

# Benildo Cavada

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/5167985/benildo-cavada-publications-by-citations.pdf>

**Version:** 2024-04-27

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.

282  
papers

5,259  
citations

37  
h-index

49  
g-index

287  
ext. papers

5,701  
ext. citations

3.9  
avg, IF

4.94  
L-index

#	Paper	IF	Citations
282	Revisiting proteus: do minor changes in lectin structure matter in biological activity? Lessons from and potential biotechnological uses of the Diocleinae subtribe lectins. <i>Current Protein and Peptide Science</i> , <b>2001</b> , 2, 123-35	2.8	103
281	Compositional and nutritional attributes of seeds from the multiple purpose tree <i>Moringa oleifera</i> Lamarck. <i>Journal of the Science of Food and Agriculture</i> , <b>1999</b> , 79, 815-820	4.3	98
280	Anti-inflammatory effect of glucose-mannose binding lectins isolated from Brazilian beans. <i>Mediators of Inflammation</i> , <b>1997</b> , 6, 201-10	4.3	77
279	Lectin-induced nitric oxide production. <i>Cellular Immunology</i> , <b>1999</b> , 194, 98-102	4.4	77
278	Binding studies of alpha-GalNAc-specific lectins to the alpha-GalNAc (Tn-antigen) form of porcine submaxillary mucin and its smaller fragments. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 28256-63	5.4	75
277	The crystal structure of <i>Canavalia brasiliensis</i> lectin suggests a correlation between its quaternary conformation and its distinct biological properties from Concanavalin A. <i>FEBS Letters</i> , <b>1997</b> , 405, 114-8	3.8	71
276	Rat paw edema and leukocyte immigration induced by plant lectins. <i>Agents and Actions</i> , <b>1993</b> , 38, 48-54		71
275	Antimicrobial peptide control of pathogenic microorganisms of the oral cavity: a review of the literature. <i>Peptides</i> , <b>2012</b> , 36, 315-21	3.8	69
274	Casbane diterpene as a promising natural antimicrobial agent against biofilm-associated infections. <i>Molecules</i> , <b>2010</b> , 16, 190-201	4.8	65
273	Human lymphocyte stimulation by legume lectins from the Diocleae tribe. <i>Immunological Investigations</i> , <b>1992</b> , 21, 297-303	2.9	62
272	Diocleinae lectins are a group of proteins with conserved binding sites for the core trimannoside of asparagine-linked oligosaccharides and differential specificities for complex carbohydrates. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 12082-8	5.4	61
271	Leguminous lectins as tools for studying the role of sugar residues in leukocyte recruitment. <i>Mediators of Inflammation</i> , <b>1999</b> , 8, 107-13	4.3	58
270	Purification and characterization of a lectin from seeds of <i>Vatairea macrocarpa</i> Duke. <i>Phytochemistry</i> , <b>1998</b> , 49, 675-80	4	56
269	Purification and biological effects of <i>Araucaria angustifolia</i> (Araucariaceae) seed lectin. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 350, 1050-5	3.4	56
268	Molecular characterization and crystallization of Diocleinae lectins. <i>BBA - Proteins and Proteomics</i> , <b>1999</b> , 1430, 367-75		56
267	Ultrasound processing to enhance drying of cashew apple bagasse puree: Influence on antioxidant properties and in vitro bioaccessibility of bioactive compounds. <i>Ultrasonics Sonochemistry</i> , <b>2016</b> , 31, 237-49	8.9	54
266	Structure of a lectin from <i>Canavalia gladiata</i> seeds: new structural insights for old molecules. <i>BMC Structural Biology</i> , <b>2007</b> , 7, 52	2.7	52

265	Vasodilator effects of Diocleinae lectins from the Canavalia genus. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2009</b> , 380, 509-21	3.4	50
264	Antinociceptive and anti-inflammatory effects of a mucin-binding agglutinin isolated from the red marine alga <i>Hypnea cervicornis</i> . <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2008</b> , 377, 139-48	3.4	50
263	Antidepressant-like effect of lectin from <i>Canavalia brasiliensis</i> (ConBr) administered centrally in mice. <i>Pharmacology Biochemistry and Behavior</i> , <b>2006</b> , 85, 160-9	3.9	49
262	The galactose-binding lectin from <i>Vatairea macrocarpa</i> seeds induces in vivo neutrophil migration by indirect mechanism. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2003</b> , 35, 1674-81	5.6	48
261	Histamine release induced by glucose (mannose)-specific lectins isolated from Brazilian beans. Comparison with concanavalin A. <i>Agents and Actions</i> , <b>1994</b> , 41, 132-5		48
260	Plant lectins, chemical and biological aspects. <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>1991</b> , 86 Suppl 2, 211-86		48
259	Potential of KM+ lectin in immunization against <i>Leishmania amazonensis</i> infection. <i>Vaccine</i> , <b>2006</b> , 24, 3001-8	4.1	46
258	In vivo lymphocyte activation and apoptosis by lectins of the Diocleinae subtribe. <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>2001</b> , 96, 673-8	2.6	46
257	An overview of lectins purification strategies. <i>Journal of Molecular Recognition</i> , <b>2012</b> , 25, 527-41	2.6	45
256	Biological effects of a sulfated-polysaccharide isolated from the marine red algae <i>Champia feldmannii</i> . <i>Biological and Pharmaceutical Bulletin</i> , <b>2008</b> , 31, 691-5	2.3	44
255	Explaining statin inhibition effectiveness of HMG-CoA reductase by quantum biochemistry computations. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 1389-98	3.6	43
254	Native crystal structure of a nitric oxide-releasing lectin from the seeds of <i>Canavalia maritima</i> . <i>Journal of Structural Biology</i> , <b>2005</b> , 152, 185-94	3.4	43
253	Porcine spermadhesin PSP-I/PSP-II stimulates macrophages to release a neutrophil chemotactic substance: modulation by mast cells. <i>Biology of Reproduction</i> , <b>2003</b> , 68, 1836-41	3.9	43
252	Crystal structure of native and Cd/Cd-substituted <i>Dioclea guianensis</i> seed lectin. A novel manganese-binding site and structural basis of dimer-tetramer association. <i>Journal of Molecular Biology</i> , <b>2001</b> , 310, 885-94	6.5	43
251	<i>Lonchocarpus sericeus</i> lectin decreases leukocyte migration and mechanical hypernociception by inhibiting cytokine and chemokines production. <i>International Immunopharmacology</i> , <b>2007</b> , 7, 824-35	5.8	42
250	Antimicrobial and antibiofilm action of Casbane Diterpene from <i>Croton nepetaefolius</i> against oral bacteria. <i>Archives of Oral Biology</i> , <b>2012</b> , 57, 550-5	2.8	41
249	HCA and HML isolated from the red marine algae <i>Hypnea cervicornis</i> and <i>Hypnea musciformis</i> define a novel lectin family. <i>Protein Science</i> , <b>2005</b> , 14, 2167-76	6.3	40
248	The amino-acid sequence of the glucose/mannose-specific lectin isolated from <i>Parkia platycephala</i> seeds reveals three tandemly arranged jacalin-related domains. <i>FEBS Journal</i> , <b>2001</b> , 268, 4414-22		40

