

Thiago Henrique Napoleo

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2425634/thiago-henrique-napoleao-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

164 papers	2,398 citations	28 h-index	40 g-index
171 ext. papers	2,897 ext. citations	4 avg, IF	4.87 L-index

#	Paper	IF	Citations
164	Effect of Moringa oleifera lectin on development and mortality of Aedes aegypti larvae. <i>Chemosphere</i> , 2009 , 77, 934-8	8.4	106
163	Coagulant and antibacterial activities of the water-soluble seed lectin from Moringa oleifera. <i>Letters in Applied Microbiology</i> , 2011 , 53, 186-92	2.9	85
162	Lectins, Interconnecting Proteins with Biotechnological/Pharmacological and Therapeutic Applications. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017 , 2017, 1594074	2.3	82
161	Effect of Moringa oleifera lectins on survival and enzyme activities of Aedes aegypti larvae susceptible and resistant to organophosphate. <i>Parasitology Research</i> , 2014 , 113, 175-84	2.4	65
160	Effect of Myracrodruon urundeuva leaf lectin on survival and digestive enzymes of Aedes aegypti larvae. <i>Parasitology Research</i> , 2012 , 110, 609-16	2.4	64
159	Lectins as antimicrobial agents. <i>Journal of Applied Microbiology</i> , 2018 , 125, 1238-1252	4.7	60
158	Caseinolytic and milk-clotting activities from Moringa oleifera flowers. <i>Food Chemistry</i> , 2012 , 135, 1848-54	3.5	55
157	Evaluation of cytotoxic and anti-inflammatory activities of extracts and lectins from Moringa oleifera seeds. <i>PLoS ONE</i> , 2013 , 8, e81973	3.7	52
156	Antimicrobial lectin from Schinus terebinthifolius leaf. <i>Journal of Applied Microbiology</i> , 2013 , 114, 672-9	4.7	49
155	Evaluation of using aluminum sulfate and water-soluble Moringa oleifera seed lectin to reduce turbidity and toxicity of polluted stream water. <i>Chemosphere</i> , 2016 , 163, 133-141	8.4	43
154	Schinus terebinthifolius Leaf Extract Causes Midgut Damage, Interfering with Survival and Development of Aedes aegypti Larvae. <i>PLoS ONE</i> , 2015 , 10, e0126612	3.7	43
153	CasUL: A new lectin isolated from Calliandra surinamensis leaf pinnulae with cytotoxicity to cancer cells, antimicrobial activity and antibiofilm effect. <i>International Journal of Biological Macromolecules</i> , 2017 , 98, 419-429	7.9	42
152	Effect of Moringa oleifera flower extract on larval trypsin and acetylcholinesterase activities in Aedes aegypti. <i>Archives of Insect Biochemistry and Physiology</i> , 2012 , 79, 135-52	2.3	42
151	Antibacterial and antifungal activities of Myracrodruon urundeuva heartwood. <i>Wood Science and Technology</i> , 2009 , 43, 85-95	2.5	40
150	Oviposition-stimulant and ovicidal activities of Moringa oleifera lectin on Aedes aegypti. <i>PLoS ONE</i> , 2012 , 7, e44840	3.7	37
149	Termiticidal activity of lectins from Myracrodruon urundeuva against Nasutitermes corniger and its mechanisms. <i>International Biodeterioration and Biodegradation</i> , 2011 , 65, 52-59	4.8	37
148	Effects of Croton rhamnifolioides essential oil on Aedes aegypti oviposition, larval toxicity and trypsin activity. <i>Molecules</i> , 2014 , 19, 16573-87	4.8	36

