

# Maria Do Carmo Barreto

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/381761/publications.pdf>

Version: 2024-02-01

40  
papers

701  
citations

430874

18  
h-index

610901

24  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1114  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Biochemical composition, nutritional value, and antioxidant properties of seven seaweed species from the Madeira Archipelago. <i>Journal of Applied Phycology</i> , 2017, 29, 2427-2437.                                      | 2.8 | 58        |
| 2  | Inhibition of mouse liver respiration by <i>Chelidonium majus</i> isoquinoline alkaloids. <i>Toxicology Letters</i> , 2003, 146, 37-47.   | 0.8 | 53        |
| 3  | Anti-acetylcholinesterase and Antioxidant Activity of Essential Oils from <i>Hedychium gardnerianum</i> Sheppard ex Ker-Gawl. <i>Molecules</i> , 2012, 17, 3082-3092.   | 3.8 | 53        |
| 4  | Assessing microbial activities in metal contaminated agricultural volcanic soils – An integrative approach. <i>Ecotoxicology and Environmental Safety</i> , 2016, 129, 242-249.   | 6.0 | 41        |
| 5  | Chalcone: A Valuable Scaffold Upgrading by Green Methods. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7467-7480.  | 6.7 | 31        |
| 6  | Di- and Sesquiterpenoids from <i>Cystoseira</i> Genus: Structure, Intra-molecular Transformations and Biological Activity. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013, 13, 1150-1159.                                  | 2.4 | 28        |
| 7  | Chalcones and Flavanones Bearing Hydroxyl and/or Methoxyl Groups: Synthesis and Biological Assessments. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2846.  | 2.5 | 25        |
| 8  | Aqueous and Ethanolic Plant Extracts as Bio-Insecticides – Establishing a Bridge between Raw Scientific Data and Practical Reality. <i>Plants</i> , 2021, 10, 920.  | 3.5 | 24        |
| 9  | Biological activity of essential oils from seven Azorean plants against <i>Pseudaletia unipuncta</i> (Lepidoptera: Noctuidae). <i>Journal of Applied Entomology</i> , 2010, 134, 346-354.                                     | 1.8 | 23        |
| 10 | Cytotoxic meroterpenoids from the macroalga <i>Cystoseira abies-marina</i> . <i>Phytochemistry Letters</i> , 2013, 6, 593-597.  | 1.2 | 22        |
| 11 | A new natural spiro heterocyclic compound and the cytotoxic activity of the secondary metabolites from <i>Juniperus brevifolia</i> leaves. <i>FÄ-toterapÄ-t</i> , 2011, 82, 225-229.  | 2.2 | 21        |
| 12 | Nutraceutical potential of <i>Asparagopsis taxiformis</i> (Delile) Trevisan extracts and assessment of a downstream purification strategy. <i>Heliyon</i> , 2018, 4, e00957.  | 3.2 | 21        |
| 13 | Evaluation of fucoxanthin contents in seaweed biomass by vortex-assisted solid-liquid microextraction using high-performance liquid chromatography with photodiode array detection. <i>Algal Research</i> , 2019, 42, 101603. | 4.6 | 21        |
| 14 | Xanthenedione Derivatives, New Promising Antioxidant and Acetylcholinesterase Inhibitor Agents. <i>Molecules</i> , 2014, 19, 8317-8333.   | 3.8 | 20        |
| 15 | Cytotoxic Activity of Diterpenes and Extracts of <i>Juniperus brevifolia</i> . <i>Planta Medica</i> , 2008, 74, 751-753.  | 1.3 | 19        |
| 16 | Pharmacological and Cosmeceutical Potential of Seaweed Beach-Casts of Macaronesia. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5831.  | 2.5 | 19        |
| 17 | Uncharted Source of Medicinal Products: The Case of the <i>Hedychium</i> Genus. <i>Medicines (Basel)</i> , 2021, 10, 1074.  | 1.4 | 19        |
| 18 | Recent Breakthroughs in the Antioxidant and Anti-Inflammatory Effects of <i>Morella</i> and <i>Myrica</i> Species. <i>International Journal of Molecular Sciences</i> , 2015, 16, 17160-17180.                                | 4.1 | 18        |