247	PURIFICATION AND PARTIAL CHARACTERIZATION OF A LECTIN FROM THE SEEDS OF DIOCLEA GUIANENSIS1. <i>Journal of Food Biochemistry</i> , <b>1991</b> , 15, 137-154	3.3	38
246	Anti-inflammatory and antimicrobial effect of lectin from Lonchocarpus sericeus seeds in an experimental rat model of infectious peritonitis. <i>Journal of Pharmacy and Pharmacology</i> , <b>2005</b> , 57, 919-224.8	4.8	37
245	Structural analysis of Canavalia maritima and Canavalia gladiata lectins complexed with different dimannosides: new insights into the understanding of the structure-biological activity relationship in legume lectins. <i>Journal of Structural Biology</i> , <b>2007</b> , 160, 168-76	3.4	37
244	The amino acid sequence of the agglutinin isolated from the red marine alga Bryothamnion triquetrum defines a novel lectin structure. <i>Cellular and Molecular Life Sciences</i> , <b>2000</b> , 57, 343-50	10.3	37
243	Structural basis for both pro- and anti-inflammatory response induced by mannose-specific legume lectin from Cymbosema roseum. <i>Biochimie</i> , <b>2011</b> , 93, 806-16	4.6	36
242	In vitro inhibition of oral streptococci binding to the acquired pellicle by algal lectins. <i>Journal of Applied Microbiology</i> , <b>2007</b> , 103, 1001-6	4.7	36
241	In vivo anti-inflammatory effect of a sulfated polysaccharide isolated from the marine brown algae Lobophora variegata. <i>Pharmaceutical Biology</i> , <b>2011</b> , 49, 167-74	3.8	34
240	Larvicidal activity of lectins from Myracrodruon urundeuva on Aedes aegypti. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2009</b> , 149, 300-6	3.2	34
239	Antimicrobial activity of the synthetic peptide Lys-a1 against oral streptococci. <i>Peptides</i> , <b>2013</b> , 42, 78-83	3.8	33
238	Crystal structure of a lectin from Canavalia maritima (ConM) in complex with trehalose and maltose reveals relevant mutation in ConA-like lectins. <i>Journal of Structural Biology</i> , <b>2006</b> , 154, 280-6	3.4	33
237	Spermadhesin PSP-I/PSP-II heterodimer and its isolated subunits induced neutrophil migration into the peritoneal cavity of rats. <i>Biology of Reproduction</i> , <b>2002</b> , 67, 1796-803	3.9	33
236	Lectin extracted from Canavalia grandiflora seeds presents potential anti-inflammatory and analgesic effects. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2009</b> , 379, 609-16	3.4	32
235	Isolation and partial characterisation of highly toxic lectins from Abrus pulchellus seeds. <i>Toxicon</i> , <b>1998</b> , 36, 477-84	2.8	32
234	Optical absorption and electronic band structure first-principles calculations of $\beta$ -glycine crystals. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	32
233	In vitro inhibition of Streptococci binding to enamel acquired pellicle by plant lectins. <i>Journal of Applied Microbiology</i> , <b>2006</b> , 101, 111-6	4.7	32
232	Isolation and characterization of Dioclea altissima var. megacarpa seed lectin. <i>Phytochemistry</i> , <b>1997</b> , 46, 139-144	4	31
231	Purification and molecular cloning of a new galactose-specific lectin from Bauhinia variegata seeds. <i>Journal of Biosciences</i> , <b>2008</b> , 33, 355-63	2.3	31
230	Vatairea macrocarpa lectin induces paw edema with leukocyte infiltration. <i>Protein and Peptide Letters</i> , <b>2004</b> , 11, 195-200	1.9	31

229	Structural analysis of ConBr reveals molecular correlation between the carbohydrate recognition domain and endothelial NO synthase activation. <i>Biochemical and Biophysical Research Communications</i> , <b>2011</b> , 408, 566-70	3.4	30
228	The first crystal structure of a Mimosoideae lectin reveals a novel quaternary arrangement of a widespread domain. <i>Journal of Molecular Biology</i> , <b>2005</b> , 353, 574-83	6.5	30
227	Thermodynamic binding studies of lectins from the diocleinae subtribe to deoxy analogs of the core trimannoside of asparagine-linked oligosaccharides. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 16119-26	5.4	30
226	In vivo protective effect of the lectin from <i>Canavalia brasiliensis</i> on BALB/c mice infected by <i>Leishmania amazonensis</i> . <i>Acta Tropica</i> , <b>1996</b> , 60, 237-50	3.2	29
225	ConA-Like Lectins: High Similarity Proteins as Models to Study Structure/Biological Activities Relationships. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 20,	6.3	28
224	Partition of lectin from <i>Canavalia grandiflora</i> Benth in aqueous two-phase systems using factorial design. <i>Biochemical Engineering Journal</i> , <b>2011</b> , 53, 165-171	4.2	28
223	Modulation of acute inflammation by a chitin-binding lectin from <i>Araucaria angustifolia</i> seeds via mast cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2006</b> , 374, 1-10	3.4	28
222	Crystal structures of <i>Cratylia floribunda</i> seed lectin at acidic and basic pHs. Insights into the structural basis of the pH-dependent dimer-tetramer transition. <i>Journal of Structural Biology</i> , <b>2007</b> , 158, 1-9	3.4	28
221	Pharmacological analysis of the neutrophil migration induced by <i>D. rostrata</i> lectin: involvement of cytokines and nitric oxide. <i>Toxicon</i> , <b>2009</b> , 54, 736-44	2.8	27
220	Identification of a new quaternary association for legume lectins. <i>Journal of Structural Biology</i> , <b>2008</b> , 161, 133-43	3.4	27
219	Insights into the structural basis of the pH-dependent dimer-tetramer equilibrium through crystallographic analysis of recombinant Diocleinae lectins. <i>Biochemical Journal</i> , <b>2008</b> , 409, 417-28	3.8	27
218	Effect of algae and plant lectins on planktonic growth and biofilm formation in clinically relevant bacteria and yeasts. <i>BioMed Research International</i> , <b>2014</b> , 2014, 365272	3	26
217	Toxicity of some glucose/mannose-binding lectins to <i>Biomphalaria glabrata</i> and <i>Artemia salina</i> . <i>Bioresource Technology</i> , <b>2010</b> , 101, 794-8	11	26
216	Characteristics of the histamine release from hamster cheek pouch mast cells stimulated by lectins from Brazilian beans and concanavalin A. <i>Inflammation Research</i> , <b>1996</b> , 45, 442-7	7.2	26
215	Crystal structure of <i>Dioclea violacea</i> lectin and a comparative study of vasorelaxant properties with <i>Dioclea rostrata</i> lectin. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2013</b> , 45, 807-15	5.6	25
214	Characterization of isoforms of the lectin isolated from the red algae <i>Bryothamnion seaforthii</i> and its pro-healing effect. <i>Marine Drugs</i> , <b>2012</b> , 10, 1936-54	6	25
213	Molecular cloning and characterization of ConBr, the lectin of <i>Canavalia brasiliensis</i> seeds. <i>FEBS Journal</i> , <b>1997</b> , 248, 43-8		25
212	Crotacetin, a novel snake venom C-type lectin homolog of convulxin, exhibits an unpredictable antimicrobial activity. <i>Cell Biochemistry and Biophysics</i> , <b>2006</b> , 44, 412-23	3.2	25