147	Insect midgut structures and molecules as targets of plant-derived protease inhibitors and lectins. <i>Pest Management Science</i> , 2019 , 75, 1212-1222	4.6	35
146	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, 727-33	2.4	34
145	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, 666-76	4.7	34
144	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, 300-6	3.2	34
143	Induction of mortality on <i>Nasutitermes corniger</i> (Isoptera, Termitidae) by <i>Myracrodruon urundeuva</i> heartwood lectin. <i>International Biodeterioration and Biodegradation</i> , 2008 , 62, 460-464	4.8	32
142	Application of Omics Technologies for Evaluation of Antibacterial Mechanisms of Action of Plant-Derived Products. <i>Frontiers in Microbiology</i> , 2016 , 7, 1466	5.7	32
141	Evaluation of the toxicity of essential oil from <i>Alpinia purpurata</i> inflorescences to <i>Sitophilus zeamais</i> (maize weevil). <i>Crop Protection</i> , 2015 , 71, 95-100	2.7	31
140	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	5	30
139	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	7.9	29
138	Assessment of toxicity of <i>Moringa oleifera</i> flower extract to <i>Biomphalaria glabrata</i> , <i>Schistosoma mansoni</i> and <i>Artemia salina</i> . <i>Chemosphere</i> , 2015 , 132, 188-92	8.4	28
137	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	4.7	28
136	<i>Crataeva tapia</i> bark lectin is an affinity adsorbent and insecticidal agent. <i>Plant Science</i> , 2012 , 183, 20-6	5.3	28
135	A new <i>Bauhinia monandra</i> galactose-specific lectin purified in milligram quantities from secondary roots with antifungal and termiticidal activities. <i>International Biodeterioration and Biodegradation</i> , 2011 , 65, 696-702	4.8	28
134	Exploiting the biological roles of the trypsin inhibitor from <i>Inga vera</i> seeds: A multifunctional Kunitz inhibitor. <i>Process Biochemistry</i> , 2016 , 51, 792-803	4.8	27
133	Deleterious effects of <i>Myracrodruon urundeuva</i> leaf extract and lectin on the maize weevil, <i>Sitophilus zeamais</i> (Coleoptera, Curculionidae). <i>Journal of Stored Products Research</i> , 2013 , 54, 26-33	2.5	27
132	Genotoxicity evaluation of <i>Moringa oleifera</i> seed extract and lectin. <i>Journal of Food Science</i> , 2011 , 76, T53-8	3.4	27
131	Antioxidant, <i>Fusarium</i> growth inhibition and <i>Nasutitermes corniger</i> repellent activities of secondary metabolites from <i>Myracrodruon urundeuva</i> heartwood. <i>International Biodeterioration and Biodegradation</i> , 2009 , 63, 470-477	4.8	26
130	Toxic effects of <i>Microgramma vacciniifolia</i> rhizome lectin on <i>Artemia salina</i> , human cells, and the schistosomiasis vector <i>Biomphalaria glabrata</i> . <i>Acta Tropica</i> , 2014 , 138, 23-7	3.2	25

129	Sitophilus zeamais adults have survival and nutrition affected by Schinus terebinthifolius leaf extract and its lectin (SteLL). <i>Industrial Crops and Products</i> , 2018 , 116, 81-89	5.9	24
128	Portulaca elatior root contains a trehalose-binding lectin with antibacterial and antifungal activities. <i>International Journal of Biological Macromolecules</i> , 2019 , 126, 291-297	7.9	24
127	Evaluation of Toxicity and Antimicrobial Activity of an Ethanolic Extract from Leaves of Morus alba L. (Moraceae). <i>Evidence-based Complementary and Alternative Medicine</i> , 2015 , 2015, 513978	2.3	22
126	Antimicrobial potential of Alpinia purpurata lectin (ApuL): Growth inhibitory action, synergistic effects in combination with antibiotics, and antibiofilm activity. <i>Microbial Pathogenesis</i> , 2018 , 124, 152-162	3.8	21
125	Effect of lectins from Opuntia ficus indica cladodes and Moringa oleifera seeds on survival of Nasutitermes corniger. <i>International Biodeterioration and Biodegradation</i> , 2011 , 65, 982-989	4.8	20
124	Purified Cladonia verticillaris lichen lectin: Insecticidal activity on Nasutitermes corniger (Isoptera: Termitidae). <i>International Biodeterioration and Biodegradation</i> , 2009 , 63, 334-340	4.8	20
123	Purification, characterization and antibacterial potential of a lectin isolated from Apuleia leiocarpa seeds. <i>International Journal of Biological Macromolecules</i> , 2015 , 75, 402-8	7.9	19
122	Moringa oleifera: Resource Management and Multiuse Life Tree. <i>Advances in Research</i> , 2015 , 4, 388-402	0.1	19
121	Cytotoxicity of the coagulant Moringa oleifera lectin (cMoL) to B16-F10 melanoma cells. <i>Toxicology in Vitro</i> , 2017 , 44, 94-99	3.6	18
120	The juicy sarcotesta of Punica granatum 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	5.1	18
119	A Trypsin Inhibitor from Tecoma stans Leaves Inhibits Growth and Promotes ATP Depletion and Lipid Peroxidation in Candida albicans and Candida krusei. <i>Frontiers in Microbiology</i> , 2016 , 7, 611	5.7	17
118	Coagulant Activity of Water-Soluble Moringa oleifera 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	3.2	17
117	Saline extract of Pilosocereus gounellei stem has antinociceptive effect in mice without showing acute toxicity and altering motor coordination. <i>Regulatory Toxicology and Pharmacology</i> , 2018 , 95, 289-297	3.4	16
116	Antimicrobial Activity of Cladonia verticillaris Lichen Preparations on Bacteria and Fungi of Medical Importance. <i>Chinese Journal of Biology</i> , 2014 , 2014, 1-7	2	16
115	Effect of Microgramma vacciniifolia rhizome lectin on survival and digestive enzymes of Nasutitermes corniger (Isoptera, Termitidae). <i>International Biodeterioration and Biodegradation</i> , 2012 , 75, 158-166	4.8	16
114	Biotechnological value of Moringa oleifera seed cake as source of insecticidal lectin against Aedes aegypti. <i>Process Biochemistry</i> , 2016 , 51, 1683-1690	4.8	15
113	Immunomodulatory Effects of the Water-soluble Lectin from Moringa oleifera Seeds (WSMoL) on Human Peripheral Blood Mononuclear Cells (PBMC). <i>Protein and Peptide Letters</i> , 2018 , 25, 295-301	1.9	15
112	Chemical characterization and insecticidal effect against Sitophilus zeamais (maize weevil) of essential oil from Croton rudolphianus leaves. <i>Crop Protection</i> , 2020 , 129, 105043	2.7	15

