



CURRICULUM VITAE

Ana Maria Loureiro da Seca

September - 2020

PERSONAL DATA

Full name	Ana Maria Loureiro da Seca Seca, A.M.L.
Name under which you publish	Seca, A. Da Seca, A. M. L.
Birth date	20-07-1969
Nationality	Portuguese
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ACADEMIC DEGREES

From Mars of 1995 to January of 2000	PhD on Chemistry University of Aveiro Thesis title: "Kenaf (<i>Hibiscus cannabinus</i>): extracção e caracterização estrutural de constituintes alifáticos, fenólicos simples e macromoleculares" Supervision: Profs J. A. S. Cavaleiro and Carlos Pascoal-Neto
From September of 1992 to April of 1994	Master degree on Science and Technology of Pulp and Forest Products

University of Aveiro

Thesis title: "HPLC e produtos de oxidação de lenhinas pelo nitrobenzeno"

Supervision: Prof J. A. S. Cavaleiro

**From October of 1987 to
July of 1991**

Degree on Chemistry – Analytical Chemistry

University of Aveiro (4-years study).

PROFESSIONAL POSITIONS

From September of 2011

Assistant Professor

Teaching: General chemistry; Biochemistry; Natural Product and Health

University of Azores

**From November of 2009 to
August of 2011**

Invited Professor

Teaching: Medicinal organic chemistry; Chemistry; Bioorganic chemistry

University of Aveiro

**From February of 2000 to
August of 2009**

Assistant Professor

Teaching: Analytical chemistry; Methods on instrumental analysis; Biochemistry

University of Azores

**From Mars of 1999 to
January of 2000**

Instructor

Teaching: Analytical chemistry

University of Azores

Graduate teaching assistant

**From April of 1994 to
August of 1994**

Teaching: Chemistry

University of Aveiro

**From September of 1994 to
February of 1995
and**

Teacher

Teaching: Mathematic; Physic-chemistry

from September of 1991 to Middle school
August 1992

RESEARCH ACTIVITY

PRESENT RESEARCH INTEREST Chemistry of natural compounds:

- Extraction and characterization of natural compounds from terrestrial and marine species with potential biologic activity;
- Valorization of natural products from species of the Azores;
- New routes for the synthesis of analogues natural compounds with potential pharmacological applications.

RESEARCH PROJECTS MACBIOPEST - Biopesticidas botánicos de la Macaronesia: investigación y saber popular” European Commission, INTERREG (Bruxels, Belgium) 2019-10 to 2022, MAC2/1.1a/289)

3B-vent - Biodiversity, Biological interactions and Biotechnological products of coastal hydrothermal vents in Azores. DRPFE - Direcção Regional do Planeamento e Fundos Estruturais. 2019-2021.

MACBIOBLUE – Demonstration and technology transfer project to help companies develop new products and processes in the field of Blue Biotechnology of Macaronesia. European Commission, INTERREG (Bruxels, Belgium) 2016-11 to 2020-3, MAC/1.1b/086

ASPAZOR - Ecosystem impacts and socioeconomic benefits of *Asparagopsis armata* in the Azores. Regional Direction for Science, Technology (Ponta Delgada, Azores, Portugal) 2016-11 to 2020-6, ACORES-01 -0145-FEDER-000060

AZOALG - Bioactive products in marine algae of Azores, Fundação para a Ciência e a Tecnologia, I.P. (Lisbon, Portugal) 2010-06 to 2013-11, Grant: PTDC/MAR/100482/2008.

PUBLICATIONS

- Dissertations**
- "Kenaf (*Hibiscus cannabinus*): Extraction and structural characterization of aliphatic and phenolic (small molecules and macromolecules) constituents”, PhD thesis, University of Aveiro, 2000 (
 - “HPLC and products of lignin nitrobenzene oxidation”, MSc Thesis, University of Aveiro, 1994 (<http://hdl.handle.net/10773/27511>)

Book/ and

Book and Chapters 9- Pinto, D. C. G. A.; Seca, A. M. L.; Cardoso, S. M.; Silva, A. M. S. (2021). "Seaweed metabolites with benefit effects against cardiovascular diseases" in: Seaweed Bioactives: Health Benefits and Potential Applications, A. Jaiswal (Ed.). Nutraceuticals: Basic Research/Clinical Applications Series, CRC Press, Boca Raton, Florida, USA (ISBN: 978-1-4987-9698-9), Vol 1, chapter 15. *in press*.