211	Structural analysis of <i>Centrolobium tomentosum</i> seed lectin with inflammatory activity. <i>Archives of Biochemistry and Biophysics</i> , <b>2016</b> , 596, 73-83	4.1	24
210	Complete genome sequence of <i>Burkholderia phenoliruptrix</i> BR3459a (CLA1), a heat-tolerant, nitrogen-fixing symbiont of <i>Mimosa flocculosa</i> . <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 6675-6	3.5	24
209	Crystal structure of <i>Dioclea rostrata</i> lectin: insights into understanding the pH-dependent dimer-tetramer equilibrium and the structural basis for carbohydrate recognition in Diocleinae lectins. <i>Journal of Structural Biology</i> , <b>2008</b> , 164, 177-82	3.4	24
208	cDNA cloning and 1.75 Å crystal structure determination of PPL2, an endochitinase and N-acetylglucosamine-binding hemagglutinin from <i>Parkia platycephala</i> seeds. <i>FEBS Journal</i> , <b>2006</b> , 273, 3962-74	5.7	24
207	Differential effect of plant lectins on mast cells of different origins. <i>Brazilian Journal of Medical and Biological Research</i> , <b>2005</b> , 38, 935-41	2.8	24
206	Antidepressant-like effect of <i>Canavalia brasiliensis</i> (ConBr) lectin in mice: evidence for the involvement of the glutamatergic system. <i>Pharmacology Biochemistry and Behavior</i> , <b>2014</b> , 122, 53-60	3.9	23
205	BUL: A novel lectin from <i>Bauhinia unguolata</i> L. seeds with fungistatic and antiproliferative activities. <i>Process Biochemistry</i> , <b>2014</b> , 49, 203-209	4.8	23
204	Purification and partial characterization of a new pro-inflammatory lectin from <i>Bauhinia bauhinioides</i> Mart (Caesalpinoideae) seeds. <i>Protein and Peptide Letters</i> , <b>2011</b> , 18, 396-402	1.9	23
203	Prevention of cyclophosphamide-induced hemorrhagic cystitis by glucose-mannose binding plant lectins. <i>Journal of Urology</i> , <b>1999</b> , 161, 1988-93	2.5	23
202	Structural studies of a vasorelaxant lectin from <i>Dioclea reflexa</i> Hook seeds: Crystal structure, molecular docking and dynamics. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 98, 12-23	7.9	22
201	H-3, a new lectin from the marine sponge <i>Haliclona caerulea</i> : purification and mass spectrometric characterization. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2013</b> , 45, 2864-73	5.6	22
200	High-resolution structure of a new Tn antigen-binding lectin from <i>Vatairea macrocarpa</i> and a comparative analysis of Tn-binding legume lectins. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2015</b> , 59, 103-10	5.6	22
199	Antinociceptive and anti-inflammatory effects of a lectin-like substance from <i>Clitoria fairchildiana</i> R. Howard seeds. <i>Molecules</i> , <b>2012</b> , 17, 3277-90	4.8	22
198	<i>Vatairea macrocarpa</i> (Leguminosae) lectin activates cultured macrophages to release chemotactic mediators. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2007</b> , 374, 275-82	3.4	22
197	Pro-inflammatory effect of <i>Arum maculatum</i> lectin and role of resident cells. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2005</b> , 37, 1805-14	5.6	22
196	Purification and characterization of a new lectin from the red marine alga <i>Hypnea musciformis</i> . <i>Protein and Peptide Letters</i> , <b>2002</b> , 9, 159-66	1.9	22
195	Structure of <i>Dioclea virgata</i> lectin: Relations between carbohydrate binding site and nitric oxide production. <i>Biochimie</i> , <b>2012</b> , 94, 900-6	4.6	21
194	Opioid-like antinociceptive effects of oral administration of a lectin purified from the seeds of <i>Canavalia brasiliensis</i> . <i>Fundamental and Clinical Pharmacology</i> , <b>2013</b> , 27, 201-9	3.1	21

193	A lectin from <i>Platypodium elegans</i> with unusual specificity and affinity for asymmetric complex N-glycans. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 26352-64	5.4	21
192	Adsorption of ascorbic acid on the C60 fullerene. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 14267-72	3.4	21
191	Effect of lectins from Diocleinae subtribe against oral Streptococci. <i>Molecules</i> , <b>2011</b> , 16, 3530-43	4.8	20
190	Isolation and characterization of a new agglutinin from the red marine alga <i>Hypnea cervicornis</i> J. Agardh. <i>Biochemistry and Cell Biology</i> , <b>2006</b> , 84, 49-54	3.6	20
189	ConBr, a lectin from <i>Canavalia brasiliensis</i> seeds, protects against quinolinic acid-induced seizures in mice. <i>Neurochemical Research</i> , <b>2012</b> , 37, 288-97	4.6	19
188	The potent anti-cancer activity of <i>Dioclea lasiocarpa</i> lectin. <i>Journal of Inorganic Biochemistry</i> , <b>2017</b> , 175, 179-189	4.2	19
187	Inactivation of ovine cyclooxygenase-1 by bromoaspirin and aspirin: a quantum chemistry description. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 3270-9	3.4	19
186	Interactions between indole-3-acetic acid (IAA) with a lectin from <i>Canavalia maritima</i> seeds reveal a new function for lectins in plant physiology. <i>Biochimie</i> , <b>2013</b> , 95, 1697-703	4.6	19
185	Cloning and molecular modeling of <i>Litopenaeus vannamei</i> (Penaeidae) C-type lectin homologs with mutated mannose binding domain-2. <i>Genetics and Molecular Research</i> , <b>2011</b> , 10, 650-64	1.2	19
184	Agglutinin isolated from the red marine alga <i>Hypnea cervicornis</i> J. Agardh reduces inflammatory hypernociception: involvement of nitric oxide. <i>Pharmacology Biochemistry and Behavior</i> , <b>2010</b> , 96, 371-7	3.9	19
183	Structural studies of an anti-inflammatory lectin from <i>Canavalia boliviana</i> seeds in complex with dimannosides. <i>PLoS ONE</i> , <b>2014</b> , 9, e97015	3.7	19
182	Purification, partial characterization, and CNBr-sepharose immobilization of a vasorelaxant glucose/mannose lectin from <i>Canavalia virosa</i> seeds. <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 172, 3342-53	3.2	18
181	Structural characterization of a lectin from <i>Canavalia virosa</i> seeds with inflammatory and cytotoxic activities. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 94, 271-282	7.9	18
180	Crystal structure of a pro-inflammatory lectin from the seeds of <i>Dioclea wilsonii</i> Standl. <i>Biochimie</i> , <b>2012</b> , 94, 525-32	4.6	18
179	Purification and primary structure of a mannose/glucose-binding lectin from <i>Parkia biglobosa</i> Jacq. seeds with antinociceptive and anti-inflammatory properties. <i>Journal of Molecular Recognition</i> , <b>2013</b> , 26, 470-8	2.6	18
178	Crystal structure of Bn IV in complex with myristic acid: a Lys49 myotoxic phospholipase AII from <i>Bothrops neuwiedi</i> venom. <i>Biochimie</i> , <b>2011</b> , 93, 513-8	4.6	18
177	Molecular characterization and tandem mass spectrometry of the lectin extracted from the seeds of <i>Dioclea sclerocarpa</i> Ducke. <i>Molecules</i> , <b>2011</b> , 16, 9077-89	4.8	18
176	Crystallization and characterization of an inflammatory lectin purified from the seeds of <i>Dioclea wilsonii</i> . <i>Molecules</i> , <b>2011</b> , 16, 5087-103	4.8	18

