

# Helena Oliveira

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

102 papers	1,839 citations	25 h-index	37 g-index
125 ext. papers	2,273 ext. citations	4.8 avg, IF	5.26 L-index

#	Paper	IF	Citations
102	Boosting Antibiotics Performance by New Formulations with Deep Eutectic Solvents.. <i>International Journal of Pharmaceutics</i> , <b>2022</b> , 616, 121566	6.5	2
101	3D sub-cellular localization of upconverting nanoparticles through hyperspectral microscopy. <i>Physica B: Condensed Matter</i> , <b>2022</b> , 626, 413470	2.8	1
100	Cytotoxicity and mutagenicity of particulate matter from the open burning of pruning wastes. <i>Air Quality, Atmosphere and Health</i> , <b>2022</b> , 15, 299	5.6	
99	Venom of Viperidae: A Perspective of its Antibacterial and Antitumor Potential.. <i>Current Drug Targets</i> , <b>2022</b> , 23, 126-144	3	1
98	In vitro toxicity of particulate matter emissions from residential pellet combustion.. <i>Journal of Environmental Sciences</i> , <b>2022</b> , 115, 215-226	6.4	0
97	Stability, dissolution, and cytotoxicity of NaYF-upconversion nanoparticles with different coatings.. <i>Scientific Reports</i> , <b>2022</b> , 12, 3770	4.9	4
96	Ex vivo exposure to titanium dioxide and silver nanoparticles mildly affect sperm of gilthead seabream ( <i>Sparus aurata</i> ) - A multiparameter spermotoxicity approach.. <i>Marine Pollution Bulletin</i> , <b>2022</b> , 177, 113487	6.7	0
95	Impact of Particle Size on Toxicity, Tissue Distribution and Excretion Kinetics of Subchronic Intratracheal Instilled Silver Nanoparticles in Mice. <i>Toxics</i> , <b>2022</b> , 10, 260	4.7	0
94	Genotoxicity and Cytotoxicity Induced in <i>Zygophyllum fabago</i> by Low Pb Doses Depends on the Population's Redox Plasticity. <i>Horticulturae</i> , <b>2021</b> , 7, 455	2.5	0
93	Encapsulation and Enhanced Release of Resveratrol from Mesoporous Silica Nanoparticles for Melanoma Therapy. <i>Materials</i> , <b>2021</b> , 14,	3.5	9
92	Environmental and Health Hazards of Chromated Copper Arsenate-Treated Wood: A Review. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	7
91	Cytotoxicity of Nucleotide-Stabilized Graphene Dispersions on Osteosarcoma and Healthy Cells: On the Way to Safe Theranostics Agents.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 4384-4393	4.1	
90	3',4'-Dihydroxyflavonol Modulates the Cell Cycle in Cancer Cells: Implication as a Potential Combination Drug in Osteosarcoma. <i>Pharmaceutics</i> , <b>2021</b> , 14,	5.2	1
89	Bacterial nanocellulose-hyaluronic acid microneedle patches for skin applications: In vitro and in vivo evaluation. <i>Materials Science and Engineering C</i> , <b>2021</b> , 118, 111350	8.3	25
88	Biodistribution and pulmonary metabolic effects of silver nanoparticles in mice following acute intratracheal instillations. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 2301-2314	5.1	4
87	Effect of different silica coatings on the toxicity of upconversion nanoparticles on RAW 264.7 macrophage cells. <i>Beilstein Journal of Nanotechnology</i> , <b>2021</b> , 12, 35-48	3	6
86	Cellulose Nanocrystals/Chitosan-Based Nanosystems: Synthesis, Characterization, and Cellular Uptake on Breast Cancer Cells. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	6

