodulatory response of Cramoll 1,4 lectin on experimental lymphocytes. Phytotherapy Research, 2010, 24, 1631-1636.	2.8	38
41	A new Bauhinia monandra galactose-specific lectin purified in milligram quantities from secondary roots with antifungal and termiticidal activities. International Biodeterioration and Biodegradation, 2011, 65, 696-702.	1.9	38
42	Induction of mortality on Nasutitermes corniger (Isoptera, Termitidae) by Myracrodruon urundeuva heartwood lectin. International Biodeterioration and Biodegradation, 2008, 62, 460-464.	1.9	37
43	Crataeva tapia bark lectin is an affinity adsorbent and insecticidal agent. Plant Science, 2012, 183, 20-26.	1.7	37
44	Assessment of toxicity of Moringa oleifera flower extract to Biomphalaria glabrata, Schistosoma mansoni and Artemia salina. Chemosphere, 2015, 132, 188-192.	4.2	37
45	Portulaca elatior root contains a trehalose-binding lectin with antibacterial and antifungal activities. International Journal of Biological Macromolecules, 2019, 126, 291-297.	3.6	37
46	Coagulant properties of Moringa oleifera protein preparations: application to humic acid removal. Environmental Technology (United Kingdom), 2012, 33, 69-75.	1.2	35
47	Antioxidant, Fusarium growth inhibition and Nasutitermes corniger repellent activities of secondary metabolites from Myracrodruon urundeuva heartwood. International Biodeterioration and Biodegradation, 2009, 63, 470-477.	1.9	33
48	Oxygen-limited cellobiose fermentation and the characterization of the cellobiase of an industrial Dekkera/Brettanomyces bruxellensis strain. SpringerPlus, 2014, 3, 38.	1.2	32
49	Evaluation of Toxicity and Antimicrobial Activity of an Ethanolic Extract from Leaves of Morus alba L. (Moraceae). Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-7.	0.5	32
50	Isolation of a trypsin inhibitor from Echinodorus paniculatus seeds by affinity chromatography on immobilized Cratylia mollis isolectins. Bioresource Technology, 2003, 88, 75-79.	4.8	29
51	Toxic effects of Microgramma vacciniifolia rhizome lectin on Artemia salina, human cells, and the schistosomiasis vector Biomphalaria glabrata. Acta Tropica, 2014, 138, 23-27.	0.9	29
52	Exploiting the biological roles of the trypsin inhibitor from Inga vera seeds: A multifunctional Kunitz inhibitor. Process Biochemistry, 2016, 51, 792-803.	1.8	29
53	Effect of lectins from Opuntia ficus indica cladodes and Moringa oleifera seeds on survival of Nasutitermes corniger. International Biodeterioration and Biodegradation, 2011, 65, 982-989.	1.9	28
54	Purification, characterization and antibacterial potential of a lectin isolated from Apuleia leiocarpa seeds. International Journal of Biological Macromolecules, 2015, 75, 402-408.	3.6	27

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55	Moringa oleifera: Resource Management and Multiuse Life Tree. <i>Advances in Research</i> , 2015, 4, 388-402.	0.3	27
56	Cramoll 1,4 lectin increases ROS production, calcium levels, and cytokine expression in treated spleen cells of rats. <i>Molecular and Cellular Biochemistry</i> , 2010, 342, 163-169.	1.4	26
57	The juicy sarcotesta of <i>Punica granatum</i> contains a lectin that affects growth, survival as well as adherence and invasive capacities of human pathogenic bacteria. <i>Journal of Functional Foods</i> , 2016, 27, 695-702.	1.6	26
58	Purified <i>Cladonia verticillaris</i> lichen lectin: Insecticidal activity on <i>Nasutitermes corniger</i> (Isoptera: Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.9	25
59	Evaluation of antitumor activity and toxicity of <i>Schinus terebinthifolia</i> leaf extract and lectin (StELL) in sarcoma 180-bearing mice. <i>Journal of Ethnopharmacology</i> , 2019, 233, 148-157.	2.0	25
