

# Anderson do Espírito Santo Pereira

## List of Publications by Citations

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23

papers

1,255

citations

16

h-index

25

g-index

25

ext. papers

1,601

ext. citations

7.2

avg, IF

4.85

L-index

#	Paper	IF	Citations
23	Chitosan/tripolyphosphate nanoparticles loaded with paraquat herbicide: an environmentally safer alternative for weed control. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 278, 163-71	12.8	243
22	Application of poly(epsilon-caprolactone) nanoparticles containing atrazine herbicide as an alternative technique to control weeds and reduce damage to the environment. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 268, 207-15	12.8	160
21	Controlled release system for ametryn using polymer microspheres: preparation, characterization and release kinetics in water. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 186, 1645-51	12.8	95
20	Zein Nanoparticles as Eco-Friendly Carrier Systems for Botanical Repellents Aiming Sustainable Agriculture. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 1330-1340	5.7	90
19	Development of stimuli-responsive nano-based pesticides: emerging opportunities for agriculture. <i>Journal of Nanobiotechnology</i> , <b>2019</b> , 17, 100	9.4	85
18	Chitosan nanoparticles as carrier systems for the plant growth hormone gibberellic acid. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 150, 141-152	6	83
17	L-Polyglutamic acid/chitosan nanoparticles for the plant growth regulator gibberellic acid: Characterization and evaluation of biological activity. <i>Carbohydrate Polymers</i> , <b>2017</b> , 157, 1862-1873	10.3	57
16	Geraniol Encapsulated in Chitosan/Gum Arabic Nanoparticles: A Promising System for Pest Management in Sustainable Agriculture. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 5325-5334 <sup>5.7</sup>	5.7	56
15	Carvacrol and linalool co-loaded in Cyclodextrin-grafted chitosan nanoparticles as sustainable biopesticide aiming pest control. <i>Scientific Reports</i> , <b>2018</b> , 8, 7623	4.9	54
14	Evaluation of the genotoxicity of chitosan nanoparticles for use in food packaging films. <i>Journal of Food Science</i> , <b>2010</b> , 75, N89-96	3.4	52
13	Nanotechnology Potential in Seed Priming for Sustainable Agriculture. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	52
12	Polymeric nanoparticles as an alternative for application of gibberellic acid in sustainable agriculture: a field study. <i>Scientific Reports</i> , <b>2019</b> , 9, 7135	4.9	46
11	A Mechanistic View of Interactions of a Nanoherbicide with Target Organism. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 4453-4462	5.7	41
10	Evaluation of the effects of polymeric chitosan/tripolyphosphate and solid lipid nanoparticles on germination of Zea mays, Brassica rapa and Pisum sativum. <i>Ecotoxicology and Environmental Safety</i> , <b>2017</b> , 142, 369-374	7	34
9	Can atrazine loaded nanocapsules reduce the toxic effects of this herbicide on the fish Prochilodus lineatus? A multibiomarker approach. <i>Science of the Total Environment</i> , <b>2019</b> , 663, 548-559	10.2	30
8	Atrazine nanoencapsulation improves pre-emergence herbicidal activity against Bidens pilosa without enhancing long-term residual effect on Glycine max. <i>Pest Management Science</i> , <b>2020</b> , 76, 141-149 <sup>4.6</sup>	4.6	23
7	Evaluation of Cyto- and Genotoxicity of Poly(lactide-co-glycolide) Nanoparticles. <i>Journal of Polymers and the Environment</i> , <b>2011</b> , 19, 196-202	4.5	15

## LIST OF PUBLICATIONS

- 6 Sublethal effects of waterborne copper and copper nanoparticles on the freshwater Neotropical teleost *Prochilodus lineatus*: A comparative approach. *Science of the Total Environment*, **2020**, 704, 135332<sup>10.2 12</sup>
- 5 Nanocarrier-Mediated Delivery of miRNA, RNAi, and CRISPR-Cas for Plant Protection: Current Trends and Future Directions. *ACS Agricultural Science and Technology*, **7**
- 4 Lignin nanoparticles: New insights for a sustainable agriculture. *Journal of Cleaner Production*, **2022**, 345, 131145<sup>10.3 7</sup>
- 3 Evaluation of the effects of nitric oxide-releasing nanoparticles on plants. *Journal of Physics: Conference Series*, **2015**, 617, 012025<sup>0.3 6</sup>
- 2 Foliar absorption and field herbicidal studies of atrazine-loaded polymeric nanoparticles. *Journal of Hazardous Materials*, **2021**, 418, 126350<sup>12.8 6</sup>
- 1 Chitosan nanoparticles containing the insecticide dimethoate: A new approach in the reduction of harmful ecotoxicological effects. *NanoImpact*, **2022**, 27, 100408<sup>5.6 1</sup>