85	In vitro toxicity of indoor and outdoor PM from residential wood combustion. <i>Science of the Total Environment</i> , <b>2021</b> , 782, 146820	10.2	5
84	Cytotoxic effects of wildfire ashes: In-vitro responses of skin cells. <i>Environmental Pollution</i> , <b>2021</b> , 285, 117279	9.3	2
83	Hyperthermia Enhances Doxorubicin Therapeutic Efficacy against A375 and MNT-1 Melanoma Cells.. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 23,	6.3	1
82	Macrophage Metabolomics Reveals Differential Metabolic Responses to Subtoxic Levels of Silver Nanoparticles and Ionic Silver. <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 1867-1876	2.3	1
81	One-Minute Synthesis of Size-Controlled Fucoidan-Gold Nanosystems: Antitumoral Activity and Dark Field Imaging. <i>Materials</i> , <b>2020</b> , 13,	3.5	4
80	Pullulan microneedle patches for the efficient transdermal administration of insulin envisioning diabetes treatment. <i>Carbohydrate Polymers</i> , <b>2020</b> , 241, 116314	10.3	24
79	Biocompatible chitosan-based composites with properties suitable for hyperthermia therapy. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 1256-1265	7.3	18
78	Colloidal (Gd <sub>0.98</sub> Nd <sub>0.02</sub> ) <sub>2</sub> O <sub>3</sub> nanothermometers operating in a cell culture medium within the first and second biological windows. <i>Journal of Rare Earths</i> , <b>2020</b> , 38, 483-491	3.7	6
77	Comparative Cr, As and CCA induced Cytostaticity in mice kidney: A contribution to assess CCA toxicity. <i>Environmental Toxicology and Pharmacology</i> , <b>2020</b> , 73, 103297	5.8	6
76	Macrophage inflammatory and metabolic responses to graphene-based nanomaterials differing in size and functionalization. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 186, 110709	6	15
75	Triple Negative Breast Cancer and Breast Epithelial Cells Differentially Reprogram Glucose and Lipid Metabolism upon Treatment with Triterpenic Acids. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	2
74	Swellable Gelatin Methacryloyl Microneedles for Extraction of Interstitial Skin Fluid toward Minimally Invasive Monitoring of Urea. <i>Macromolecular Bioscience</i> , <b>2020</b> , 20, e2000195	5.5	12
73	Antibacterial Multi-Layered Nanocellulose-Based Patches Loaded with Dexpanthenol for Wound Healing Applications. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	7
72	Nanocellulose-Based Patches Loaded with Hyaluronic Acid and Diclofenac towards Aphthous Stomatitis Treatment. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	9
71	Using flow cytometry for bacterioplankton community analysis as a complementary tool to Water Framework Directive to signal putatively impacted sites. <i>Science of the Total Environment</i> , <b>2019</b> , 695, 133754	10.2	2
70	Nanocellulose-based antifungal nanocomposites against the polymorphic fungus <i>Candida albicans</i> . <i>Carbohydrate Polymers</i> , <b>2019</b> , 217, 207-216	10.3	23
69	Flow cytometry analysis of low/high DNA content (LNA/HNA) bacteria as bioindicator of water quality evaluation. <i>Ecological Indicators</i> , <b>2019</b> , 103, 774-781	5.8	17
68	Cr(VI)-induced genotoxicity and cell cycle arrest in human osteoblast cell line MG-63. <i>Journal of Applied Toxicology</i> , <b>2019</b> , 39, 1057-1065	4.1	6