60	Saline extract of <i>Pilosocereus gounellei</i> stem has antinociceptive effect in mice without showing acute toxicity and altering motor coordination. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 95, 289-297.	1.3	24
61	Nematicidal activity of a water soluble lectin from seeds of <i>Moringa oleifera</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 108, 782-789.	3.6	24
62	Chemical characterization and insecticidal effect against <i>Sitophilus zeamais</i> (maize weevil) of essential oil from <i>Croton rudolphianus</i> leaves. <i>Crop Protection</i> , 2020, 129, 105043.	1.0	24
63	Effect of <i>Microgramma vacciniifolia</i> rhizome lectin on survival and digestive enzymes of <i>Nasutitermes corniger</i> (Isoptera, Termitidae). <i>International Biodeterioration and Biodegradation</i> , 2012, 75, 158-166.	1.9	23
64	A Trypsin Inhibitor from <i>Tecoma stans</i> Leaves Inhibits Growth and Promotes ATP Depletion and Lipid Peroxidation in <i>Candida albicans</i> and <i>Candida krusei</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 611.	1.5	23
65	Cytotoxicity of the coagulant <i>Moringa oleifera</i> lectin (cMoL) to B16-F10 melanoma cells. <i>Toxicology in Vitro</i> , 2017, 44, 94-99.	1.1	23
66	Immunomodulatory Effects of the Water-soluble Lectin from <i>Moringa oleifera</i> Seeds (WSMoL) on Human Peripheral Blood Mononuclear Cells (PBMC). <i>Protein and Peptide Letters</i> , 2018, 25, 295-301.	0.4	23
67	Optimized extraction of a lectin from <i>Crataeva tapia</i> bark using AOT in isooctane reversed micelles. <i>Process Biochemistry</i> , 2008, 43, 779-782.	1.8	22
68	Structural Studies of the Interaction of <i>Crataeva tapia</i> Bark Protein with Heparin and Other Glycosaminoglycans. <i>Biochemistry</i> , 2013, 52, 2148-2156.	1.2	22
69	Ultrastructural characterization of the hemocytes of <i>Lasiadora</i> sp. (Koch, 1850) (Araneae: Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50	1.1	22
70	Biotechnological value of <i>Moringa oleifera</i> seed cake as source of insecticidal lectin against <i>Aedes aegypti</i> . <i>Process Biochemistry</i> , 2016, 51, 1683-1690.	1.8	22
71	Digestive enzymes from workers and soldiers of termite <i>Nasutitermes corniger</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2014, 176, 1-8.	0.7	21
72	Hexane extract from <i>Spondias tuberosa</i> (Anacardiaceae) leaves has antioxidant activity and is an anti- <i>Candida</i> agent by causing mitochondrial and lysosomal damages. <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 284.	3.7	21

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73	Ferromagnetic Levan Composite: An Affinity Matrix to Purify Lectin. <i>Journal of Biomedicine and Biotechnology</i> , 2009, 2009, 1-6.	3.0	20
74	Immobilized <i>Cratylia mollis</i> lectin: An affinity matrix to purify a soybean (<i>Glycine max</i>) seed protein with in vitro platelet antiaggregation and anticoagulant activities. <i>Process Biochemistry</i> , 2011, 46, 74-80.	1.8	20
75	A novel antimicrobial lectin from <i>Eugenia malaccensis</i> that stimulates cutaneous healing in mice model. <i>Inflammopharmacology</i> , 2012, 20, 315-322.	1.9	20
76	<i>Microgramma vacciniifolia</i> (Polypodiaceae) fronds contain a multifunctional lectin with immunomodulatory properties on human cells. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 36-46.	3.6	20
77	Screening of endophytic fungi stored in a culture collection for taxol production. <i>Brazilian Journal of Microbiology</i> , 2018, 49, 59-63.	0.8	20
78	<i>Punica granatum sarcotesta</i> lectin (PgTel) has antibacterial activity and synergistic effects with antibiotics against β -lactamase-producing <i>Escherichia coli</i> . <i>International Journal of Biological Macromolecules</i> , 2019, 135, 931-939.	3.6	20