175	Antinociceptive activity and toxicology of the lectin from <i>Canavalia boliviana</i> seeds in mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2009</b> , 380, 407-14	3.4	18
174	Central action of <i>Araucaria angustifolia</i> seed lectin in mice. <i>Epilepsy and Behavior</i> , <b>2009</b> , 15, 291-3	3.2	18
173	Molecular Signature in the Photoluminescence of Glycine, L-Alanine and L-Asparagine Crystals: Detection, ab initio Calculations, and Bio-sensor Applications. <i>AIP Conference Proceedings</i> , <b>2005</b> ,	0	18
172	Coal fly ash ceramics: preparation, characterization, and use in the hydrolysis of sucrose. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 154651	2.2	17
171	Purification and primary structure determination of a galactose-specific lectin from <i>Vatairea guianensis</i> Aublet seeds that exhibits vasorelaxant effect. <i>Process Biochemistry</i> , <b>2012</b> , 47, 2347-2355	4.8	17
170	Crystal structure of DlyL, a mannose-specific lectin from <i>Dioclea lasiophylla</i> Mart. Ex Benth seeds that display cytotoxic effects against C6 glioma cells. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 114, 64-76	7.9	16
169	A novel N-acetyl-glucosamine lectin of <i>Lonchocarpus araripensis</i> attenuates acute cellular inflammation in mice. <i>Inflammation Research</i> , <b>2016</b> , 65, 43-52	7.2	16
168	Halilectin 1 (H-1) and Halilectin 2 (H-2): two new lectins isolated from the marine sponge <i>Haliclona caerulea</i> . <i>Journal of Molecular Recognition</i> , <b>2013</b> , 26, 51-8	2.6	16
167	Purification and biological activities of <i>Abelmoschus esculentus</i> seed lectin. <i>Protein Journal</i> , <b>2012</b> , 31, 674-80	3.9	16
166	Purification, partial characterization and immobilization of a mannose-specific lectin from seeds of <i>Dioclea lasiophylla</i> mart. <i>Molecules</i> , <b>2013</b> , 18, 10857-69	4.8	16
165	Umbelliferone induces changes in the structure and pharmacological activities of Bn IV, a phospholipase A(2) isoform isolated from <i>Bothriopsis theuwiedi</i> . <i>Toxicon</i> , <b>2011</b> , 57, 851-60	2.8	16
164	Buck ( <i>Capra hircus</i> ) genes encode new members of the spermadhesin family. <i>Molecular Reproduction and Development</i> , <b>2008</b> , 75, 8-16	2.6	16
163	Purification and partial characterization of a lectin from <i>Canavalia grandiflora</i> benth. seeds. <i>Protein and Peptide Letters</i> , <b>2002</b> , 9, 67-73	1.9	16
162	One century of ConA and 40 years of ConBr research: A structural review. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 134, 901-911	7.9	15
161	Purification and primary structure of a novel mannose-specific lectin from <i>Centrolobium microchaete</i> Mart seeds. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 81, 600-7	7.9	15
160	Anti-glioma properties of DVL, a lectin purified from <i>Dioclea violacea</i> . <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 120, 566-577	7.9	15
159	Vasorelaxant activity of <i>Canavalia grandiflora</i> seed lectin: A structural analysis. <i>Archives of Biochemistry and Biophysics</i> , <b>2014</b> , 543, 31-9	4.1	15
158	Holothuria grisea agglutinin (HGA): the first invertebrate lectin with anti-inflammatory effects. <i>Fundamental and Clinical Pharmacology</i> , <b>2013</b> , 27, 656-68	3.1	15



157	Contribution of the carbohydrate-binding ability of Vatairea guianensis lectin to induce edematogenic activity. <i>Biochimie</i> , <b>2017</b> , 140, 58-65	4.6	15
156	Purification and characterization of a mannose/N-acetyl-D-glucosamine-specific lectin from the seeds of Platymiscium floribundum Vogel. <i>Journal of Molecular Recognition</i> , <b>2012</b> , 25, 443-9	2.6	15
155	Inhibition of initial adhesion of oral bacteria through a lectin from Bauhinia variegata L. var. variegata expressed in Escherichia coli. <i>Journal of Applied Microbiology</i> , <b>2013</b> , 115, 1222-30	4.7	15
154	Effect of the lectin of Bauhinia variegata and its recombinant isoform on surgically induced skin wounds in a murine model. <i>Molecules</i> , <b>2011</b> , 16, 9298-315	4.8	15
153	Liquid-Liquid Equilibrium Data for Aqueous Two-Phase Systems Composed of Ethylene Oxide Propylene Oxide Copolymers. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 190-194	2.8	15
152	Modulation of the pharmacological effects of enzymatically-active PLA2 by BTL-2, an isolectin isolated from the Bryothamnion triquetrum red alga. <i>BMC Biochemistry</i> , <b>2008</b> , 9, 16	4.8	15
151	The carbohydrate-binding specificity and molecular modelling of Canavalia maritima and Dioclea grandiflora lectins. <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>1996</b> , 91, 761-6	2.6	15
150	Canavalia bonariensis lectin: Molecular bases of glycoconjugates interaction and antiglioma potential. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 106, 369-378	7.9	15
149	Algal lectin binding to core (4-6) fucosylated N-glycans: structural basis for specificity and production of recombinant protein. <i>Glycobiology</i> , <b>2015</b> , 25, 607-16	5.8	14
148	HGA-2, a novel galactoside-binding lectin from the sea cucumber Holothuria grisea binds to bacterial cells. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 64, 435-42	7.9	14
147	Antiproliferative effect of Canavalia brasiliensis lectin on B16F10 cells. <i>Research in Veterinary Science</i> , <b>2014</b> , 96, 276-82	2.5	14
146	Antioxidant potential and cytotoxic activity of two red seaweed species, Amansia multifida and Meristiella echinocarpa, from the coast of Northeastern Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2014</b> , 86, 251-63	1.4	14
145	Lectin from Canavalia brasiliensis (ConBr) protects hippocampal slices against glutamate neurotoxicity in a manner dependent of PI3K/Akt pathway. <i>Neurochemistry International</i> , <b>2013</b> , 62, 836-42	4.4	14
144	Vatairea macrocarpa lectin (VML) induces depressive-like behavior and expression of neuroinflammatory markers in mice. <i>Neurochemical Research</i> , <b>2013</b> , 38, 2375-84	4.6	14
143	Lectins from the Red Marine Algal Species Bryothamnion seaforthii and Bryothamnion triquetrum as Tools to Differentiate Human Colon Carcinoma Cells. <i>Advances in Pharmacological Sciences</i> , <b>2009</b> , 2009, 862162	4.9	14
142	Antinociceptive activity of lectins from Diocleinae seeds on acetic acid-induced writhing test in mice. <i>Protein and Peptide Letters</i> , <b>2009</b> , 16, 1088-92	1.9	14
141	Potential immunomodulatory effects of plant lectins in Schistosoma mansoni infection. <i>Acta Tropica</i> , <b>2008</b> , 108, 160-5	3.2	14
140	Purification, chemical, and immunochemical properties of a new lectin from Mimosoideae (Parkia discolor). <i>Preparative Biochemistry and Biotechnology</i> , <b>2000</b> , 30, 271-80	2.4	14