67	Cytotoxicity profiling of deep eutectic solvents to human skin cells. <i>Scientific Reports</i> , <b>2019</b> , 9, 3932	4.9	48
66	Fucoxanthin and Rosmarinic Acid Combination Has Anti-Inflammatory Effects through Regulation of NLRP3 Inflammasome in UVB-Exposed HaCaT Keratinocytes. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	36
65	MoS flakes stabilized with DNA/RNA nucleotides: In vitro cell response. <i>Materials Science and Engineering C</i> , <b>2019</b> , 100, 11-22	8.3	2
64	Critical Considerations on the Clinical Translation of Upconversion Nanoparticles (UCNPs): Recommendations from the European Upconversion Network (COST Action CM1403). <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1801233	10.1	34
63	NMR Metabolomics Reveals Metabolism-Mediated Protective Effects in Liver (HepG2) Cells Exposed to Subtoxic Levels of Silver Nanoparticles. <i>Journal of Proteome Research</i> , <b>2018</b> , 17, 1636-1646	5.6	13
62	UV-B radiation modulates physiology and lipophilic metabolite profile in <i>Olea europaea</i> . <i>Journal of Plant Physiology</i> , <b>2018</b> , 222, 39-50	3.6	27
61	Combination of etoposide and fisetin results in anti-cancer efficiency against osteosarcoma cell models. <i>Archives of Toxicology</i> , <b>2018</b> , 92, 1205-1214	5.8	15
60	Biocompatible hybrids based on nanographene oxide covalently linked to glycolporphyrins: Synthesis, characterization and biological evaluation. <i>Carbon</i> , <b>2018</b> , 135, 202-214	10.4	15
59	Biochemical and transcriptional analyses of cadmium-induced mitochondrial dysfunction and oxidative stress in human osteoblasts. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2018</b> , 81, 705-717	3.2	16
58	Cytotoxic effect of the serotonergic drug 1-(1-Naphthyl)piperazine against melanoma cells. <i>Toxicology in Vitro</i> , <b>2018</b> , 47, 72-78	3.6	7
57	Errors in protein synthesis increase the level of saturated fatty acids and affect the overall lipid profiles of yeast. <i>PLoS ONE</i> , <b>2018</b> , 13, e0202402	3.7	2
56	Metabolomic response of osteosarcoma cells to nanographene oxide-mediated hyperthermia. <i>Materials Science and Engineering C</i> , <b>2018</b> , 91, 340-348	8.3	7
55	Bridging a Gap between Cr(VI)-Induced Oxidative Stress and Genotoxicity in Lettuce Organs after a Long-Term Exposure. <i>International Journal of Agronomy</i> , <b>2018</b> , 2018, 1-8	1.9	1
54	Differential pulmonary in vitro toxicity of two small-sized polyvinylpyrrolidone-coated silver nanoparticles. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2018</b> , 81, 675-690	3.2	9
53	Impact of the PdSpermine Chelate on Osteosarcoma Metabolism: An NMR Metabolomics Study. <i>Journal of Proteome Research</i> , <b>2017</b> , 16, 1773-1783	5.6	15
52	The cytotoxic targets of anatase or rutile + anatase nanoparticles depend on the plant species. <i>Biologia Plantarum</i> , <b>2017</b> , 61, 717-725	2.1	16
51	Poly(N-methacryloyl glycine)/nanocellulose composites as pH-sensitive systems for controlled release of diclofenac. <i>Carbohydrate Polymers</i> , <b>2017</b> , 169, 357-365	10.3	46
50	A study of the effects of citrate-coated silver nanoparticles on RAW 264.7 cells using a toolbox of cytotoxic endpoints. <i>Journal of Nanoparticle Research</i> , <b>2017</b> , 19, 1	2.3	7