111	Microgramma vacciniifolia (Polypodiaceae) fronds contain a multifunctional lectin with immunomodulatory properties on human cells. <i>International Journal of Biological Macromolecules</i> , 2017 , 103, 36-46	7.9	14
110	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	2.3	14
109	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, 1837-42	2.4	14
108	Termiticidal lectins from <i>Myracrodruon urundeuva</i> (Anacardiaceae) cause midgut damage when ingested by <i>Nasutitermes corniger</i> (Isoptera: Termitidae) workers. <i>Pest Management Science</i> , 2017 , 73, 991-998	4.6	14
107	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	5	14
106	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	7.9	14
105	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	4.9	13
104	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, 1098-105	3.2	13
103	Essential Oils from Leaves of Medicinal Plants of Brazilian Flora: Chemical Composition and Activity against <i>Candida</i> Species. <i>Medicines (Basel, Switzerland)</i> , 2017 , 4,	4.1	13
102	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	4.7	13
101	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	7.5	12
100	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	8.4	12
99	Evaluation of antimicrobial, cytotoxic, and hemolytic activities from venom of the spider <i>Lasiodora</i> sp. <i>Toxicon</i> , 2016 , 122, 119-126	2.8	12
98	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	7	11
97	Immunostimulatory and antioxidant activities of a lignin isolated from <i>Conocarpus erectus</i> leaves. <i>International Journal of Biological Macromolecules</i> , 2020 , 150, 169-177	7.9	11
96	Screening of Caatinga plants as sources of lectins and trypsin inhibitors. <i>Natural Product Research</i> , 2014 , 28, 1297-301	2.3	11
95	In vitro evaluation of mercury (Hg) effects on biofilm formation by clinical and environmental isolates of <i>Klebsiella pneumoniae</i> . <i>Ecotoxicology and Environmental Safety</i> , 2019 , 169, 669-677	7	11
94	Looking for alternative treatments for bovine and caprine mastitis: Evaluation of the potential of <i>Calliandra surinamensis</i> leaf pinnulae lectin (CasuL), both alone and in combination with antibiotics. <i>MicrobiologyOpen</i> , 2019 , 8, e869	3.4	10

