

CURRICULUM VITAE

Name: Inês J. Seabra

Date of birth: July 24, 1968

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1. Education

- 2011, Ph.D. in Chemical Engineering, area of Chemical Processes, University of Coimbra, Portugal.
- 2001, M.S. in Biomedical Engineering, area of Radiation, Image and Image Processing, University of Coimbra, Portugal.
- 1992, B.S. in Chemical Engineering (top 2% of the year), University of Coimbra, Portugal.

2. Positions

- Visiting Assistant Professor, Lehigh University, Bioengineering Department, August 2018 – now.
- Assistant/Associate Professor, College of Agriculture, Poly. Inst. Coimbra, May 2011 – July 2018.
- Research Visiting Scholar, Chemical and Biomolecular Engineering Department, Rice University (Research Group of Professor Rafael Verduzco), August 2016 – May 2017.
- Lecturer, College of Agriculture, Poly. Inst. Coimbra, October 2001 – May 2011.
- Teaching Assistant, College of Agriculture, Poly. Inst. Coimbra, October 1998 – October 2001.
- Teaching Assistant, Chemical Eng. Dept., Univ. Coimbra, November 1992 – September 1993.

- Junior Teaching Assistant, Chemical Eng. Dept., Univ. Coimbra, December 1991 – November 1992.

3. Research interests

Her main doctoral and postdoctoral research interests were the extraction of high added-value compounds from agro-industrial wastes and other natural renewable plant products using sustainable and environmental-friendly processes, to employ as additives in food, cosmetic, pharmaceutical, agricultural and environmental applications.

Following her training at Rice University, she is now interested in the encapsulation of those extracted compounds in nano/micro polymer particles for different delivery purposes such as medical and agricultural ones.

4. Command of English

- Reading: excellent. Writing: excellent. Conversation: excellent.
- *December 1993 - June 1994*: English as a Second Language – High Advanced Speaking, Rice University, Houston, Texas, USA.
- *1994*: Test of English as a Foreign Language (TOEFL) (547)

5. Academic administrative experience

- Chair of the Graduate Committee of the Technological Specialization Degree in Food Quality, August 2010 – October 2016.
- Chair of the Department of Food Science and Technology of the College of Agriculture, June 2014 – June 2016.
- Chair of the Graduate Committee of the Undergraduate Program in Food Technology, September 2017 – July 2018.

6. Courses taught

At the University of Coimbra:

- Laboratorial Practices I (only tutorials, BS in Chemical Engineering, taught once, 1991-1992)
- Laboratorial Practices II (only tutorials, BS in Chemical Engineering, taught once, 1992)

- System Dynamics (only tutorials, BS in Chemical Engineering, taught once, 1992-1993)
- Automatic Process Control (only tutorials, BS in Chemical Engineering, taught once, 1993)

At the Polytechnic Institute of Coimbra:

- Unit Operations I (only tutorials, BS in Food Engineering, taught 3 times, 1998-2001)
- Unit Operations II (only tutorials, BS in Food Engineering, taught 3 times, 1998-2001)
- System Dynamics (only tutorials, BS in Food Engineering, taught 3 times, 1998-2001)
- Automatic Process Control (only tutorials, BS in Food Engineering, taught 3 times, 1998-2001)
- Transfer Phenomena I (only tutorials, BS in Food Engineering, taught once, 2000-2001)
- Transfer Phenomena II (only tutorials, BS in Food Engineering, taught once, 2000-2001)
- Unit Operations I (BS in Food Engineering, taught 5 times, 2001-2006)
- Unit Operations II (BS in Food Engineering, taught 5 times, 2001-2006)
- System Dynamics (BS and MS in Food Engineering, taught 14 times, 2001-now)
- Automatic Process Control (BS and MS in Food Engineering, taught 14 times, 2001-now)
- Introduction to Environmental Problems II (only tutorials, BS in Environmental Engineering, taught 2 times, 2003-2005)
- Technological Practices I (BS in Biotechnology, taught 8 times, 2007-now)
- Project of Product (Technological Specialization Course in Food Quality, taught 7 times, 2008-now)
- Project of Product (BS in Food Engineering, taught 7 times, 2008-now)
- Unit Operations in Biotechnology (BS in Biotechnology, taught 8 times, 2008-now)
- Food Analysis (BS in Food Engineering, taught 5 times, 2010-now)
- Unit Operations II (BS in Food Engineering, taught 4 times, 2011-now)
- Food Packaging (BS in Food Engineering, taught twice, 2015)
- Biopolymers (MS in Biotechnology, taught twice, 2015 and 2017)

At Lehigh University:

- BIOE 242 - Bioengineering Research (BS in Bioengineering, taught 3 times, 2018 and 2019)

- BIOE 343 - Integrated Biotechnology Laboratory (BS in Bioengineering, taught twice, 2018 and 2019)
- BIOE 20 - Bioengineering Sophomore Research Seminar (BS in Bioengineering, taught twice, 2018 and 2019)

7. Supervising experience

Supervision of 4-5 final course projects per year of Food Engineering and Biotechnology students (BS and MS), since 1998. The projects are mostly developed in food process industries or related companies.