79	A chitin-binding lectin from <i>Moringa oleifera</i> seeds (WSMoL) impairs the digestive physiology of the Mediterranean flour larvae, <i>Anagasta kuehniella</i> . <i>Pesticide Biochemistry and Physiology</i> , 2017, 142, 67-76.	1.6	19
80	Crystal Structure of <i>Crataeva tapia</i> Bark Protein (CrataBL) and Its Effect in Human Prostate Cancer Cell Lines. <i>PLoS ONE</i> , 2013, 8, e64426.	1.1	19
81	Purification and primary structure determination of two Bowmanâ€™Birk type trypsin isoinhibitors from <i>Cratylia mollis</i> seeds. <i>Phytochemistry</i> , 2006, 67, 545-552.	1.4	18
82	Evaluation of <i>Moringa oleifera</i> seed lectin in traps for the capture of <i>Aedes aegypti</i> eggs and adults under semi-field conditions. <i>Parasitology Research</i> , 2014, 113, 1837-1842.	0.6	18
83	Coagulant Activity of Water-Soluble <i>Moringa oleifera</i> Lectin Is Linked to Lowering of Electrical Resistance and Inhibited by Monosaccharides and Magnesium Ions. <i>Applied Biochemistry and Biotechnology</i> , 2016, 180, 1361-1371.	1.4	18
84	Fatty acid-rich volatile oil from <i>Syagrus coronata</i> seeds has larvicidal and oviposition-deterrent activities against <i>Aedes aegypti</i> . <i>Physiological and Molecular Plant Pathology</i> , 2017, 100, 35-40.	1.3	18
85	Termiticidal lectins from <i>Myracrodruon urundeuva</i> (<i>Anacardiaceae</i>) cause midgut damage when ingested by <i>Nasutitermes corniger</i> (Isoptera: Termitidae) workers. <i>Pest Management Science</i> , 2017, 73, 991-998.	1.7	18
86	Evaluation of the insecticidal activity of <i>Moringa oleifera</i> seed extract and lectin (WSMoL) against <i>Sitophilus zeamais</i> . <i>Journal of Stored Products Research</i> , 2020, 87, 101615.	1.2	18
87	Antimicrobial Activity of <i>Cladonia verticillaris</i> Lichen Preparations on Bacteria and Fungi of Medical Importance. <i>Chinese Journal of Biology</i> , 2014, 2014, 1-7.	2.0	17
88	<i>Punica granatum sarcotesta</i> lectin (PgTel) impairs growth, structure, viability, aggregation, and biofilm formation ability of <i>Staphylococcus aureus</i> clinical isolates. <i>International Journal of Biological Macromolecules</i> , 2019, 123, 600-608.	3.6	17
89	Antibacterial lectin from <i>Moringa oleifera</i> seeds (WSMoL) has differential action on growth, membrane permeability and protease secretory ability of Gram-positive and Gram-negative pathogens. <i>South African Journal of Botany</i> , 2020, 129, 198-205.	1.2	17
90	Occurrence and Diversity of Intra- and Interhospital Drug-Resistant and Biofilm-Forming <i>Acinetobacter baumannii</i> and <i>Pseudomonas aeruginosa</i> . <i>Microbial Drug Resistance</i> , 2020, 26, 802-814.	0.9	17

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91	Antifungal Activity of <i>Microgramma vacciniifolia</i> Rhizome Lectin on Genetically Distinct <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> Races. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 1098-1105.	1.4	16
92	Lectin from inflorescences of ornamental crop <i>Alpinia purpurata</i> acts on immune cells to promote Th1 and Th17 responses, nitric oxide release, and lymphocyte activation. <i>Biomedicine and Pharmacotherapy</i> , 2017, 94, 865-872.	2.5	16
93	<i>Schinus terebinthifolia</i> leaf lectin (SteLL) has anti-infective action and modulates the response of <i>Staphylococcus aureus</i> -infected macrophages. <i>Scientific Reports</i> , 2019, 9, 18159.	1.6	16
94	Ovicidal lectins from <i>Moringa oleifera</i> and <i>Myracrodruon urundeuva</i> cause alterations in chorionic surface and penetrate the embryos of <i>Aedes aegypti</i> eggs. <i>Pest Management Science</i> , 2020, 76, 730-736.	1.7	16
95	Polymorphisms in GSTE2 is associated with temephos resistance in <i>Aedes aegypti</i> . <i>Pesticide Biochemistry and Physiology</i> , 2020, 165, 104464.	1.6	16