139	Potent antiviral activity of carbohydrate-specific algal and leguminous lectins from the Brazilian biodiversity. <i>MedChemComm</i> , <b>2019</b> , 10, 390-398	5	13
138	Structural analysis of a Dioclea sclerocarpa lectin: Study on the vasorelaxant properties of Dioclea lectins. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 82, 464-70	7.9	13
137	Mannose-specific legume lectin from the seeds of Dolichos lablab (FRIL) stimulates inflammatory and hypernociceptive processes in mice. <i>Process Biochemistry</i> , <b>2014</b> , 49, 529-534	4.8	13
136	Mass spectrometry and X-ray diffraction analysis of two crystal types of Dioclea virgata lectin: an antinociceptive protein candidate to structure/function analysis. <i>Applied Biochemistry and Biotechnology</i> , <b>2011</b> , 164, 741-54	3.2	13
135	Purification of a PHA-like chitin-binding protein from Acacia farnesiana seeds: a time-dependent oligomerization protein. <i>Applied Biochemistry and Biotechnology</i> , <b>2008</b> , 150, 97-111	3.2	13
134	Demonstration of a conserved histidine and two water ligands at the Mn <sup>2+</sup> site in Diocleinae lectins by pulsed EPR spectroscopy. <i>Biochemistry</i> , <b>2000</b> , 39, 2340-6	3.2	13
133	Canatoxin-, concanavalin A- and canavalin-cross-reactive materials during maturation of Canavalia brasiliensis (Mart.) seeds. <i>Planta</i> , <b>1993</b> , 189, 397-402	4.7	13
132	Partial characterization and immobilization in CNBr-activated Sepharose of a native lectin from Platypodium elegans seeds (PELa) and comparative study of edematogenic effect with the recombinant form. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 102, 323-330	7.9	12
131	Purification of a thermostable antinociceptive lectin isolated from Andira anthelmia. <i>Journal of Molecular Recognition</i> , <b>2016</b> , 29, 248-52	2.6	12
130	Purification, characterization and partial sequence of a pro-inflammatory lectin from seeds of Canavalia oxyphylla Standl. & L. O. Williams. <i>Journal of Molecular Recognition</i> , <b>2014</b> , 27, 117-23	2.6	12
129	Antifungal activity of lectins against yeast of vaginal secretion. <i>Brazilian Journal of Microbiology</i> , <b>2012</b> , 43, 770-8	2.2	12
128	Red marine alga Bryothamnion triquetrum lectin induces endothelium-dependent relaxation of the rat aorta via release of nitric oxide. <i>Journal of Pharmacy and Pharmacology</i> , <b>2004</b> , 56, 1415-21	4.8	12
127	Lectin of Pisum arvense seeds induces in-vivo and in-vitro neutrophil migration. <i>Journal of Pharmacy and Pharmacology</i> , <b>2005</b> , 57, 375-81	4.8	12
126	Identification of lamivudine conformers by Raman scattering measurements and quantum chemical calculations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2007</b> , 43, 1885-9	3.5	12
125	Expression and purification of the recombinant ConBr (Canavalia brasiliensis lectin) produced in Escherichia coli cells. <i>Protein and Peptide Letters</i> , <b>2002</b> , 9, 59-66	1.9	12
124	Energetics of 5-bromo-4-chloro-3-indolyl-alpha-D-mannose binding to the Parkia platycephala seed lectin and its use for MAD phasing. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2005</b> , 61, 326-31		12
123	Dalbergieae lectins: A review of lectins from species of a primitive Papilionoideae (leguminous) tribe. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 144, 509-526	7.9	12
122	Lectin purified from Lonchocarpus campestris seeds inhibits inflammatory nociception. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 125, 53-60	7.9	12

121	Lectin from Dioclea violacea induces autophagy in U87 glioma cells. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 134, 660-672	7.9	11
120	Structural characterization of a Vatairea macrocarpa lectin in complex with a tumor-associated antigen: A new tool for cancer research. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2016</b> , 72, 27-39	5.6	11
119	Effects of a lectin-like protein isolated from Acacia farnesiana seeds on phytopathogenic bacterial strains and root-knot nematode. <i>Pesticide Biochemistry and Physiology</i> , <b>2012</b> , 103, 15-22	4.9	11
118	An ab initio explanation of the activation and antagonism strength of an AMPA-sensitive glutamate receptor. <i>RSC Advances</i> , <b>2013</b> , 3, 14988	3.7	11
117	Antimicrobial effect of the triterpene 3 $\beta$ ,16 $\beta$ -dihydroxylup-20(29)-ene on planktonic cells and biofilms from Gram positive and Gram negative bacteria. <i>BioMed Research International</i> , <b>2014</b> , 2014, 729358	3	11
116	Effect of a casbane diterpene isolated from Croton nepetaefolius on the prevention and control of biofilms formed by bacteria and Candida species. <i>Industrial Crops and Products</i> , <b>2014</b> , 61, 499-509	5.9	11
115	Purification and partial characterization of a novel lectin from Dioclea lasiocarpa Mart seeds with vasodilator effects. <i>Journal of Molecular Recognition</i> , <b>2012</b> , 25, 657-64	2.6	11
114	Lectin from Canavalia brasiliensis seeds (ConBr) is a valuable biotechnological tool to stimulate the growth of Rhizobium tropici in vitro. <i>Molecules</i> , <b>2012</b> , 17, 5244-54	4.8	11
113	Protein crystal content analysis by mass spectrometry and preliminary X-ray diffraction of a lectin from Canavalia grandiflora seeds with modulatory role in inflammation. <i>Rapid Communications in Mass Spectrometry</i> , <b>2012</b> , 26, 811-8	2.2	11
112	Partitioning of Canavalia brasiliensis Lectin in Polyethylene Glycol Sodium Citrate Aqueous Two-Phase Systems. <i>Separation Science and Technology</i> , <b>2010</b> , 45, 2180-2186	2.5	11
111	Correlation between Enterococcus faecalis biofilms development stage and quantitative surface roughness using atomic force microscopy. <i>Microscopy and Microanalysis</i> , <b>2008</b> , 14, 150-8	0.5	11
110	Crystallization and preliminary X-ray diffraction analysis of the lectin from Canavalia gladiata seeds. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2004</b> , 60, 1493-5		11
109	Renal alterations promoted by the lectins from Canavalia ensiformis (ConA) and Dioclea guianensis (Dguil) seeds. <i>Protein and Peptide Letters</i> , <b>2003</b> , 10, 191-7	1.9	11
108	Dioclea violacea lectin ameliorates inflammation in the temporomandibular joint of rats by suppressing intercellular adhesion molecule-1 expression. <i>Biochimie</i> , <b>2019</b> , 158, 34-42	4.6	11
107	Molecular modeling, docking and dynamics simulations of the Dioclea lasiophylla Mart. Ex Benth seed lectin: An edematogenic and hypernociceptive protein. <i>Biochimie</i> , <b>2017</b> , 135, 126-136	4.6	10
106	CRLI induces vascular smooth muscle relaxation and suggests a dual mechanism of eNOS activation by legume lectins via muscarinic receptors and shear stress. <i>Archives of Biochemistry and Biophysics</i> , <b>2015</b> , 565, 32-9	4.1	10
105	Lectins from Parkia biglobosa and Parkia platycephala: A comparative study of structure and biological effects. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 92, 194-201	7.9	10
104	Effects of Canavalia lectins on acute inflammation in sensitized and non-sensitized rats. <i>Inflammation</i> , <b>2013</b> , 36, 713-22	5.1	10