Supervision of 3 laboratorial students in the Chemical Eng. Dept., Univ. Coimbra (2006-2007).

8. Participation in research projects

Aplicaciones Industriales de los Taninos Vegetales, Faculdade de Engenharia da Pontifícia Universidade Católica do Rio Grande do Sul/ Brazil. Funded by CYTED Programe, Ciencia y Tecnología para el Desarrollo, Promoción del Desarrollo Industrial, 2006-2008.

Bioactive wound dressings prepared by supercritical impregnation with natural drugs obtained from amazonian species, Chemical Eng. Dept., Univ. Coimbra. Funded by FCT (PTDC/SAU-BEB/71395/2006), 2007-2009.

BioNIO – Bioactive natural ingredients from Opuntia spp. Valorisation of plants from Alentejo, Instituto de Biologia Experimental e Tecnológica. Funded by FCT (PTDC/AGR-AAM/099645/2008), 2009-2011.

EcoVector - New eco-friendly approaches for the biomanagement of the pinewood nematode vector at Eurasia. Funded by FCT (PTDC/AGR-TEC/3049/2014), 2016-2018.

2Bio4cartilage - Integrated intervention program for prevention and treatment of cartilage lesions. Funded by FCT (IC&DT Portugal 2020, POCI-01-0145-FEDER-023423), 2017-2019.

SoSValor - Sustainable Solutions for the Valorisation of Plant Natural Products and Industrial Waste. Funded by FCT (IC&DT Portugal 2020, CENTRO-01-0145-FEDER-023631), 2017-2019.

9. Publications

Theses

1. **I.J. Seabra**, Immobilization of Proteases for Biomedical Applications. Master Thesis, School of Medicine, University of Coimbra, Portugal, 2001.
2. **I.J. Seabra**, Extraction of Valuable Compounds from Agro-Residues of Elder (*Sambucus nigra*), Pine (*Pinus pinaster*) and Tara (*Caesalpinia spinosa*). PhD Thesis, Chemical Eng. Dept., University of Coimbra, Portugal, 2011.

Book Chapters

1. **I.J. Seabra**, M.E.M. Braga, M.T.P. Batista, H.C. de Sousa, Extração fraccionada de taninos condensados de subprodutos de *Pinus pinaster* e *Sambucus nigra* L., in *Aplicaciones Industriales de los Taninos Vegetales*, Eds. E. Cassel, M.F. Vargas, E-book - CYTED and CNPq. EDIPUCRS, Porto Alegre, Brazil, 2007 (ISBN 978-85- 7430-674-2).
2. **I.J. Seabra**, M.E.M. Braga, P. Salgueiro, H.C. de Sousa, Extração da casca de pinheiro (*Pinus pinaster*): influência de aditivos no solvente de extração, in *Aplicaciones Industriales de los Taninos Vegetales*, Eds. E. Cassel, M.F. Vargas, E-book - CYTED and CNPq. EDIPUCRS, Porto Alegre, Brazil, 2008 (ISBN 978-85-7430-809-8).
3. A.M.A Dias, **I.J. Seabra**, M.E.M. Braga, M.H. Gil, H.C. de Sousa, Supercritical solvent impregnation of natural bioactive compounds in N-carboxybutyl chitosan and agarose membranes for the development of topical wound healing applications, in *Technologies for Medical Sciences*, 243-266, Springer, Netherlands, 2012 (ISBN: 978-94-007-4).
4. M.E.M. Braga, **I.J. Seabra**, A.M.A. Dias, H.C. de Sousa, Recent trends and perspectives for the extraction of natural products, in *Natural Products Extraction: Principles and Applications*, Eds: M. Rostagno, J. Prado. Royal Society of Chemistry, RSC Publishing, 2013 (ISBN: 978-1-84973-606-0).