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|----|--|-----|-----------|
| 19 | Xanthenes for melanogenesis inhibition: Molecular docking and QSAR studies to understand their anti-tyrosinase activity. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 29, 115873.   | 3.0 | 18        |
| 20 | Fatty acid composition, TLC screening, ATR-FTIR analysis, anti-cholinesterase activity, and in vitro cytotoxicity to A549 tumor cell line of extracts of 3 macroalgae collected in Madeira. <i>Journal of Applied Phycology</i> , 2020, 32, 759-771.                     | 2.8 | 17        |
| 21 | Validation of a spectrophotometric methodology for a rapid iodine analysis in algae and seaweed casts. <i>Algal Research</i> , 2019, 42, 101613.   | 4.6 | 14        |
| 22 | Biochemical study of attached macroalgae from the Madeira Archipelago and beach-cast macroalgae from the Canary Islands: multivariate analysis to determine bioresource potential. <i>Botanica Marina</i> , 2020, 63, 283-298.   | 1.2 | 14        |
| 23 | Diagnosis of enzyme inhibition based on the degree of inhibition. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2003, 1624, 11-20.   | 2.4 | 13        |
| 24 | Tailoring the Microstructure of Solâ€“Gel Derived Hydroxyapatite/Zirconia Nanocrystalline Composites. <i>Nanoscale Research Letters</i> , 2011, 6, 20.   | 5.7 | 12        |
| 25 | Comparative study by GC-MS and chemometrics on the chemical and nutritional profile of <i>Fucus spiralis</i> L. juvenile and mature life-cycle phases. <i>Journal of Applied Phycology</i> , 2018, 30, 2539-2548.  | 2.8 | 11        |
| 26 | Lipid Extraction and Cholesterol Quantification: A Simple Protocol. <i>Journal of Chemical Education</i> , 2005, 82, 103.  | 2.3 | 10        |
| 27 | GC- and UHPLC-MS Profiles as a Tool to Valorize the Red Alga <i>Asparagopsis armata</i> . <i>Applied Sciences (Switzerland)</i> , 2022, 12, 892.   | 2.5 | 10        |
| 28 | Biological endpoints in earthworms ( <i>Amyntas gracilis</i> ) as tools for the ecotoxicity assessment of soils from livestock production systems. <i>Ecological Indicators</i> , 2018, 95, 984-990.   | 6.3 | 9         |
| 29 | Pharmacological effects of <i>Fucus spiralis</i> extracts and phycochemicals: a comprehensive review. <i>Botanica Marina</i> , 2019, 62, 167-178.  | 1.2 | 9         |
| 30 | Efficacy, Stability, and Safety Evaluation of New Polyphenolic Xanthenes Towards Identification of Bioactive Compounds to Fight Skin Photoaging. <i>Molecules</i> , 2020, 25, 2782.  | 3.8 | 8         |
| 31 | A Green and Simple Protocol for Extraction and Application of a Peroxidase-Rich Enzymatic Extract. <i>Methods and Protocols</i> , 2020, 3, 25.   | 2.0 | 8         |
| 32 | Bioaccumulation and potential ecotoxicological effects of trace metals along a management intensity gradient in volcanic pasturelands. <i>Chemosphere</i> , 2021, 273, 128601.   | 8.2 | 8         |
| 33 | Allocation of nutrients during the reproductive cycle of <i>Ophidiaster ophidianus</i> (Echinodermata:). <a href="#">Tj ETQq1 1 0.784314 rgBT /Qverlock 10</a>   |     |           |
| 34 | <i>Asparagopsis</i> Genus: What We Really Know About Its Biological Activities and Chemical Composition. <i>Molecules</i> , 2022, 27, 1787.  | 3.8 | 7         |
| 35 | Phytochemicals with Added Value from <i>Morella</i> and <i>Myrica</i> Species. <i>Molecules</i> , 2020, 25, 6052.  | 3.8 | 5         |
| 36 | Constructing ethanol-derived bioactive extracts using the brown seaweed <i>Zonaria tournefortii</i> (J.V.Lamouroux) Montagne performed with Timatic extractor by means of response surface methodology (RSM). <i>Journal of Applied Phycology</i> , 2020, 32, 2321-2333. | 2.8 | 3         |

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|----|---|-----|-----------|
| 37 | Plasticity of crassulacean acid metabolism at subtropical latitudes: a pineapple case study. <i>Physiologia Plantarum</i> , 2016, 156, 29-39. | 5.2 | 2         |
| 38 | Searching for Molecules against Cancer in the Azores: Plants, Macroalgae, and Synthetic Compounds. <i>Proceedings (mdpi)</i> , 2019, 22, .    | 0.2 | 0         |
| 39 | Biological activity of <i>Gunnera tinctoria</i> , an invasive plant in the island of S. Miguel (Azores). <i>Planta Medica</i> , 2006, 72, .   | 1.3 | 0         |
| 40 | Biological activities of plants traditionally used in Egyptian ethnopharmacology. <i>Planta Medica</i> , 2014, 80, .                          | 1.3 | 0         |