103	Purification, characterization, and preliminary X-ray diffraction analysis of a lactose-specific lectin from <i>Cymbosema roseum</i> seeds. <i>Applied Biochemistry and Biotechnology</i> , <b>2009</b> , 152, 383-93	3.2	10
102	Interaction of Diocleinae lectins with glycoproteins based in surface plasmon resonance. <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>2002</b> , 97, 275-9	2.6	10
101	Differences in macrophage stimulation and leukocyte accumulation in response to intraperitoneal administration of glucose/mannose-binding plant lectins. <i>Brazilian Journal of Medical and Biological Research</i> , <b>1992</b> , 25, 823-6	2.8	10
100	Purification and molecular characterization of a novel mannose-specific lectin from <i>Dioclea reflexa</i> hook seeds with inflammatory activity. <i>Journal of Molecular Recognition</i> , <b>2016</b> , 29, 134-41	2.6	10
99	Structural analysis, molecular docking and molecular dynamics of an edematogenic lectin from <i>Centrolobium microchaete</i> seeds. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 117, 124-133	7.9	10
98	Structural analysis of <i>Dioclea lasiocarpa</i> lectin: A C6 cells apoptosis-inducing protein. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2017</b> , 92, 79-89	5.6	9
97	L-Rhamnose-binding lectin from eggs of the <i>Echinometra lucunter</i> : Amino acid sequence and molecular modeling. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 78, 180-8	7.9	9
96	Reviewing Mimosoideae lectins: A group of under explored legume lectins. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 154, 159-165	7.9	9
95	Anti-inflammatory and antinociceptive activity of chitin-binding lectin from <i>Canna limbata</i> seeds. <i>Applied Biochemistry and Biotechnology</i> , <b>2013</b> , 171, 1944-55	3.2	9
94	Neutrophil-infiltrated paw edema induced by mannose-binding <i>Dioclea violacea</i> lectin. <i>Pharmacological Reports</i> , <b>2013</b> , 65, 220-5	3.9	9
93	Toxicity and binding profile of lectins from the Genus <i>canavalia</i> on brine shrimp. <i>BioMed Research International</i> , <b>2013</b> , 2013, 154542	3	9
92	Characterization of the sugar-binding specificity of the toxic lectins isolated from <i>Abrus pulchellus</i> seeds. <i>Glycoconjugate Journal</i> , <b>2001</b> , 18, 391-400	3	9
91	Isolation and partial characterisation of a protein from buck seminal plasma ( <i>Capra hircus</i> ), homologous to spermadhesins. <i>Protein and Peptide Letters</i> , <b>2002</b> , 9, 331-5	1.9	9
90	Comprehensive review on Caelsalpinioideae lectins: From purification to biological activities. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 162, 333-348	7.9	8
89	ConBr, a lectin from <i>Canavalia brasiliensis</i> seeds, modulates signaling pathways and increases BDNF expression probably via a glycosylated target. <i>Journal of Molecular Recognition</i> , <b>2014</b> , 27, 746-54	2.6	8
88	Lectin from <i>Canavalia villosa</i> seeds: A glucose/mannose-specific protein and a new tool for inflammation studies. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 105, 272-280	7.9	8
87	Hemagglutinating/Hemolytic activities in extracts of marine invertebrates from the Brazilian coast and isolation of two lectins from the marine sponge <i>Cliona varians</i> and the sea cucumber <i>Holothuria grisea</i> . <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2015</b> , 87, 973-84	1.4	8
86	Structural basis of ConM binding with resveratrol, an anti-inflammatory and antioxidant polyphenol. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 72, 1136-42	7.9	8

85	Crystal structure of the lectin of <i>Camptosema pedicellatum</i> : implications of a conservative substitution at the hydrophobic subsite. <i>Journal of Biochemistry</i> , <b>2012</b> , 152, 87-98	3.1	8
84	Vascular smooth muscle relaxation by a lectin from <i>Pisum arvense</i> : evidences of endothelial NOS pathway. <i>Protein and Peptide Letters</i> , <b>2011</b> , 18, 1107-11	1.9	8
83	<i>Helianthus tuberosus</i> agglutinin directly induces neutrophil migration, which can be modulated/inhibited by resident mast cells. <i>Biochemistry and Cell Biology</i> , <b>2005</b> , 83, 659-66	3.6	8
82	Respiratory stimulus in <i>Rhizobium</i> sp. by legume lectins. <i>World Journal of Microbiology and Biotechnology</i> , <b>2004</b> , 20, 77-83	4.4	8
81	Determination of the amino acid sequence of a new phospholipase A(2) (MIDCA1) isolated from <i>Micrurus dumerilii</i> carinicauda venom. <i>Protein Journal</i> , <b>2005</b> , 24, 147-53	3.9	8
80	ConBr, the Lectin from <i>Canavalia brasiliensis</i> Mart. Seeds: Forty Years of Research. <i>Current Protein and Peptide Science</i> , <b>2019</b> , 20, 600-613	2.8	8
79	Structural studies and nociceptive activity of a native lectin from <i>Platypodium elegans</i> seeds (nPELa). <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 107, 236-246	7.9	7
78	Crystal structure of <i>Pisum arvense</i> seed lectin (PAL) and characterization of its interaction with carbohydrates by molecular docking and dynamics. <i>Archives of Biochemistry and Biophysics</i> , <b>2017</b> , 630, 27-37	4.1	7
77	Fine specificities of two lectins from <i>Cymbosema roseum</i> seeds: a lectin specific for high-mannose oligosaccharides and a lectin specific for blood group H type II trisaccharide. <i>Glycobiology</i> , <b>2011</b> , 21, 925-33	5.8	7
76	Quantitative expression analysis of <i>Bodhesin</i> genes in the buck ( <i>Capra hircus</i> ) reproductive tract by real-time polymerase chain reaction (qRT-PCR). <i>Animal Reproduction Science</i> , <b>2009</b> , 110, 245-55	2.1	7
75	Renal effects induced by the lectin from <i>Vatairea macrocarpa</i> seeds. <i>Journal of Pharmacy and Pharmacology</i> , <b>2005</b> , 57, 1329-33	4.8	7
74	<i>Mycobacterium tuberculosis</i> Rv1419 encodes a secreted 13 kDa lectin with immunological reactivity during human tuberculosis. <i>European Journal of Immunology</i> , <b>2010</b> , 40, 744-53	6.1	7
73	Two different incorporation sites of manganese in single-crystalline monohydrated L-asparagine studied by electron paramagnetic resonance. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	7
72	Carbohydrate/glycan-binding specificity of legume lectins in respect to their proposed biological functions. <i>Brazilian Archives of Biology and Technology</i> , <b>2000</b> , 43, 349-359	1.8	7
71	Hydrochar as protein support: preservation of biomolecule properties with non-covalent immobilization. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 13378-13389	4.3	6
70	The galactose-binding lectin isolated from <i>Bauhinia bauhinioides</i> Mart seeds inhibits neutrophil rolling and adhesion via primary cytokines. <i>Journal of Molecular Recognition</i> , <b>2015</b> , 28, 285-92	2.6	6
69	Antibacterial and antioxidant activities of derriobtusone A isolated from <i>Lonchocarpus obtusus</i> . <i>BioMed Research International</i> , <b>2014</b> , 2014, 248656	3	6
68	Purification and partial characterization of a new mannose/glucose-specific lectin from <i>Dialium guineense</i> Willd seeds that exhibits toxic effect. <i>Journal of Molecular Recognition</i> , <b>2013</b> , 26, 351-6	2.6	6