96	The Plant Proteinase Inhibitor <i>CrataBL</i> Plays a Role in Controlling Asthma Response in Mice. <i>BioMed Research International</i> , 2018, 2018, 1-15.	0.9	15
97	Histochemical Evaluation of Human Prostatic Tissues with <i>Cratylia mollis</i> Seed Lectin. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-6.	3.0	14
98	Evaluation of antimicrobial, cytotoxic, and hemolytic activities from venom of the spider <i>Lasiadora</i> sp.. <i>Toxicon</i> , 2016, 122, 119-126.	0.8	14
99	Exposure of mosquito (<i>Aedes aegypti</i>) larvae to the water extract and lectin-rich fraction of <i>Moringa oleifera</i> seeds impairs their development and future fecundity. <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109583.	2.9	14
100	Evaluating glucose and mannose profiles in <i>Candida</i> species using quantum dots conjugated with Cramoll lectin as fluorescent nanoprobe. <i>Microbiological Research</i> , 2020, 230, 126330.	2.5	14
101	Antitumor activity of <i>Moringa oleifera</i> (drumstick tree) flower trypsin inhibitor (MoFTI) in sarcoma 180-bearing mice. <i>Food and Chemical Toxicology</i> , 2020, 145, 111691.	1.8	14
102	ISOLATION OF LECTIN FROM <i>OPUNTIA FICUS-INDICA</i> CLADODES. <i>Acta Horticulturae</i> , 2009, , 281-286.	0.1	13
103	Potential of the Lectin/Inhibitor Isolated from <i>Crataeva tapia</i> Bark (<i>CrataBL</i>) for Controlling <i>Callosobruchus maculatus</i> Larva Development. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 10431-10436.	2.4	13
104	Ecotoxicity of water-soluble lectin from <i>Moringa oleifera</i> seeds to zebrafish (<i>Danio rerio</i>) embryos and larvae. <i>Chemosphere</i> , 2017, 185, 178-182.	4.2	12
105	Effects of <i>Opuntia ficus-indica</i> lectin on feeding, survival, and gut enzymes of maize weevil, <i>Sitophilus zeamais</i> . <i>Applied Biological Chemistry</i> , 2018, 61, 337-343.	0.7	12
106	A Bifunctional Molecule with Lectin and Protease Inhibitor Activities Isolated from <i>Crataeva tapia</i> Bark Significantly Affects Cocultures of Mesenchymal Stem Cells and Glioblastoma Cells. <i>Molecules</i> , 2019, 24, 2109.	1.7	12
107	Anti-staphylococcal activity of <i>Syagrus coronata</i> essential oil: Biofilm eradication and in vivo action on <i>Galleria mellonella</i> infection model. <i>Microbial Pathogenesis</i> , 2019, 131, 150-157.	1.3	12
108	Effect of gamma irradiation of <i>Moringa oleifera</i> seed lectin on its larvicidal, ovicidal, and oviposition-stimulant activities against <i>Aedes aegypti</i> . <i>South African Journal of Botany</i> , 2020, 129, 3-8.	1.2	12

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109	Toxicity assessment and antinociceptive activity of an ethanolic extract from <i>Croton blanchetianus</i> (Euphorbiaceae) leaves. <i>South African Journal of Botany</i> , 2020, 133, 30-39.	1.2	12
110	Anti-Candida activity of the water-soluble lectin from <i>Moringa oleifera</i> seeds (WSMoL). <i>Journal De Mycologie Medicale</i> , 2021, 31, 101074.	0.7	12
111	Insecticidal activity of the essential oil of <i>Piper corcovadensis</i> leaves and its major compound (1-butyl-4-methylenedioxybenzene) against the maize weevil, <i>Sitophilus zeamais</i> . <i>Pest Management Science</i> , 2022, 78, 1008-1017.	1.7	12
112	The first serine protease inhibitor from <i>Lasiadora</i> sp. (Araneae: Theraphosidae) hemocytes. <i>Process Biochemistry</i> , 2011, 46, 2317-2321.	1.8	11
113	CrataBL, a lectin and Factor Xa inhibitor, plays a role in blood coagulation and impairs thrombus formation. <i>Biological Chemistry</i> , 2014, 395, 1027-1035.	1.2	11
114	Screening of Caatinga plants as sources of lectins and trypsin inhibitors. <i>Natural Product Research</i> , 2014, 28, 1297-1301.	1.0	11