93	A trypsin inhibitor from <i>Moringa oleifera</i> flower extract is cytotoxic to <i>Trypanosoma cruzi</i> with high selectivity over mammalian cells. <i>Natural Product Research</i> , 2018 , 32, 2940-2944	2.3	10
92	Screening of endophytic fungi stored in a culture collection for taxol production. <i>Brazilian Journal of Microbiology</i> , 2018 , 49 Suppl 1, 59-63	2.2	10
91	<i>Conocarpus erectus</i> L., a plant with a high content of structural sugars, ions and phenolic compounds, shows antioxidant and antimicrobial properties promoted by different organic fractions. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2018 , 8, 463	1.4	10
90	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	2.9	10
89	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	2.6	9
88	<i>Punica granatum</i> sarcotesta 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	7.9	9
87	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	2.9	9
86	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	7.9	9
85	Evaluation of cytotoxic, immunomodulatory and antibacterial activities of aqueous extract from leaves of <i>Conocarpus erectus</i> Linnaeus (Combretaceae). <i>Journal of Pharmacy and Pharmacology</i> , 2018 , 70, 1092-1101	4.8	9
84	The first serine protease inhibitor from <i>Lasiadora</i> sp. (Araneae: Theraphosidae) hemocytes. <i>Process Biochemistry</i> , 2011 , 46, 2317-2321	4.8	9
83	Occurrence and Diversity of Intra- and Interhospital Drug-Resistant and Biofilm-Forming and. <i>Microbial Drug Resistance</i> , 2020 , 26, 802-814	2.9	9
82	Impact of stress on <i>Aeromonas</i> diversity in tambaqui (<i>Colossoma macropomum</i>) and lectin level change towards a bacterial challenge. <i>Environmental Technology (United Kingdom)</i> , 2016 , 37, 3030-5	2.6	9
81	<i>Punica granatum</i> sarcotesta 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	7.9	9
80	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	2.5	8
79	<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	4.9	8
78	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	5	7
77	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	4.6	7
76	Electrochemical potential of <i>Microgramma vacciniifolia</i> rhizome lectin. <i>Bioelectrochemistry</i> , 2012 , 85, 56-60	5.6	7

75	Affinity matrices of Cratylia mollis seed lectins for isolation of glycoproteins from complex protein mixtures. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 171, 744-55	3.2	7
74	Evaluating glucose and mannose profiles in Candida species using quantum dots conjugated with Cramoll lectin as fluorescent nanoprobe. <i>Microbiological Research</i> , 2020 , 230, 126330	5.3	7
73	Ovicidal lectins from Moringa oleifera and Myracrodruon urundeuva cause alterations in chorionic surface and penetrate the embryos of Aedes aegypti eggs. <i>Pest Management Science</i> , 2020 , 76, 730-736	4.6	7
72	Purification and characterization of a protease from the visceral mass of Mytella charruana and its evaluation to obtain antimicrobial peptides. <i>Food Chemistry</i> , 2018 , 245, 1169-1175	8.5	7
71	Anti-staphylococcal activity of Syagrus coronata essential oil: Biofilm eradication and in vivo action on Galleria mellonella infection model. <i>Microbial Pathogenesis</i> , 2019 , 131, 150-157	3.8	6
70	Larvicidal Activity of Plant and Algae Extracts, Essential Oils and Isolated Chemical Constituents against Aedes aegypti. <i>Natural Products Journal</i> , 2014 , 3, 268-291	0.6	6
69	Toxicity assessment and antinociceptive activity of an ethanolic extract from Croton blanchetianus (Euphorbiaceae) leaves. <i>South African Journal of Botany</i> , 2020 , 133, 30-39	2.9	6
68	Antitumor activity of Moringa oleifera (drumstick tree) flower trypsin inhibitor (MoFTI) in sarcoma 180-bearing mice. <i>Food and Chemical Toxicology</i> , 2020 , 145, 111691	4.7	6
67	Effect of gamma irradiation of Moringa oleifera seed lectin on its larvicidal, ovicidal, and oviposition-stimulant activities against Aedes aegypti. <i>South African Journal of Botany</i> , 2020 , 129, 3-8	2.9	6
66	Anti-Candida activity of the water-soluble lectin from Moringa oleifera seeds (WSMoL). <i>Journal De Mycologie Medicale</i> , 2021 , 31, 101074	3	6
65	Effects of two protease inhibitors from Bauhinia bauhinoides with different specificity towards gut enzymes of Nasutitermes corniger and its survival. <i>Chemosphere</i> , 2019 , 222, 364-370	8.4	5
64	Saline extract from Malpighia emarginata DC leaves showed higher polyphenol presence, antioxidant and antifungal activity and promoted cell proliferation in mice splenocytes. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019 , 91, e20190916	1.4	5
63	Calliandra surinamensis 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	7.5	5
62	Anacardium occidentale 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, 580-91	3.2	5
61	Limosilactobacillus fermentum Strains with Claimed Probiotic Properties Exert Anti-oxidant and Anti-inflammatory Properties and Prevent Cardiometabolic Disorder in Female Rats Fed a High-Fat Diet. <i>Probiotics and Antimicrobial Proteins</i> , 2021 , 1	5.5	5
60	Kinetic and ecotoxicological evaluation of the direct orange 26 dye degradation by Fenton and solar photo-Fenton processes. <i>Revista Eletrônica Em Gestão Educã E Tecnologia Ambiental</i> , 22 , 5		5
59	Endophytic Microorganisms in Leaves of Moringa oleifera Collected in Three Localities at Pernambuco State, Northeastern Brazil. <i>British Microbiology Research Journal</i> , 2016 , 13, 1-7		5
58	CdTe-GSH as luminescent biomarker for labeling the larvicidal action of WSMoL lectin in Aedes aegypti larvae. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 187, 110672	6	5