8- Biological potential and medical use of secondary metabolites. Seca, A. M. L.; Pinto, D. C. G. A. (Editors), MDPI - Multidisciplinary Digital Publishing Institute, 2019, 284 pg, ISBN-10: 3039211870; ISBN-13: 978-3039211876, doi: 10.3390/books978-3-03921-188-3

7- Pinto, D. C. G. A.; Seca, A. M. L.; Silva, A. M. S. (2017). Insight approaches of medicinal plants for the discovery of anticancer drugs. in: Anticancer Plants Clinical Trials and Nanotechnology, M. S. Akhtar and M. K. Swamy (Eds.), Springer Verlag, Singapore. Vol 3, chapter 4. pg. 105-151. doi: 10.1007/978-981-10-8216-0_4

6- Ferreira, D.; Pinto, D. C. G. A.; Silva, A. M. S.; Seca, A. M. L. (2017). "Olea europaea: Facts and myths regarding cardiovascular health" in Herbal Medicine: Back to the Future, F. Atta-ur-Rahman, F. Murad and K. Bian (Ed.), Bentham Science Publishers, Vol 1, chapter 3, pg. 57-128. doi: 10.2174/97816810848931170101

5- Seca, A. M. L.; Silva, A. M. S.; Pinto, D. C. G. A. (2017). "Parthenolide and parthenolide-like sesquiterpene lactones as multiple targets drugs: current knowledge and new developments" in: Studies in Natural Products Chemistry (Bioactive Natural Products), Atta-Ur-Rahman (Ed.). Elsevier Science Publishers - Amsterdam, The Netherlands. Vol 52. Chapter 9, pg. 337-372.

4-Seca, A. M. L.; Pinto, D. C. G. A.; Silva, A. M. S. (2015),"The Current Status of Bioactive Metabolites from the Genus *Juniperus*" in: Bioactive Phytochemicals: Perspectives for Modern Medicine. V. K. Gupta (Ed.) Vol. 3. M/S Daya Publishing House, New Delhi. Chapter 15, pg. 365- 408.

3- Isca, V. M. S.; Seca, A. M. L.; Pinto, D. C. G. A.; Silva, A. M. S. (2014), "An overview of *Salicornia* genus: the phytochemical and pharmacological profile" in: Natural Products: Research Review, Vol 2., Daya Publishing House, New Delhi. Chapter 7, pg 145-164.

2- Seca A.M.L., Silva A.M.S. (2006), "The chemical composition of the genus *Juniperus* (1970-2004)" in: Recent Progress in Medicinal Plants, Vol 16- Phytomedicines, Govil J.N. and Singh V.K. (Ed.), Studium Press, LLC Texas, Cap 20, pg. 401-522.

1- Silva, A.M.S.; Seca, A.M.L.; Vasconcelos, J.M.J.; Cavaleiro, J.A.S.; Silvestre, A.J.D.; Domingues, F.M.J.; Pascoal-Neto, C. (2002). "Chemical Composition of *Artemisia campestris* and *Hibiscus cannabinus*" in: Natural products in the new millennium: prospects and industrial application, A.P. Rauter et al. Eds, Kluwer Academic Publishers, Netherlands, pg. 47-57.