115	Removal of tetracycline from contaminated water by <i>Moringa oleifera</i> seed preparations. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 744-751.	1.2	11
116	Purification and characterization of a protease from the visceral mass of <i>Mytella charruana</i> and its evaluation to obtain antimicrobial peptides. <i>Food Chemistry</i> , 2018, 245, 1169-1175.	4.2	11
117	Purification and characterization of a lectin with refolding ability from <i>Genipa americana</i> bark. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 517-523.	3.6	11
118	Assessment of 28-day oral toxicity and antipyretic activity of the saline extract from <i>Pilosocereus gounellei</i> (Cactaceae) stem in mice. <i>Journal of Ethnopharmacology</i> , 2019, 234, 96-105.	2.0	11
119	Toxicity assessment of saline extract and lectin-rich fraction from <i>Microgramma vacciniifolia</i> rhizome. <i>Toxicon</i> , 2020, 187, 65-74.	0.8	11
120	Antibacterial effects of the lectin from pomegranate sarcotesta (PgTeL) against <i>Listeria monocytogenes</i> . <i>Journal of Applied Microbiology</i> , 2021, 131, 671-681.	1.4	11
121	Insecticidal activity of a chemotype VI essential oil from <i>Lippia alba</i> leaves collected at Caatinga and the major compound (1,8-cineole) against <i>Nasutitermes corniger</i> and <i>Sitophilus zeamais</i> . <i>Pesticide Biochemistry and Physiology</i> , 2021, 177, 104901.	1.6	11
122	Electrochemical potential of <i>Microgramma vacciniifolia</i> rhizome lectin. <i>Bioelectrochemistry</i> , 2012, 85, 56-60.	2.4	10
123	Metal-sensitive and thermostable trypsin from the crevalle jack (<i>Caranx hippos</i>) pyloric caeca: purification and characterization. <i>BMC Chemistry</i> , 2013, 7, 166.	1.6	10
124	Lectin from <i>Crataeva tapia</i> Bark Improves Tissue Damages and Plasma Hyperglycemia in Alloxan-Induced Diabetic Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-9.	0.5	10
125	Binding targets of termiticidal lectins from the bark and leaf of <i>Myracrodruon urundeuva</i> in the gut of <i>Nasutitermes corniger</i> workers. <i>Pest Management Science</i> , 2018, 74, 1593-1599.	1.7	10
126	Antioxidant Action and <i>In Vivo</i> Anti-Inflammatory and Antinociceptive Activities of <i>Myrciaria floribunda</i> Fruit Peels: Possible Involvement of Opioidergic System. <i>Advances in Pharmacological and Pharmaceutical Sciences</i> , 2020, 2020, 1-11.	0.7	10

#	ARTICLE	IF	CITATIONS
127	Antinutritional effects of the chitin-binding lectin from <i>Microgramma vacciniifolia</i> rhizome (MvRL) on <i>Sitophilus zeamais</i> . <i>Journal of Stored Products Research</i> , 2020, 88, 101652.	1.2	10
128	<i>Schinus terebinthifolia</i> leaf lectin (SteLL) is an immunomodulatory agent by altering cytokine release by mice splenocytes. <i>3 Biotech</i> , 2020, 10, 144.	1.1	10
129	<i>Pilosocereus gounellei</i> (Cactaceae) stem extract decreases insulin resistance, inflammation, oxidative stress, and cardio-metabolic risk in diet-induced obese mice. <i>Journal of Ethnopharmacology</i> , 2021, 265, 113327.	2.0	10
130	Affinity Matrices of <i>Cratylia mollis</i> Seed Lectins for Isolation of Glycoproteins from Complex Protein Mixtures. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 744-755.	1.4	9
131	Selection of a protein solubilization method suitable for phytopathogenic bacteria: a proteomics approach. <i>Proteome Science</i> , 2015, 13, 5.	0.7	9
132	<i>Schinus terebinthifolia</i> leaf extract is a larvicidal, pupicidal, and oviposition deterring agent against <i>Plutella xylostella</i> . <i>South African Journal of Botany</i> , 2019, 127, 124-128.	1.2	9
133	Effects of two protease inhibitors from <i>Bauhinia bauhinoides</i> with different specificity towards gut enzymes of <i>Nasutitermes corniger</i> and its survival. <i>Chemosphere</i> , 2019, 222, 364-370.	4.2	9