67	Effects of low molecular weight sulfated galactan fragments from <i>Botryocladia occidentalis</i> on the pharmacological and enzymatic activity of sPLA2 from <i>Crotalus durissus cascavella</i> . <i>Protein Journal</i> , <b>2010</b> , 29, 567-71	3.9	6
66	The interaction of <i>Vatairea macrocarca</i> and <i>Rhizobium tropici</i> : net H <sup>+</sup> efflux stimulus and alteration of extracellular Na <sup>+</sup> concentration. <i>FEMS Microbiology Letters</i> , <b>2004</b> , 238, 17-22	2.9	6
65	Renal Effects Of The Lectin From <i>Canavalia Brasiliensis</i> Seeds. <i>Protein and Peptide Letters</i> , <b>2001</b> , 8, 477-484	4.4	6
64	Seed lectin from <i>pisum arvense</i> : isolation, biochemical characterization and amino acid sequence. <i>Protein and Peptide Letters</i> , <b>2003</b> , 10, 607-17	1.9	6
63	ConBr lectin modulates MAPKs and Akt pathways and triggers autophagic glioma cell death by a mechanism dependent upon caspase-8 activation. <i>Biochimie</i> , <b>2021</b> , 180, 186-204	4.6	6
62	SAM of Gliotoxin on Gold: A Natural Product Platform For Sugar Recognition based on the Immobilization of <i>Canavalia brasiliensis</i> lectin (ConBr). <i>Electrochimica Acta</i> , <b>2017</b> , 241, 116-123	6.7	5
61	Binding pattern and toxicological effects of lectins from genus <i>Canavalia</i> on bovine sperm. <i>Reproductive Toxicology</i> , <b>2013</b> , 38, 72-80	3.4	5
60	Molecular modeling of lectin-like protein from <i>Acacia farnesiana</i> reveals a possible anti-inflammatory mechanism in Carrageenan-induced inflammation. <i>BioMed Research International</i> , <b>2013</b> , 2013, 253483	3	5
59	Effect of leguminous lectins on the growth of <i>Rhizobium tropici</i> CIAT899. <i>Molecules</i> , <b>2013</b> , 18, 5792-803	4.8	5
58	Crystallization and preliminary X-ray diffraction analysis of the lectin from <i>Canavalia boliviana</i> Piper seeds. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2009</b> , 65, 213-5		5
57	The interaction of <i>Vatairea macrocarca</i> and <i>Rhizobium tropici</i> : net H <sup>+</sup> efflux stimulus and alteration of extracellular Na <sup>+</sup> concentration. <i>FEMS Microbiology Letters</i> , <b>2004</b> , 238, 17-22	2.9	5
56	Crystallization and preliminary X-ray diffraction analysis of a new chitin-binding protein from <i>Parkia platycephala</i> seeds. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2005</b> , 61, 841-3		5
55	Crystallization and preliminary X-ray diffraction analysis of HML, a lectin from the red marine alga <i>Hypnea musciformis</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2005</b> , 61, 997-9		5
54	Purification and partial characterization of a new lectin from <i>Parkia panurensis</i> Benth. ex H.C. Hopkins seeds (Leguminosae family; Mimosoideae subfamily) and evaluation of its biological effects. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 145, 845-855	7.9	5
53	Inhibitory effect of <i>Lonchocarpus araripensis</i> lectin in rat acute models of inflammation. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2019</b> , 91, e20180991	1.4	4
52	Bryothamnion seaforthii lectin relaxes vascular smooth muscle: involvement of endothelium and NO synthase. <i>Protein and Peptide Letters</i> , <b>2010</b> , 17, 305-10	1.9	4
51	Purification, partial characterization and preliminary X-ray diffraction analysis of a mannose-specific lectin from <i>Cymbosema roseum</i> seeds. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2006</b> , 62, 235-7		4
50	Glucose-mannose-binding lectins isolated from Brazilian beans stimulate the autophosphorylation of the insulin receptor in vitro. <i>Hormone and Metabolic Research</i> , <b>2003</b> , 35, 125-7	3.1	4

49	Lectins from <i>Pisum arvense</i> seeds behave differently from storage proteins during germination in the darkness. <i>Brazilian Journal of Plant Physiology</i> , <b>2000</b> , 12, 255-262		4
48	The leguminous lectin of <i>Lonchocarpus araripensis</i> promotes antinociception via mechanisms that include neuronal inhibition of Na(+) currents. <i>Inflammation Research</i> , <b>2016</b> , 65, 701-8	7.2	4
47	Homologous <i>Canavalia</i> lectins elicit different patterns of antinociceptive responses. <i>Natural Product Communications</i> , <b>2013</b> , 8, 1621-4	0.9	4
46	A chromophore-containing agglutinin from <i>Haliclona manglaris</i> : purification and biochemical characterization. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 72, 1368-75	7.9	3
45	Homology modeling, molecular docking, and dynamics of two $\beta$ -methyl-D-mannoside-specific lectins from <i>Arachis</i> genus. <i>Journal of Molecular Modeling</i> , <b>2018</b> , 24, 251	2	3
44	Expression, purification and structural analysis of recombinant rBdh-2His $\alpha$ spermadhesin from buck ( <i>Capra hircus</i> ) seminal plasma. <i>Reproduction, Fertility and Development</i> , <b>2012</b> , 24, 580-7	1.8	3
43	Inflammatory and hyperalgesic effects of oxidized multi-walled carbon nanotubes in rats. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 5276-82	1.3	3
42	Density functional theory study of the electronic properties of naphthofuranquinone compounds with antitrypanocidal activity. <i>International Journal of Quantum Chemistry</i> , <b>2011</b> , 111, 1270-1279	2.1	3
41	Crystallization and preliminary X-ray diffraction analysis of a lectin from <i>Canavalia maritima</i> seeds. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2005</b> , 61, 87-9		3
40	Analysis of protein expression and a new prokaryotic expression system for goat ( <i>Capra hircus</i> ) spermadhesin Bdh-2 cDNA. <i>Genetics and Molecular Research</i> , <b>2009</b> , 8, 1147-57	1.2	3
39	Structure prediction and functional analysis of a non-permutated lectin from <i>Dioclea grandiflora</i> . <i>Biochimie</i> , <b>2016</b> , 131, 54-67	4.6	3
38	Seed structure in <i>Canavalia brasiliensis</i> Mart. ex Benth. (Leguminosae) and subcellular localization of ConBr lectin: Implications for ConBr biological functions. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , <b>2015</b> , 215, 46-53	1.9	2
37	The Lectin Isolated from the Alga <i>Hypnea cervicornis</i> Promotes Antinociception in Rats Subjected to Zymosan-Induced Arthritis: Involvement of cGMP Signalization and Cytokine Expression. <i>Inflammation</i> , <b>2020</b> , 43, 1446-1454	5.1	2
36	A Diocleinae type II lectin from <i>Dioclea lasiophylla</i> Mart. Ex Benth seeds specific to $\beta$ -lactose/GalNAc. <i>Process Biochemistry</i> , <b>2020</b> , 93, 104-114	4.8	2
35	Study of the bioconjugation of ternary alloyed ZnCdTe nanocrystals to Concanavalin A. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2014</b> , 295, 46-52	4.7	2
34	ConBr, A Lectin Purified from the Seeds of <i>Canavalia brasiliensis</i> , Protects Against Ischemia in Organotypic Culture of Rat Hippocampus: Potential Implication of Voltage-Gated Calcium Channels. <i>Neurochemical Research</i> , <b>2017</b> , 42, 347-359	4.6	2
33	The effect of <i>Cratylia floribunda</i> lectin on renal hemodynamics and ion transport. <i>Brazilian Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 51, 755-761	1.8	2
32	Vascular Effects of a Sulfated Polysaccharide from the Red Marine Alga <i>Solieria Filiformis</i> . <i>Natural Product Communications</i> , <b>2010</b> , 5, 1934578X1000500	0.9	2