Papers

- 52- Zárata, R., Portillo, E., Teixidó, S., Carvalho, M.A.A.P., Nunes, N., Ferraz, S., Seca, A.M.L., Rosa, G.P., Barreto, M.C. **2020**. Pharmacological and Cosmeceutical Potential of Seaweed Beach-Casts of Macaronesia. *Applied Sciences*, 10, 5831; doi: 10.3390/app10175831 (IF2019= 2,474; Q2 Chemistry, Multidisciplinary)
- 51- Seca, A.M.L.; Moujir, L.M. Natural compounds: A dynamic field of applications. **2020**. *Applied Sciences*, 10, 4025; doi: 10.3390/app10114025 (IF2019= 2,474; Q2 Chemistry, Multidisciplinary).
- 50- Tavares, W.R.; Barreto, M.C.; Seca, A.M.L. **2020**. Uncharted source of medicinal products, the case of the *Hedychium* genus. *Medicines*, 7, 23; doi: 10.3390/medicines7050023 (PubMed).
- 49- Moujir, L.M.; Callies, O.; Sousa, P.M.C.; Sharopov, F.; Seca, A.M.L. **2020**. Applications of sesquiterpene lactones: A review of some potential success cases. *Applied Sciences*, 10, e3001. doi: 10.3390/app10093001 (IF2019= 2,474; Q2 Chemistry, Multidisciplinary).
- 47- Rosa, G. P.; Barreto, M. C.; Pinto, D. C. G. A.; Seca, A.M.L. **2020**. A Green and simple protocol for extraction and application of a peroxidase-rich enzymatic extract. *Methods Protoc.* 2020, 3, 25. doi: 10.3390/mps3020025 (Indexed in Pubmed).
- 46- Rosa, G. P.; Sousa, P.; Tavares, W. R.; Pagès, A. K.; Seca, A. M. L.; Pinto, D. C. G. A. **2020**. Seaweeds secondary metabolites with beneficial health effects: An overview of successes in in vivo studies and clinical trials. *Mar. Drugs*, 18, 8. doi: 10.3390/md18010008 (IF2018: 3.772; Q1 medicinal Chemistry).
- 45- Salehi, B.; Sharifi-Rad, J.; Seca, A. M. L.; Pinto, D. C. G. A.; Michalak, I.; Trincone, A.; Mishra, A. P.; Nigam, M.; Zam, W.; Martins, N. **2019**. Current trends on seaweeds: Looking at chemical composition, phytopharmacology, and cosmetic applications. *Molecules*, 24, e4182. doi: 10.3390/molecules24224182. (IF2018: 3.060; Q2 Biochemistry & Molecular Biology)
- 44- Silva, P. T. M.; Silva, M. A. F.; Silva, L.; Seca, A. M. L. **2019**. Ethnobotanical knowledge in Sete Cidades, Azores archipelago: First ethnomedicinal report. *Plants*, 8, e256. doi: 10.3390/plants8080256 (IF 2.632; Q2 Plant Sciences).
- 43- Salehi, B.; Iriti, M.; Vitalini, S.; Antolak, H.; Pawlikowska, E.; Kręgiel, D.; Sharifi-Rad, J.; Oyeleye, S. I.; Ademiluyi, A. O.; Czopek, K.; Staniak, M.; Custódio, L.; Coy-Barrera, E.; Segura-Carretero, A.; Cádiz-Gurrea, M. da L.; Capasso, R.; Cho, W. C.; Seca, A. M. L. **2019**. Euphorbia-derived natural products with potential for use in health maintenance. *Biomolecules* 9, e337. doi: 10.3390/biom9080337 (IF 4.694; Q1 Biochemistry & Molecular Biology).
- 42- Rosa, G. P.; Seca, A. M. L.; Barreto, M. C.; Silva, A. M. S.; Pinto, D. C. G. A. **2019**. Chalcones and flavanones bearing hydroxyl and/or methoxyl groups: Synthesis and biological assessments. *Appl. Sci.*, 9, e2846. doi: 10.3390/app9142846 (IF2018 2.217; Q3 Chemistry, Multidisciplinary).