134	Larvicidal Activity of Plant and Algae Extracts, Essential Oils and Isolated Chemical Constituents against <i>Aedes aegypti</i> . <i>Natural Products Journal</i> , 2014, 3, 268-291.	0.1	9
135	Quantum dots conjugated to lectins from <i>Schinus terebinthifolia</i> leaves (SteLL) and <i>Punica granatum</i> sarcotesta (PgTel) as potential fluorescent nanotools for investigating <i>Cryptococcus neoformans</i> . <i>International Journal of Biological Macromolecules</i> , 2021, 192, 232-240.	3.6	9
136	Effects of α, β -unsaturated lactones on larval survival and gut trypsin as well as oviposition response of <i>Aedes aegypti</i> . <i>Experimental Parasitology</i> , 2015, 156, 37-41.	0.5	8
137	CdTe-GSH as luminescent biomarker for labeling the larvicidal action of WSMoL lectin in <i>Aedes aegypti</i> larvae. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 187, 110672.	2.5	8
138	Anti-staphylococcal effects of <i>Myracrodruon urundeuva</i> lectins on nonresistant and multidrug resistant isolates. <i>Journal of Applied Microbiology</i> , 2021, 130, 745-754.	1.4	8
139	Effects of <i>Plectranthus barbatus</i> leaf extract on survival, digestive proteases, midgut morphophysiology and gut microbiota homeostasis of <i>Aedes aegypti</i> larvae. <i>South African Journal of Botany</i> , 2021, 141, 116-125.	1.2	8
140	A new exogen anticoagulant with high selectivity to intrinsic pathway of coagulation. <i>Thrombosis Research</i> , 2011, 128, 395-397.	0.8	7
141	Interaction of <i>Moringa oleifera</i> seed lectin with humic acid. <i>Chemical Papers</i> , 2011, 65, .	1.0	7
142	Genotoxicity assessment of saline extract from <i>Pilosocereus gounellei</i> (Cactaceae) and its chemopreventive effect against cyclophosphamide-induced DNA damage. <i>Heliyon</i> , 2020, 6, e03811.	1.4	7
143	Effects of a solid formulation containing lectin-rich fraction of <i>Moringa oleifera</i> seeds on egg hatching and development of <i>Aedes aegypti</i> larvae. <i>Acta Tropica</i> , 2021, 214, 105789.	0.9	7
144	Purification, Characterization, and Assessment of Antimicrobial Activity and Toxicity of <i>Portulaca elatior</i> Leaf Lectin (PeLL). <i>Probiotics and Antimicrobial Proteins</i> , 2023, 15, 287-299.	1.9	7

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145	Antinociceptive activity of <i>Schinus terebinthifolia</i> leaf lectin (StELL) in sarcoma 180-bearing mice. <i>Journal of Ethnopharmacology</i> , 2020, 259, 112952.	2.0	7
146	<i>Calliandra surinamensis</i> lectin (CasuL) does not impair the functionality of mice splenocytes, promoting cell signaling and cytokine production. <i>Biomedicine and Pharmacotherapy</i> , 2018, 107, 650-655.	2.5	6
147	Phytochemical analysis and evaluation of acute toxicity and antioxidant, antibacterial, and anti-inflammatory activities of ethanolic extracts from branches and leaves of <i>Jacaranda rugosa</i> . <i>South African Journal of Botany</i> , 2020, 135, 233-239.	1.2	6
148	The trypsin inhibitor from <i>Moringa oleifera</i> flowers (MoFTI) inhibits acute inflammation in mice by reducing cytokine and nitric oxide levels. <i>South African Journal of Botany</i> , 2021, 143, 474-474.	1.2	6
149	Oviposition deterrence, larvicidal activity and docking of Î²-germacrene-D-4-ol obtained from leaves of <i>Piper corcovadensis</i> (Piperaceae) against <i>Aedes aegypti</i> . <i>Industrial Crops and Products</i> , 2022, 182, 114830.	2.5	6
150	Inhibition of Carrageenan-Induced Acute Inflammation in Mice by the <i>Microgramma vacciniifolia</i> Frond Lectin (MvFL). <i>Polymers</i> , 2022, 14, 1609.	2.0	6
151	<i>Anacardium occidentale</i> Bark Lectin: Purification, Immobilization as an Affinity Model and Influence in the Uptake of Technetium-99M by Rat Adipocytes. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 580-591.	1.4	5