57	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	4.9	5
56	Effects of α -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	2.1	4
55	leaf lectin (SteLL) is an immunomodulatory agent by altering cytokine release by mice splenocytes. <i>3 Biotech</i> , 2020 , 10, 144	2.8	4
54	Phytochemical bioprospecting, antioxidant, antimicrobial and cytotoxicity activities of saline extract from <i>Tithonia diversifolia</i> (Hemsl) A. Gray leaves. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2018 , 8, 245	1.4	4
53	Polymorphisms in GSTE2 is associated with temephos resistance in <i>Aedes aegypti</i> . <i>Pesticide Biochemistry and Physiology</i> , 2020 , 165, 104464	4.9	4
52	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	2.9	4
51	<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	2.9	3
50	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	2.5	3
49	Biofilm Formation in <i>Bacillus cereus</i> , <i>B. licheniformis</i> and <i>B. pumilus</i> : An Alternative for Survival in Impacted Environments. <i>International Journal of Sciences</i> , 2017 , 3, 73-78	1.5	3
48	Evaluation of the Cardiac Effects of a Water-Soluble Lectin (Wsmol) from <i>Moringa Oleifera</i> Seeds. <i>Arquivos Brasileiros De Cardiologia</i> , 2020 , 114, 1029-1037	1.2	3
47	Evaluation of <i>Moringa oleifera</i> Seed Lectin as a Metal Remover in Aqueous Solutions. <i>Protein and Peptide Letters</i> , 2016 , 23, 645-9	1.9	3
46	Antinociceptive activity of <i>Schinus terebinthifolia</i> leaf lectin (SteLL) in sarcoma 180-bearing mice. <i>Journal of Ethnopharmacology</i> , 2020 , 259, 112952	5	3
45	Toxicity assessment of saline extract and lectin-rich fraction from <i>Microgramma vacciniifolia</i> rhizome. <i>Toxicon</i> , 2020 , 187, 65-74	2.8	3
44	Advanced oxidation processes employment for the degradation of lamivudine: kinetic assessment, toxicity study and mathematical modeling. <i>Water Quality Research Journal of Canada</i> , 2020 , 55, 249-260	1.7	3
43	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	4.7	3
42	Antibacterial effects of the lectin from pomegranate sarcotesta (PgTeL) against <i>Listeria monocytogenes</i> . <i>Journal of Applied Microbiology</i> , 2021 , 131, 671-681	4.7	3
41	<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	5	3
40	L-asparaginase isolated from <i>Streptomyces ansochromogenes</i> promotes Th1 profile and activates CD8 T cells in human PBMC: an <i>in vitro</i> investigation. <i>Journal of Applied Microbiology</i> , 2018 , 124, 1122-1130	4.7	3

39	Effects of a Mixed Formulation with Claimed Probiotic Properties on Cardiometabolic Variables, Biomarkers of Inflammation and Oxidative Stress in Male Rats Fed a High-Fat Diet. <i>Foods</i> , 2021 , 10,	4.9	3
38	Pectin-like polysaccharide extracted from the leaves of <i>Conocarpus erectus</i> Linnaeus promotes antioxidant, immunomodulatory and prebiotic effects. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2021 , 26, 100263	3.4	3
37	Genotoxicity assessment of saline extract from (Cactaceae) and its chemopreventive effect against cyclophosphamide-induced DNA damage. <i>Heliyon</i> , 2020 , 6, e03811	3.6	2
36	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	7.9	2
35	The effects of <i>Enterolobium 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	4.6	2
34	Isolation and Antimicrobial Activity of Lectin from <i>Schinus terebinthifolius</i> Leaves. <i>Journal of Biotechnology</i> , 2010 , 150, 453-453	3.7	2
33	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	2.9	2
32	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	2.1	2
31	Antimicrobial activity of polypyrrole nanoparticles and aqueous extract of against spp. carriers of multi-drug efflux system genes isolated from dairy farms. <i>Journal of Dairy Research</i> , 2020 , 87, 309-314	1.6	2
30	A Trypsin Inhibitor from Flowers Modulates the Immune Response In Vitro of -Infected Human Cells. <i>Antibiotics</i> , 2020 , 9,	4.9	2
29	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	2.5	2
28	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	1.9	2
27	<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	2.7	2
26	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	3.2	2
25	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	2.9	2
24	Phytochemical analysis and evaluation of the antimicrobial and antioxidant activities of extracts and fractions of Benth. <i>Natural Product Research</i> , 2021 , 35, 2937-2941	2.3	1
23	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	2.9	1
22	<i>Bauhinia monandra</i> leaf lectin (BmoLL) conjugated with quantum dots as fluorescent nanoprobes for biological studies: application to red blood cells. <i>Methods and Applications in Fluorescence</i> , 2020 , 8, 035009	3.1	1