- 41- Seca, A. M. L.; Pinto, D. C. G. A. **2019**. Biological potential and medical use of secondary metabolites. *Medicines*. 6, e66. doi: 10.3390/medicines6020066. (Indexed in Pubmed).
- 40- Tavares, W. R.; Seca, A. M. L. **2019**. *Inula* L. secondary metabolites against oxidative stress-related human diseases. *Antioxidants*. 8, e122; doi:10.3390/antiox8050122. (IF2018: 4.520; Q1 Chemistry, Medicinal).
- 39- Rosa, G. P.; Barreto, M. C.; Seca, A. M. L. **2019**. Pharmacological effects of *Fucus spiralis* extracts and phycochemicals: a comprehensive review. *Bot. Mar.* 62, 167-178. doi: 10.1515/bot-2018-0047. (IF2018: 0.919; Q3 Marine & Freshwater Biology).
- 38- Rocha, D. H. A.; Seca, A. M. L.; Pinto, D. C. G. A. **2018**. Seaweed secondary metabolites *in vitro* and *in vivo* anticancer activity. *Mar. Drugs*. 16, e410, doi: 10.3390/md16110410 (IF2017: 4.379; Q1 Chemistry, Medicinal).
- 37- Tavares, W. R.; Seca, A. M. L. **2018**. The current status of pharmaceutical potential of *Juniperus* L. metabolites. *Medicines* 5, e81. doi: 10.3390/medicines5030081. (Indexed in Pubmed).
- 36- Seca, A. M. L.; Gouveia, V. L. M.; Barreto, C.; Silva, A. M. S.; Pinto, D. C. G. A. **2018**. Comparative study by GC-MS and chemometrics on the chemical and nutritional profile of *Fucus spiralis* L. juvenile and mature life-cycle phases. *J. Appl. Phycol.* 30, 2539-2548. doi: 10.1007/s10811-018-1447-9. (IF2017: 2.401; Q1 Marine & Freshwater Biology).
- 35- Seca, A. M. L.; Pinto, D. C. G. A. **2018**. Overview on the antihypertensive and anti-obesity effects of secondary metabolites from seaweeds. *Mar. Drugs*. 16, e237. doi:10.3390/md16070237. (IF2017: 4.379; Q1 Chemistry medicinal).
- 34- Seca, A. M. L.; Pinto, D. C. G. A. **2018**. Plant secondary metabolites as anticancer agents: Successes in clinical trials and therapeutic application. *Int. J. Mol. Sci.* 19, e263. doi: 10.3390/ijms19010263. (IF2016: 3.687; Q2 Chemistry, multidisciplinary).
- 33- Ferreira, D.; Isca, V. M. S.; Leal, P.; Seca, A. M. L.; Silva, H.; Pereira, M. L. Silva, A. M. S.; Pinto, D. C. G. A. **2018**. *Salicornia ramosissima*: Secondary metabolites and protective effect against acute testicular toxicity. *Arabian J. Chem.* 11, 70–80. doi: 10.1016/j.arabjc.2016.04.012 (IF2016: 2,969; Q1 Chemistry, multidisciplinary)
- 32- Rosa, G. P.; Seca, A. M. L.; Barreto, M. C.; Pinto, D. C. G. A. **2017**. Chalcone: A valuable scaffold upgrading by green methods. *ACS Sustainable Chem. Eng.* 5, 7467–7480. doi: 10.1021/acssuschemeng.7b01687 (IF: 2016 5.951; Q1 Green & Sustainable Science & Technology)
- 31- Faustino, M.; Seca, A. M. L.; Silveira, P.; Silva, A. M. S.; Pinto, D. C. G. A. **2017**. Gas chromatography–mass spectrometry profile of four *Calendula* L. taxa: A comparative analysis. *Ind. Crop. Prod.* 104, 91-98. <http://dx.doi.org/10.1016/j.indcrop.2017.04.029> (IF2015: 3.449; Q1 Agronomy)
- 30- Ferreira, D.; Seca, A. M. L.; Pinto, D. C. G. A.; Silva, A. M. S. **2016**. Targeting human pathogenic bacteria by siderophores: A proteomics review. *J. Proteomics*. 145, 153-