49	Genotoxicity of citrate-coated silver nanoparticles to human keratinocytes assessed by the comet assay and cytokinesis blocked micronucleus assay. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 5039-5048	5.1	21
48	Pb low doses induced genotoxicity in <i>Lactuca sativa</i> plants. <i>Plant Physiology and Biochemistry</i> , <b>2017</b> , 112, 109-116	5.4	25
47	Hesperetin-etoposide combinations induce cytotoxicity in U2OS cells: Implications on therapeutic developments for osteosarcoma. <i>DNA Repair</i> , <b>2017</b> , 50, 36-42	4.3	15
46	Wheat chronic exposure to TiO <sub>2</sub> -nanoparticles: Cyto- and genotoxic approach. <i>Plant Physiology and Biochemistry</i> , <b>2017</b> , 121, 89-98	5.4	26
45	Antimicrobial Properties and Therapeutic Applications of Silver Nanoparticles and Nanocomposites <b>2017</b> , 223-259		5
44	Coating independent cytotoxicity of citrate- and PEG-coated silver nanoparticles on a human hepatoma cell line. <i>Journal of Environmental Sciences</i> , <b>2017</b> , 51, 191-201	6.4	13
43	Insights into the impact of silver nanoparticles on human keratinocytes metabolism through NMR metabolomics. <i>Archives of Biochemistry and Biophysics</i> , <b>2016</b> , 589, 53-61	4.1	38
42	Physiological characterization and true-to-typeness evaluation of in vitro and ex vitro seedlings of <i>Pinus elliottii</i> : A contribution to breeding programs. <i>Plant Physiology and Biochemistry</i> , <b>2016</b> , 107, 222-227	5.4	5
41	Prevention of Photocarcinogenesis by Agonists of 5-HT <sub>1A</sub> and Antagonists of 5-HT <sub>2A</sub> Receptors. <i>Molecular Neurobiology</i> , <b>2016</b> , 53, 1145-1164	6.2	9
40	Pure anatase and rutile TiO <sub>2</sub> anatase nanoparticles differently affect wheat seedlings. <i>Chemosphere</i> , <b>2016</b> , 151, 68-75	8.4	21
39	Antiproliferative Effects of <i>Cynara cardunculus</i> L. var. <i>altis</i> (DC) Lipophilic Extracts. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 18,	6.3	24
38	The Role of Cytometry for Male Fertility Assessment in Toxicology <b>2016</b> ,		1
37	The Effect of Lycopene Preexposure on UV-B-Irradiated Human Keratinocytes. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2016</b> , 2016, 8214631	6.7	32
36	Nanoplatforms for Plasmon-Induced Heating and Thermometry. <i>ChemNanoMat</i> , <b>2016</b> , 2, 520-527	3.5	26
35	The influence of Citrate or PEG coating on silver nanoparticle toxicity to a human keratinocyte cell line. <i>Toxicology Letters</i> , <b>2016</b> , 249, 29-41	4.4	50
34	Metabolomics of silver nanoparticles toxicity in HaCaT cells: structure-activity relationships and role of ionic silver and oxidative stress. <i>Nanotoxicology</i> , <b>2016</b> , 10, 1105-17	5.3	49
33	Death and cell cycle progression are differently conditioned by the AgNP size in osteoblast-like cells. <i>Toxicology</i> , <b>2016</b> , 368-369, 103-115	4.4	24
32	Inflammatory responses of a human keratinocyte cell line to 10 nm citrate- and PEG-coated silver nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	2.3	6

31	Cryopreservation of somatic embryos of <i>Alnus glutinosa</i> (L.) Gaertn. and confirmation of ploidy stability by flow cytometry. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2015</b> , 123, 489-499	2.7	11
30	Cadmium-induced genotoxicity in human osteoblast-like cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2014</b> , 775-776, 38-47	3	27
29	Improving elms performance under drought stress: The pretreatment with abscisic acid. <i>Environmental and Experimental Botany</i> , <b>2014</b> , 100, 64-73	5.9	25
28	Study of the effects of foliar application of ABA during acclimatization. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2014</b> , 117, 213-224	2.7	18
27	In vitro and in vivo topical delivery studies of tretinoin-loaded ultradeformable vesicles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2014</b> , 88, 48-55	5.7	42
26	Sulforaphane induces oxidative stress and death by p53-independent mechanism: implication of impaired glutathione recycling. <i>PLoS ONE</i> , <b>2014</b> , 9, e92980	3.7	32
25	Sulforaphane induces DNA damage and mitotic abnormalities in human osteosarcoma MG-63 cells: correlation with cell cycle arrest and apoptosis. <i>Nutrition and Cancer</i> , <b>2014</b> , 66, 325-34	2.8	36
24	Chemoprevention of photocarcinogenesis by lycopene. <i>Experimental Dermatology</i> , <b>2014</b> , 23, 874-8	4	20
23	Is tretinoin still a key agent for photoaging management?. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2014</b> , 14, 629-41	3.2	13
22	Antitumoral and antioxidant activities of lipophilic and phenolic extracts from <i>Cynara cardunculus</i> L. var. <i>altilis</i> (DC). <i>Planta Medica</i> , <b>2014</b> , 80,	3.1	3
21	Lycopene from tomatoes: vesicular nanocarrier formulations for dermal delivery. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 7284-93	5.7	42
20	Flow cytometric and karyological analyses of <i>Calendula</i> species from Iberian Peninsula. <i>Plant Systematics and Evolution</i> , <b>2013</b> , 299, 853-864	1.3	13
19	Mechanisms of kidney toxicity for chromium- and arsenic-based preservatives: potential involvement of a pro-oxidative pathway. <i>Environmental Toxicology and Pharmacology</i> , <b>2013</b> , 36, 929-36	5.8	9
18	Inoculation with <i>Ophiostoma novo-ulmi</i> subsp. <i>americana</i> affects photosynthesis, nutrition and oxidative stress in in vitro <i>Ulmus minor</i> plants. <i>Environmental and Experimental Botany</i> , <b>2012</b> , 77, 146-155	5.9	13
17	Cadmium-induced cyto- and genotoxicity are organ-dependent in lettuce. <i>Chemical Research in Toxicology</i> , <b>2012</b> , 25, 1423-34	4	59
16	Impairment of mice spermatogenesis by sodium arsenite. <i>Human and Experimental Toxicology</i> , <b>2012</b> , 31, 290-302	3.4	33
15	Cadmium-induced genetic instability in mice testis. <i>Human and Experimental Toxicology</i> , <b>2012</b> , 31, 1228-36	3.4	24
14	Chromium as an Environmental Pollutant: Insights on Induced Plant Toxicity. <i>Journal of Botany</i> , <b>2012</b> , 2012, 1-8	0	220