152	A plant proteinase inhibitor from <i>Crataeva tapia</i> (CrataBL) attenuates elastase-induced pulmonary inflammatory, remodeling, and mechanical alterations in mice. <i>Process Biochemistry</i> , 2015, 50, 1958-1965.	1.8	5
153	The effects of <i>Enterobium contortisiliquum</i> serine protease inhibitor on the survival of the termite <i>Nasutitermes corniger</i> , and its use as affinity adsorbent to purify termite proteases. <i>Pest Management Science</i> , 2019, 75, 632-638.	1.7	5
154	In vitro effects of <i>Moringa oleifera</i> seed lectins on <i>Haemonchus contortus</i> in larval and adult stages. <i>Experimental Parasitology</i> , 2020, 218, 108004.	0.5	5
155	<i>Bauhinia monandra</i> leaf lectin (BmoLL) conjugated with quantum dots as fluorescent nanoprobe for biological studies: application to red blood cells. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 035009.	1.1	5
156	Antimicrobial activity of polypyrrole nanoparticles and aqueous extract of <i>Moringa oleifera</i> against <i>Staphylococcus</i> spp. carriers of multi-drug efflux system genes isolated from dairy farms. <i>Journal of Dairy Research</i> , 2020, 87, 309-314.	0.7	5
157	Evaluation of the In Vivo Acute Toxicity and In Vitro Hemolytic and Immunomodulatory Activities of the <i>Moringa oleifera</i> Flower Trypsin Inhibitor (MoFTI). <i>Protein and Peptide Letters</i> , 2021, 28, 665-674.	0.4	5
158	A Trypsin Inhibitor from <i>Moringa oleifera</i> Flowers Modulates the Immune Response In Vitro of <i>Trypanosoma cruzi</i> -Infected Human Cells. <i>Antibiotics</i> , 2020, 9, 515.	1.5	4
159	Anticryptococcal activity of hexane extract from <i>Spondias tuberosa</i> Arruda and associated cellular events. <i>Journal De Mycologie Medicale</i> , 2020, 30, 100965.	0.7	4
160	Flavonoid-rich fraction of <i>Croton blanchetianus</i> Baill. (Euphorbiaceae) leaves: Chemical profile, acute and subacute toxicities, genotoxicity and antioxidant potential. <i>South African Journal of Botany</i> , 2022, 144, 238-249.	1.2	4
161	Evaluation of <i>Moringa oleifera</i> Seed Lectin as a Metal Remover in Aqueous Solutions. <i>Protein and Peptide Letters</i> , 2016, 23, 645-649.	0.4	4
162	Acute toxicity and genotoxicity assessment of PgTeL, a lectin from pomegranate sarcotesta, in mice. <i>South African Journal of Botany</i> , 2022, 151, 301-308.	1.2	4

#	ARTICLE	IF	CITATIONS
163	Isolation and Antimicrobial Activity of Lectin from <i>Schinus terebinthifolius</i> Leaves. <i>Journal of Biotechnology</i> , 2010, 150, 453-453.	1.9	3
164	Biotechnological Potential of <i>Araucaria angustifolia</i> Pine Nuts Extract and the Cysteine Protease Inhibitor AaCl-2S. <i>Plants</i> , 2020, 9, 1676.	1.6	3
165	<i>Opuntia ficus-indica</i> cladode extract is an embryotoxic, larvicidal, and oviposition-deterrent agent for the diamondback moth, <i>Plutella xylostella</i> . <i>Crop Protection</i> , 2021, 139, 105351.	1.0	3
166	Genetic and Biochemical Diversity of Clinical <i>Acinetobacter baumannii</i> and <i>Pseudomonas aeruginosa</i> Isolates in a Public Hospital in Brazil. <i>Microbial Drug Resistance</i> , 2021, 27, 509-517.	0.9	3
167	Water-soluble lectin (WSMoL) from <i>Moringa oleifera</i> seeds treatment recovers glycemic levels and improves left ventricular ejection fraction on Type-2 Diabetes mice model. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20201596.	0.3	3
168	First report of the <i>aac(6)-Ib-cr</i> gene in <i>Providencia stuartii</i> isolates in Brazil. <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , 2020, 54, e20190524.	0.4	3
169	Avaliaço dos Efeitos Cardacos de Lectina Solvel em gua (WSMoL) de Sementes de <i>Moringa Oleifera</i> . <i>Arquivos Brasileiros De Cardiologia</i> , 2020, 114, 1029-1037.	0.3	3