166. 10.1016/j.jprot.2016.04.006. (IF2015: 3.867, Q1 Biochemical research methods)
- 29- Cardoso, S. M.; Pereira, O. R.; Seca, A. M. L.; Pinto, D. C. G. A.; Silva, A. M. S. **2015**. Seaweeds as preventive agents for cardiovascular diseases: from nutrients to functional foods. *Mar. Drugs*, 13, 6838-6865. doi: 10.3390/md13116838. (IF2015: 3.345, Q1 Chemistry)
- 28- Silva, B.; Seca, A. M. L.; Barreto, M. C.; Pinto, D. C. G. A. **2015**. Recent breakthroughs in the antioxidant and anti-inflammatory effects of *Morella* and *Myrica* species", *Int. J. Mol. Sci.* 16, 17160 - 17180. doi: 10.3390/ijms160817160. (IF2015: 3.257, Q2 Chemistry)
- 27- Seca, A. M. L.; Pinto, D. C. G. A.; Silva, A. M. S. **2015**. Metabolomic profile of the genus *Inula*. *Chem. Biodiver.* 12, 859 - 906. doi: 10.1002/cbdv.201400080. (IF2015: 1.444. Q3 Chemistry)
- 26- Isca, V. M. S.; Seca, A. M. L.; Pinto, D. C. G. A.; Silva, H.; Silva, A. M. S. **2015**. Saliramophenol, an unprecedented natural *t*-butylphenol derivative from *Salicornia ramosissima* J. Woods, *RSC Adv.* 75, 61380 - 61382. doi: 10.1039/C5RA10893D. (IF2015: 3.289; Q2 Chemistry)
- 25- Oliveira, N.; Medeiros, S.; Rosa, J. S.; Barreto, M. C.; Seca, A. M. L. **2015**. Anti-acetylcholinesterasic, antioxidant and antibacterial activities of *Juniperus brevifolia* extracts. *Integr. Pharm. Toxicol. Genotoxicol.* 1, 57 - 60. doi: 10.15761/IPTG.1000111
- 24- Isca, V. M.S.; Seca, A. M. L.; Pinto, D. C. G.; Silva, H.; Silva, A. M. S. **2014**. Lipophilic profile of the edible halophyte *Salicornia ramosissima*. *Food Chem.* 165, 330 - 336. doi: 10.1016/j.foodchem.2014.05.117. (IF2015: 4.052, Q1 Applied chemistry)
- 23- Seca, A. M. L.; Grigore, A.; Pinto, D. C. G. A.; Silva, A. M. S. **2014**. The genus *Inula* and their metabolites: From ethnopharmacological to medicinal uses. *J. Ethnopharmacol.* 154, 286 - 310. doi: 10.1016/j.jep.2014.04.010. (IF2015: 3.055, Q1 Plant science)
- 22- Seca, A. M. L.; Leal, S.; Pinto, D. C. G.; Barreto, M. C.; Silva, A. M. S. **2014**. Xanthenedione derivatives, new promising antioxidant and acetylcholinesterase inhibitor agents. *Molecules* 19, 8317 - 8333. doi: 10.3390/molecules19068317. (IF2015: 2.465, Q2 Chemistry)
- 21- Gouveia, V.; Seca, A. M. L.; Barreto, M. C.; Pinto, D. C. G. A. **2013**. Di- and sesquiterpenoids from *Cystoseira* genus: structure, intra-molecular transformations and biological activity. *Mini-Rev. Med. Chem.* 13, 1150-1159. (IF2015: 2.841, Q2 Medicinal chemistry)
- 20- Gouveia, V.; Seca, A. M. L.; Barreto, M. C.; Neto, A.; Kijjoa, A.; Silva, A.M. S. **2013**. Cytotoxic meroterpenoids from *Cystoseira abies-marina*. *Phytochemistry Lett.*, 6, 593-597. (IF2015: 1.353, Q2 Plant Science)
- 19- Silva, M.; Vieira, L. M.; Almeida, A. P.; Silva, A. M. S.; Seca, A. M. L.; Barreto, M. C.; Neto, A. I.; Pedro, M.; Pinto, E.; Kijjoa, A. Chemical study and biological activity evaluation of two Azorean Macroalgae: *Ulva rigida* and *Gelidium microdon*.