13	Legacy and Emerging Contaminants in Plants: From the Gene to the Field. <i>Journal of Botany</i> , <b>2012</b> , 2012, 1-2	0	2
12	Cytogenetic characterization and genome size of the medicinal plant <i>Catharanthus roseus</i> (L.) G. Don. <i>AoB PLANTS</i> , <b>2012</b> , 2012, pls002	2.9	14
11	AN INTEGRATIVE VIEW OF SODIUM CHLORIDE STRESS AND PHAEOMONIELLA SP. INOCULATION ON GROWTH AND NUTRIENT ACCUMULATION AND PATTERNING IN IN VITRO GRAPEVINE PLANTS. <i>Journal of Plant Nutrition</i> , <b>2011</b> , 34, 557-572	2.3	
10	Evaluation of in vivo reproductive toxicity of potassium chromate in male mice. <i>Experimental and Toxicologic Pathology</i> , <b>2010</b> , 62, 391-404		17
9	Adverse effects of cadmium exposure on mouse sperm. <i>Reproductive Toxicology</i> , <b>2009</b> , 28, 550-5	3.4	77
8	Effects of fungus inoculation and salt stress on physiology and biochemistry of in vitro grapevines: Emphasis on sugar composition changes by FT-IR analyses. <i>Environmental and Experimental Botany</i> , <b>2009</b> , 65, 1-10	5.9	27
7	Lead chloride affects sperm motility and acrosome reaction in mice: lead affects mice sperm motility and acrosome reaction. <i>Cell Biology and Toxicology</i> , <b>2009</b> , 25, 341-53	7.4	36
6	Flow cytometry evaluation of lead and cadmium effects on mouse spermatogenesis. <i>Reproductive Toxicology</i> , <b>2006</b> , 22, 529-35	3.4	19
5	Response of <i>Vitis vinifera</i> L. plants inoculated with <i>Phaeoacremonium angustius</i> and <i>Phaeomoniella chlamydospora</i> to thiabendazole, resveratrol and sodium arsenite. <i>Scientia Horticulturae</i> , <b>2006</b> , 107, 131-136	4.1	16
4	Histopathological effects of hexavalent chromium in mouse kidney. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2006</b> , 76, 977-83	2.7	16
3	Effect of Cr(V) on reproductive organ morphology and sperm parameters: an experimental study in mice. <i>Environmental Health</i> , <b>2005</b> , 4, 9	6	4
2	Segmentation and Morphometry of Histological Sections Using Deformable Models: A New Tool for Evaluating Testicular Histopathology. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 282-290	0.9	3
1	Nutrient responses and glutamate and proline metabolism in sunflower plants and calli under Na <sub>2</sub> SO <sub>4</sub> stress. <i>Journal of Plant Nutrition and Soil Science</i> , <b>2002</b> , 165, 366-372	2.3	30