170	Purification, characterization, and immunomodulatory activity of a lectin from the seeds of horse chestnut (<i>Aesculus hippocastanum</i> L.). <i>Current Research in Biotechnology</i> , 2022, 4, 203-210.	1.9	3
171	Antibacterial and antitumor activities of a lectin-rich preparation from <i>Microgramma vacciniifolia</i> rhizome. <i>Current Research in Pharmacology and Drug Discovery</i> , 2022, 3, 100093.	1.7	3
172	Multivariate evaluation of process parameters to obtain essential oil of <i>Piper corcovadensis</i> using supercritical fluid extraction. <i>Microchemical Journal</i> , 2022, 181, 107747.	2.3	3
173	<i>Crataeva tapia</i> bark lectin (CrataBL) is a chemoattractant for endothelial cells that targets heparan sulfate and promotes <i>in vitro</i> angiogenesis. <i>Biochimie</i> , 2019, 166, 173-183.	1.3	2
174	Evaluation of the use of <i>Myracrodruon urundeuva</i> heartwood extracts to protect <i>Moringa oleifera</i> seeds against <i>Nasutitermes corniger</i> attack and improve sanity. <i>South African Journal of Botany</i> , 2020, 129, 423-428.	1.2	2
175	Investigation of the ability of the oviposition-stimulant lectin from <i>Moringa oleifera</i> seeds (WSMoL) to bind with membrane proteins present in the legs of <i>Aedes aegypti</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 162, 657-662.	3.6	2
176	<i>Streptomyces hygrosopicus</i> UFPEDA 3370: A valuable source of the potent cytotoxic agent nigericin and its evaluation against human colorectal cancer cells. <i>Chemico-Biological Interactions</i> , 2021, 333, 109316.	1.7	2
177	Resistance mechanisms of <i>Cryptococcus</i> spp. and plant compounds as tools to combat them. <i>Research, Society and Development</i> , 2021, 10, e57810212819.	0.0	2
178	Antinociceptive and Anti-inflammatory Effects of Saline Extract and Lectin-rich Fraction from <i>Microgramma vacciniifolia</i> Rhizome in Mice. <i>Chemistry and Biodiversity</i> , 2021, 18, e2100125.	1.0	2
179	Insecticidal activity of the ether extract from the lichen <i>Ramalina complanata</i> and an isolated metabolite (divaricatic acid) against <i>Sitophilus zeamais</i> (Coleoptera, Curculionidae). <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 35, 102049.	1.5	2
180	Sodium chloride reduces the viability of eggs, larvae, and pupae of <i>Spodoptera frugiperda</i> , as well as delays its development. <i>Research, Society and Development</i> , 2022, 11, e29311427232.	0.0	2

#	ARTICLE	IF	CITATIONS
181	Insecticidal and antifungal activities of saline extract from <i>Abarema cochliocarpos</i> bark against pests with relevance to human health and agronomy. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 28, 101739.	1.5	1
182	A new lectin from the floral capitula of <i>Egletes viscosa</i> (EgviL): Biochemical and biophysical characterization and cytotoxicity to human cancer cells. <i>International Journal of Biological Macromolecules</i> , 2021, 168, 676-685.	3.6	1
183	Esterase activity in homogenates of <i>Helicoverpa armigera</i> (Hubner) (Lepidoptera: noctuidae) exposed to different insecticides and the behavioral effect. <i>Bioscience Journal</i> , 0, , 166-176.	0.4	1
184	Myracrodruon urundeuva leaf lectin damages exochorionic cells and binds to the serosal cuticle of <i>Aedes aegypti</i> eggs. <i>3 Biotech</i> , 2022, 12, 109.	1.1	1
185	Triagem fitoquímica, atividades antioxidante, fotoprotetora e hemolítica in vitro dos extratos de acetato de etila dos frutos e ramos de <i>Spondias tuberosa</i> (umbu). <i>Research, Society and Development</i> , 2021, 10, e38610111825.	0.0	0
186	Anti-biofilm potential of some plant volatile compounds against <i>Proteus mirabilis</i> . <i>Planta Medica</i> , 2016, 81, S1-S381.	0.7	0