Oceanography: open access **2013**, 1, 102 - 109. doi: 10.4172/2332-2632.1000102

- 18- Barreto, M. C.; Mendonça, E.; Gouveia, V.; Anjos, C.; Medeiros, J. S.; Seca, A. M. L.; Neto, A. I. M. A. **2012**. Macroalgae from S. Miguel Island as a potential source of antiproliferative and antioxidant products. *Arquipelago: Life and Marine Sciences*, 29, 53 - 58.
- 17- Pinto, D. C. G. A.; Seca, A. M. L.; Leal, S. B.; Silva, A. M. S.; Cavaleiro, J. A. S. **2011**. A Novel Short-step Synthesis of New Xanthenedione Derivatives from the Cyclization of 3-Cinnamoyl-2-styrylchromones. *Synlett*, 14, 2005-2008. (IF2015: 2.323, Q2 Organic Chemistry)
- 16- Moujir, L. M.; Seca, A. M. L.; Araujo, L.; Silva, A. M. S.; Barreto, M. C. **2011**. A new natural spiro heterocyclic compound and the cytotoxic activity of the secondary metabolites from *Juniperus brevifolia* leaves. *Fitoterapia*, 82, 225-229. (IF2015: 2.408, Q3 Medicinal chemistry)
- 15- Seca, A. M. L.; Silva, A. M. S. **2010**. A new 4',7-epoxy-8,3'-oxyneolignan from acetone extract of *Juniperus brevifolia* leaves. *Phytochem. Lett.* 3, 126–128. (IF2015: 1.353, Q2 Plant Science)
- 14- Moujir, L. M.; Seca, A. M. L.; Silva, A. M. S.; Barreto, M. C. **2008**. Cytotoxic activity of diterpenes and extracts of *Juniperus brevifolia*. *Planta Med.*, 74, 751-753. (IF2015: 1.990, Q3 Medicinal chemistry)
- 13- Seca, A. M. L.; Pinto, D. C. G. A.; Silva, A. M. S. **2008**. Structural elucidation of pimarane and isopimarane diterpenoids: The ¹³C NMR contribution. *Nat. Prod. Comm.*, 3, 399-412. (IF2015: 0.884, Q4 Chemistry)
- 12- Seca, A. M. L.; Silva, A. M. S.; Bazzocchi, I. L.; Jimenez, I. A. **2008**. Diterpene composition of leaves from *Juniperus brevifolia*. *Phytochemistry*, 69, 498-505. (IF2015: 2.779, Q1 Plant Science)
- 11- Seca, A. M. L.; Silva, A. M. S. **2008**. The chemical constituents of hexane extract from bark of *Juniperus brevifolia*. *Nat. Prod. Res.*, 22, 975-983. (IF2015: 1.057, Q3 Applied chemistry)
- 10- Moujir, L.; Seca, A. M. L.; Silva, A. M. S.; López, M. R.; Padilla, N.; Cavaleiro, J. A. S.; Neto, C. P. **2007**. Cytotoxic activity of lignans from Kenaf (*Hibiscus cannabinus*). *Fitoterapia*, 78, 385-387. (IF2015: 2.408, Q3 Medicinal chemistry)
- 9- Seca, A. M. L.; Domingues, F. M. J. **2006**. Basic density and pulp yield relationship with some chemical parameters in Eucalyptus trees. *Brazilian J. Agric. Res.*, 41, 1687-1691. (IF2015: 0.564, Q3 Agriculture)
- 8- Seca, A. M. L.; Silva, A. M. S.; Silvestre, A. J. D.; Cavaleiro, J. A. S.; Domingues, F. M. J.; Neto, C. P. **2001**. Lignanamide derivatives and other constituents from the bark of kenaf (*Hibiscus cannabinus*). *Phytochemistry* 58, 1219-1223. (IF2015: 2.779, Q1 Plant Science)
- 7- Seca, A. M. L.; Silva, A. M. S.; Silvestre, A. J. D.; Cavaleiro, J. A. S.; Domingues, F. M.