31	Quantum mechanicalab initio calculations of the Raman scattering from psoralens. <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, 8325-8336	1.8	2
30	Crystallization and preliminary X-ray diffraction analysis of an anti-H(O) lectin from Lotus tetragonolobus seeds. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2006</b> , 62, 680-3		2
29	New crystal forms of Diocleinae lectins in the presence of different dimannosides. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2006</b> , 62, 1100-3		2
28	Crystallization and preliminary X-ray diffraction analysis of the seed lectin from Parkia platycephala. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2002</b> , 58, 167-9		2
27	The lectin isolated from Lonchocarpus araripensis seed elicits endothelium-dependent vasorelaxation. <i>Journal of Health &amp; Biological Sciences</i> , <b>2017</b> , 5, 306	1	2
26	Dioclea violacea lectin ameliorates oxidative stress and renal dysfunction in an experimental model of acute kidney injury. <i>American Journal of Translational Research (discontinued)</i> , <b>2015</b> , 7, 2573-88	3	2
25	Potential protein markers in children with Autistic Spectrum Disorder (ASD) revealed by salivary proteomics.. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> , 199, 243-251	7.9	2
24	Isoform characterisation, heterologous expression and functional analysis of two lectins from Vatairea macrocarpa. <i>Protein and Peptide Letters</i> , <b>2013</b> , 20, 1204-10	1.9	2
23	A review of Viciaeae lectins studies: End of the book or a story in the writing?. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 181, 1104-1123	7.9	2
22	Purification, physicochemical characterization and biological properties of a lectin from Erythrina velutina forma aurantiaca seeds. <i>Brazilian Journal of Medical and Biological Research</i> , <b>1996</b> , 29, 977-85	2.8	2
21	Antinociceptive effect of Lonchocarpus araripensis lectin: activation of L-arginine/NO/cGMP/KATP signaling pathway. <i>Inflammopharmacology</i> , <b>2020</b> , 28, 1623-1631	5.1	1
20	Exploring the carbohydrate-binding ability of Canavalia bonariensis lectin in inflammation models. <i>Journal of Molecular Recognition</i> , <b>2020</b> , 33, e2870	2.6	1
19	A novel vasorelaxant lectin purified from seeds of Clathrotropis nitida: partial characterization and immobilization in chitosan beads. <i>Archives of Biochemistry and Biophysics</i> , <b>2015</b> , 588, 33-40	4.1	1
18	A lectin from Dioclea violacea Interacts with midgut surface of Lutzomyia migonei, unlike its homologues, Cratylia floribunda lectin and Canavalia gladiata lectin. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 239208	2.2	1
17	Homologous Canavalia Lectins Elicit Different Patterns of Antinociceptive Responses. <i>Natural Product Communications</i> , <b>2013</b> , 8, 1934578X1300801	0.9	1
16	Lectins in drug deliveryThe binding of some Diocleae lectins to the mucosal surfaces of the eye and mouth. <i>Journal of Pharmacy and Pharmacology</i> , <b>2011</b> , 50, 104-104	4.8	1
15	Crystallization and preliminary X-ray diffraction analysis of the lectin from Dioclea rostrata Benth seeds. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2006</b> , 62, 166-8		1
14	Sporopollenin Nanostructure of Ilex paraguariensis A.St.Hil Pollen Grains. <i>Microscopy and Microanalysis</i> , <b>2005</b> , 11, 78-81	0.5	1



13	Kinetic sedimentation of Rhizobium-aggregates produced by leguminous lectins. <i>World Journal of Microbiology and Biotechnology</i> , <b>2005</b> , 21, 75-82	4.4	1
12	EVALUATION OF THE PROTEOLYTIC SUSCEPTIBILITY OF THREE LECTINS FROM SUBTRIBE DIOCLEINAE USING ENZYMATIC ACTION, HEAT TREATMENT AND MOLECULAR MODELING. <i>Journal of Food Biochemistry</i> , <b>1999</b> , 23, 559-570	3.3	1
11	PREVENTION OF CYCLOPHOSPHAMIDE-INDUCED HEMORRHAGIC CYSTITIS BY GLUCOSE-MANNOSE BINDING PLANT LECTINS. <i>Journal of Urology</i> , <b>1999</b> , 1988-1993	2.5	1
10	Molecular dynamics and binding energy analysis of Vatairea guianensis lectin: a new tool for cancer studies. <i>Journal of Molecular Modeling</i> , <b>2020</b> , 26, 22	2	1
9	Vatairea guianensis lectin stimulates changes in gene expression and release of TNF- $\alpha$ from rat peritoneal macrophages via glycoconjugate binding. <i>Journal of Molecular Recognition</i> , <b>2021</b> , 34, e2922	2.6	0
8	Lectins applied to diagnosis and treatment of prostate cancer and benign hyperplasia: A review. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 190, 543-553	7.9	0
7	Anti-inflammatory and anti-necrotic effects of lectins from <i>Canavalia ensiformis</i> and <i>Canavalia brasiliensis</i> in experimental acute pancreatitis.. <i>Glycoconjugate Journal</i> , <b>2022</b> , 1	3	0
6	Antiproliferative activity of <i>Dioclea violacea</i> lectin in CaCO <sub>3</sub> particles on cancer cells after controlled release. <i>Journal of Materials Science</i> , <b>2022</b> , 57, 8854-8868	4.3	0
5	Heterologous production of E-chain of <i>Dioclea sclerocarpa</i> lectin: Enhancing the biological effects of a wild-type lectin. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 156, 1-9	7.9	
4	Diocleinae Lectins: Clues to Delineate Structure/Function Correlations. <i>Principles and Practice</i> , <b>2004</b> , 81-91		
3	Mucan $\alpha$ ( <i>Canavalia grandiflora</i> ) Seeds and Their Anti-inflammatory and Analgesic Effects <b>2011</b> , 795-802		
2	Differential vasodilator effect of <i>Dioclea rostrata</i> lectin in conductance and resistance arteries: Mechanisms and glycoconjugate binding relationships. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2021</b> , 129, 130-138	3.1	
1	In depth analysis on the carbohydrate-binding properties of a vasorelaxant lectin from <i>Mart Ex. Benth</i> seeds. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-14	3.6	