21	Biotechnological Potential of Pine Nuts Extract and the Cysteine Protease Inhibitor AaCl-2S. <i>Plants</i> , 2020 , 9,	4.5	1
20	Degradation of the residual textile mixture cetyltrimethylammonium bromide/remazol yellow gold RNL-150%/reactive blue BF-5G: evaluation photo-peroxidation and photo-Fenton processes in LED and UV-C photoreactors. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 64630-64641	5.1	1
19	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	1.4	1
18	Resistance of maize cultivars to <i>Sitophilus zeamais</i> (Coleoptera: Curculionidae). <i>Arquivos Do Instituto Biologico</i> , 2018 , 85,	1.6	1
17	Purification, Characterization, and Assessment of Antimicrobial Activity and Toxicity of Portulaca elatior Leaf Lectin (PeLL). <i>Probiotics and Antimicrobial Proteins</i> , 2021 , 1	5.5	1
16	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	4.8	1
15	Antibacterial and antitumor activities of a lectin-rich preparation from rhizome.. <i>Current Research in Pharmacology and Drug Discovery</i> , 2022 , 3, 100093	3	1
14	Extract from <i>Opuntia ficus-indica</i> cladode delays the <i>Aedes aegypti</i> larval development by inducing an axenic midgut environment.. <i>Archives of Insect Biochemistry and Physiology</i> , 2022 , e21872	2.3	0
13	Insecticidal activity of the essential oil of <i>Piper corcovadensis</i> leaves and its major compound (1-butyl-3,4-methylenedioxybenzene) against the maize weevil, <i>Sitophilus zeamais</i> . <i>Pest Management Science</i> , 2021 , 78, 1008	4.6	0
12	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	7.9	0
11	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	4.2	0
10	Anticryptococcal activity of hexane extract from <i>Spondias tuberosa</i> Arruda and associated cellular events. <i>Journal De Mycologie Medicale</i> , 2020 , 30, 100965	3	0
9	Microgramma vacciniifolia frond lectin (MvFL) exhibits antitumor activity against sarcoma 180 in mice. <i>Phytomedicine Plus</i> , 2021 , 1, 100013		0
8	Oral administration of essential oil from <i>Psidium glaziovianum</i> Kiaersk leaves alleviates pain and inflammation in mice.. <i>Inflammopharmacology</i> , 2022 , 30, 599	5.1	0
7	Flavonoid-rich fraction from <i>Croton blanchetianus</i> (Euphorbiaceae) leaves exerts peripheral and central analgesic effects by acting via the opioid and cholinergic systems.. <i>Chemistry and Biodiversity</i> , 2022 , e202100853	2.5	
6	Anti-biofilm potential of some plant volatile compounds against <i>Proteus mirabilis</i> . <i>Planta Medica</i> , 2016 , 81, S1-S381	3.1	
5	Chemical and antibacterial analysis of leaves extract and fractions against multidrug resistant bacteria. <i>Natural Product Research</i> , 2021 , 1-6	2.3	
4	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	7.9	

- 3 Insecticidal activity of the ether extract from the lichen *Ramalina complanata* and an isolated metabolite (divaricatic acid) against *Sitophilus zeamais* (Coleoptera, Curculionidae). *Biocatalysis and Agricultural Biotechnology*, **2021**, 35, 102049 4.2
- 2 Flavonoid-rich fraction of *Croton blanchetianus* Baill. (Euphorbiaceae) leaves: Chemical profile, acute and subacute toxicities, genotoxicity and antioxidant potential. *South African Journal of Botany*, **2022**, 144, 238-249 2.9
- 1 leaf lectin damages exochorionic cells and binds to the serosal cuticle of eggs.. *3 Biotech*, **2022**, 12, 109 2.8