

# Noelia Florez Fernandez

## List of Publications by Year in descending order

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45  
papers

1,074  
citations

430442

18  
h-index

433756

31  
g-index

45  
all docs

45  
docs citations

45  
times ranked

980  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integral Utilization of Red Seaweed for Bioactive Production. <i>Marine Drugs</i> , 2019, 17, 314.	2.2	117
2	A green approach for alginate extraction from <i>Sargassum muticum</i> brown seaweed using ultrasound-assisted technique. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 451-459.	3.6	101
3	Ultrasound-assisted extraction of fucoidan from <i>Sargassum muticum</i> . <i>Journal of Applied Phycology</i> , 2017, 29, 1553-1561.	1.5	72
4	Potential of intensification techniques for the extraction and depolymerization of fucoidan. <i>Algal Research</i> , 2018, 30, 128-148.	2.4	69
5	Recovery of bioactive and gelling extracts from edible brown seaweed <i>Laminaria ochroleuca</i> by non-isothermal autohydrolysis. <i>Food Chemistry</i> , 2019, 277, 353-361.	4.2	57
6	Successful Approaches for a Red Seaweed Biorefinery. <i>Marine Drugs</i> , 2019, 17, 620.	2.2	54
7	Applying Seaweed Compounds in Cosmetics, Cosmeceuticals and Nutricosmetics. <i>Marine Drugs</i> , 2021, 19, 552.	2.2	38
8	Subcritical Water for the Extraction and Hydrolysis of Protein and Other Fractions in Biorefineries from Agro-food Wastes and Algae: a Review. <i>Food and Bioprocess Technology</i> , 2021, 14, 373-387.	2.6	37
9	Antiviral Activity of Carrageenans and Processing Implications. <i>Marine Drugs</i> , 2021, 19, 437.	2.2	37
10	Influence of molecular weight on the properties of <i>Sargassum muticum</i> fucoidan. <i>Algal Research</i> , 2019, 38, 101393.	2.4	36
11	Spray-drying microencapsulation of tea extracts using green starch, alginate or carrageenan as carrier materials. <i>International Journal of Biological Macromolecules</i> , 2022, 203, 417-429.	3.6	30
12	Retrieving of high-value biomolecules from edible <i>Himanthalia elongata</i> brown seaweed using hydrothermal processing. <i>Food and Bioproducts Processing</i> , 2019, 117, 275-286.	1.8	25
13	Fucoidans: The importance of processing on their anti-tumoral properties. <i>Algal Research</i> , 2020, 45, 101748.	2.4	25
14	Clean technologies applied to the recovery of bioactive extracts from <i>Camellia sinensis</i> leaves agricultural wastes. <i>Food and Bioproducts Processing</i> , 2020, 122, 214-221.	1.8	22
15	Tailoring hybrid carrageenans from <i>Mastocarpus stellatus</i> red seaweed using microwave hydrodiffusion and gravity. <i>Carbohydrate Polymers</i> , 2020, 248, 116830.	5.1	21
16	Integrated valorization of <i>Sargassum muticum</i> in biorefineries. <i>Chemical Engineering Journal</i> , 2021, 404, 125635.	6.6	21
17	Feasibility of posthydrolysis processing of hydrothermal extracts from <i>Sargassum muticum</i> . <i>Algal Research</i> , 2017, 27, 73-81.	2.4	20
18	Hydrothermal systems to obtain high value-added compounds from macroalgae for bioeconomy and biorefineries. <i>Bioresource Technology</i> , 2022, 343, 126017.	4.8	19