- J.; Neto, C. P. **2001**. Phenolic constituents from the core of kenaf (*Hibiscus cannabinus*). *Phytochemistry* 56, 759-767. (IF2015: 2.779, Q1 Plant Science)
- 6- Seca, A. M. L.; Silva, A. M. S.; Silvestre, A. J. D.; Cavaleiro, J. A. S.; Domingues, F. M. J.; Neto, C. P. **2000**. Chemical Composition of light petroleum extract of *Hibiscus cannabinus* bark and core. *Phytochem. Anal.* 11, 345-350. (IF2015: 2.497, Q2 Analytical chemistry)
- 5- Seca, A. M. L.; Cavaleiro, J. A. S.; Domingues, F. M. J.; Silvestre, A. J. D.; Evtuguin, D.; Pascoal-Neto, C. **2000**. Structural characterization of the lignin from nodes and internodes of *Arundo donax*. *J. Agric. Food Chem.* 48, 817-824. (IF2015: 2.857, Q1 Chemistry applied)
- 4- Seca, A. M. L.; Cavaleiro, J. A. S.; Domingues, F. M. J.; Silvestre, A. J. D.; Evtuguin, D.; Pascoal-Neto, C. **1998**. Structural characterization of the bark and core lignins from kenaf (*Hibiscus cannabinus*). *J. Agric. Food Chem.* 46, 3100-3108. (IF2015: 2.857, Q1 Chemistry applied)
- 3- Pascoal-Neto, C. Seca, A.; Nunes, A. M.; Coimbra, M. A.; Domingues, F.; Evtuguin, D.; Silvestre, A.; Cavaleiro, J. A. S. **1997**. Variations in chemical composition and structure of macromolecular components in different morphological regions and maturity of *Arundo donax*. *Ind. Crops Prod.* 6, 51-58. (IF2015: 3.449, Q1 Agriculture Engineering)
- 2- Pascoal-Neto, C. Seca, A.; Fradinho, A.; Coimbra, M. A.; Domingues, F.; Evtuguin, D.; Silvestre, A.; Cavaleiro, J. A. S. **1996**. Chemical composition and structural features of the macromolecular components of *Hibiscus cannabinus* grown in Portugal. *Ind. Crops Prod.* 5, 189-196. (IF2015: 3.449, Q1 Agriculture Engineering)
- 1- Pascoal-Neto, C.; Cordeiro, N.; Seca, A.; Domingues, F.; Gandini, A.; Robert, D. **1996**. Isolation and characterization of lignin-like polymer of cork of *Quercus suber* L.", *Holzforschung.* 50, 563-568. (IF2015:1.711, Q1 Material Science)

Proceedings

- 10- Lesenfants, M.L. Seca, A.M.L.; Silva, A.M.S.; Pinto, D.C.G.A. GC- and UHPLC-MS profiles as a tool to valorize the red alga *Asparagopsis armata*. Conference Report XVI International Symposium on Marine Natural Products|XI European Conference on Marine Natural Products. *Mar. Drugs* **2020**, 18, 40, pg. 72-73; <https://doi.org/10.3390/md18010040>.
- 9- Rosa, G.P.; Costa, A.; Medeiros, D.; Seca, A.M.L.; Barreto, M.C. Anti-aging activity of *Lobophora variegata* ethanolic and methanolic extracts and their fractions. Conference Report XVI International Symposium on Marine Natural Products|XI European Conference on Marine Natural Products. *Mar. Drugs* **2020**, 18, 40, pg.149; <https://doi.org/10.3390/md18010040>.
- 8- Barreto, M. C.; Gouveia, V. L.; Rosa, G. P.; Seca, A. M. L. Searching for molecules against cancer in the Azores: plants, macroalgae and synthetic compounds. *Proceedings*, **2019**, 22, e61. Doi: 103390/proceedings2019022061.
- 7- Silva, B. J. C., Barreto, M. C., Silva, A. M. S., Seca, A. M. L., *Morella faya* (Aiton)

Wilbur leaves and bark: bioactivities and isolated compounds, 11th National Meeting of Organic Chemistry and 4th Meeting of Therapeutic Chemistry. Pharmaceuticals **2016**, 9, 30. P3. doi:10.3390/ph9010015 2015

- 6- Bettencourt, A., Pereira, J. M., Costa, A. C., Seca, A. M. L., Barreto, M. C., Antitumor activities of invasive alien species from the Azores, 11th National Meeting of Organic Chemistry and 4th Meeting of Therapeutic Chemistry. Pharmaceuticals **2016**, 9, 31-32. P6. doi:10.3390/ph9010015 2015.
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