#	ARTICLE	IF	CITATIONS
19	Engineering of konjac glucomannan into respirable microparticles for delivery of antitubercular drugs. <i>International Journal of Pharmaceutics</i> , 2021, 604, 120731.	2.6	18
20	Advances in the biorefinery of <i>Sargassum muticum</i> : Valorisation of the alginate fractions. <i>Industrial Crops and Products</i> , 2019, 138, 111483.	2.5	17
21	Green technologies for cascade extraction of <i>Sargassum muticum</i> bioactives. <i>Journal of Applied Phycology</i> , 2019, 31, 2481-2495.	1.5	17
22	Inhalable Spray-Dried Chondroitin Sulphate Microparticles: Effect of Different Solvents on Particle Properties and Drug Activity. <i>Polymers</i> , 2020, 12, 425.	2.0	17
23	Eco-friendly extraction of <i>Mastocarpus stellatus</i> carrageenan for the synthesis of gold nanoparticles with improved biological activity. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 1436-1449.	3.6	17
24	<i>Chondrus crispus</i> treated with ultrasound as a polysaccharides source with improved antitumoral potential. <i>Carbohydrate Polymers</i> , 2021, 273, 118588.	5.1	17
25	Microwave hydrothermal processing of <i>Undaria pinnatifida</i> for bioactive peptides. <i>Bioresource Technology</i> , 2021, 342, 125882.	4.8	16
26	Study of fucoidans as natural biomolecules for therapeutical applications in osteoarthritis. <i>Carbohydrate Polymers</i> , 2021, 258, 117692.	5.1	15
27	Microwave-Assisted Water Extraction. , 2017, , 163-198.		14
28	Impact of counterions on the thermo-rheological features of hybrid carrageenan systems isolated from red seaweed <i>Gigartina skottsbergii</i> . <i>Food Hydrocolloids</i> , 2018, 84, 321-329.	5.6	12
29	Update on potential of edible mushrooms: high-value compounds, extraction strategies and bioactive properties. <i>International Journal of Food Science and Technology</i> , 2022, 57, 1378-1385.	1.3	11
30	Valorisation of <i>Camellia sinensis</i> branches as a raw product with green technology extraction methods. <i>Current Research in Food Science</i> , 2020, 2, 20-24.	2.7	10
31	Synthesis, process optimization and characterization of gold nanoparticles using crude fucoidan from the invasive brown seaweed <i>Sargassum muticum</i> . <i>Algal Research</i> , 2021, 58, 102377.	2.4	10
32	Ultrasound-Assisted Extraction of Bioactive Carbohydrates. , 2017, , 317-331.		8
33	Microwave hydrogravity pretreatment of <i>Sargassum muticum</i> before solvent extraction of antioxidant and antiobesity compounds. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 256-264.	1.6	8
34	Environmentally friendly processing of <i>Laminaria ochroleuca</i> for soft food applications with bioactive properties. <i>Journal of Applied Phycology</i> , 2020, 32, 1455-1465.	1.5	8
35	Ultrasound-Assisted Water Extraction of <i>Mastocarpus stellatus</i> Carrageenan with Adequate Mechanical and Antiproliferative Properties. <i>Marine Drugs</i> , 2021, 19, 280.	2.2	8
36	Antifibrotic effect of brown algae-derived fucoidans on osteoarthritic fibroblast-like synoviocytes. <i>Carbohydrate Polymers</i> , 2022, 282, 119134.	5.1	8

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37	Green Extraction of Carrageenans from <i>Mastocarpus stellatus</i> . <i>Polymers</i> , 2022, 14, 554.	2.0	7
38	Monitoring of the ultrasound assisted depolymerisation kinetics of fucoidans from <i>Sargassum muticum</i> depending on the rheology of the corresponding gels. <i>Journal of Food Engineering</i> , 2021, 294, 110404.	2.7	6
39	Evaluation of sustainable technologies for the processing of <i>Sargassum muticum</i> : cascade biorefinery schemes. <i>Green Chemistry</i> , 2021, 23, 7001-7015.	4.6	6
40	Valorization of <i>Arnica montana</i> Wastes after Extraction of the Ethanol Tincture: Application in Polymer-Based Matrices. <i>Polymers</i> , 2021, 13, 3121.	2.0	6
41	Potential of Chestnut Wastes for Cosmetics and Pharmaceutical Applications. <i>Waste and Biomass Valorization</i> , 2020, 11, 4721-4730.	1.8	5
42	Functional Features of Alginates Recovered from <i>Himanthalia elongata</i> Using Subcritical Water Extraction. <i>Molecules</i> , 2021, 26, 4726.	1.7	5
43	Hydrothermal Processing of <i>Laminaria ochroleuca</i> for the Production of Crude Extracts Used to Formulate Polymeric Nanoparticles. <i>Marine Drugs</i> , 2020, 18, 336.	2.2	3
44	Combination of Water-Based Extraction Technologies. , 2017, , 421-449.		2
45	Acetone Precipitation of Heterofucoidans from <i>Sargassum muticum</i> Autohydrolysis Extracts. <i>Waste and Biomass Valorization</i> , 2021, 12, 867-877.	1.8	2