Papers published in scientific journals with refereeing

1. **I.J. Seabra**, M.H. Gil, Cotton gauze bandage: a support for enzyme immobilization to use on anti-inflammatory treatment, *Brazilian Journal of Pharmaceutical Sciences*, 2007, 43 (4), 535-542.
2. M.E.M. Braga, R. Santos, **I.J. Seabra**, R. Facanali, M.O.M. Marques, H.C. de Sousa, Fractioned SFE of antioxidants from maritime pine bark, *Journal of Supercritical Fluids*, 2008, 47, 37-48.
3. **I.J. Seabra**, M.E.M. Braga, M.T.P. Batista, H.C. de Sousa, High pressure fractioned extraction of anthocyanins from *S. nigra* L. pomace, *Food and Bioprocess Technology: An International Journal*, 2010, 3, 674-683.
4. **I.J. Seabra**, M.E.M. Braga, M.T.P. Batista, H.C. Sousa, Effect of solvent (CO₂/EtOH/H₂O) on the fractionated enhanced solvent extraction of anthocyanins from elderberry pomace, *Journal of Supercritical Fluids*, 2010, 54, 145-152.
5. A.T. Serra, **I.J. Seabra**, M.E.M. Braga, M.R. Bronze, H.C. de Sousa, C.M.M. Duarte, Processing cherries (*Prunus avium*) using supercritical fluid technology. Part 1- Recovery of extract fractions rich in bioactive compounds, *Journal of Supercritical Fluids*, 2010, 55, 184-191.
6. A.M.A. Dias, **I.J. Seabra**, M.E.M. Braga, M.H. Gil, H.C. de Sousa, Supercritical solvent impregnation of natural bioactive compounds in N-carboxybutyl chitosan membranes for the development of topical wound healing applications, *Journal of Controlled Release* 2010, 148, e21-e56.
7. L. Durães, A. Moutinho, **I.J. Seabra**, B.F.O. Costa, H.C. de Sousa, A. Portugal, Characterization of iron(III) oxide/hydroxide nanostructured materials produced by sol-

gel technology based on the $\text{Fe}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O} - \text{C}_2\text{H}_5\text{OH} - \text{CH}_3\text{CHCH}_2\text{O}$ system, *Materials Chemistry and Physics*, 130, 548-560, 2011.

8. A.M.A. Dias, M.E.M. Braga, **I.J. Seabra**, P. Ferreira, M.H Gil, H.C. de Sousa, Development of natural-based wound dressings impregnated with bioactive compounds and using supercritical carbon dioxide, *International Journal of Pharmaceuticals*, 408, 9-19, 2011.
9. J. Sánchez Martín, J. Beltrán de Heredia, **I.J. Seabra**, M.E.M. Braga, H.C. de Sousa, Adsorbent derived from *Pinus pinaster* tannin for cationic surfactant removal. *Journal of Wood Chemistry and Technology*, 32, 23-41, 2012.
10. A.M.A. Dias, P. Santos, **I.J. Seabra**, R.N.C. Júnior, M.E.M. Braga, H.C. de Sousa, Spilanthol from *Spilanthus acmella* flowers, leaves and stems obtained by selective supercritical carbon dioxide extraction, *Journal of Supercritical Fluids*, 61, 62-70, 2012.
11. **I.J. Seabra**, A.M.A. Dias, M.E.M. Braga, H.C. de Sousa, High pressure solvent extraction of maritime pine bark: Study of fractionation, solvent flow rate and solvent composition. *Journal of Supercritical Fluids*, 62, 135-148, 2012.
12. **I.J. Seabra**, M.E.M. Braga, H.C. de Sousa, Statistical mixture design investigation of CO_2 -EtOH- H_2O high pressure extractions from tara seed coat. *Journal of Supercritical Fluids*, 64, 9-18, 2012.
13. A.M.R.C. Alexandre, A.M.A. Dias, **I.J. Seabra**, A.A.T.G. Portugal, H.C. de Sousa, M.E.M. Braga, Biodiesel obtained from supercritical carbon dioxide oil of *Cynara cardunculus* L., *Journal of Supercritical Fluids*, 68, 52-63, 2012.
14. **I.J. Seabra**, R.B. Chim, P. Salgueiro, M.E.M. Braga, H.C. de Sousa, Influence of Solvent Additives on the Aqueous Extraction of Tannins from Pine Bark: Potential Extracts for Leather Tanning, *Journal of Chemical Technology and Biotechnology*, 93, 1169-1182, 2018.
15. **I.J. Seabra**, M.E.M. Braga, R.A. Oliveira, H.C. de Sousa, Two-step high pressure solvent extraction of walnut (*Juglans regia* L.) husks: $\text{scCO}_2 + \text{CO}_2/\text{ethanol}/\text{H}_2\text{O}$, *Journal of CO_2 Utilization*, 34, 375-385, 2019.
16. Marisa C. Gaspar, H.C. de Sousa **I.J. Seabra**, M.E.M. Braga, Environmentally-safe scCO_2 *P. pinaster* branches extracts: composition and properties, Accepted for publication in the *Journal of CO_2 Utilization* in December 2019.

Papers in conference proceedings with refereeing

1. **I.J. Seabra**, M.E.M. Braga, M.T.P. Batista, H.C. de Sousa, High pressure extraction of antioxidants from elderberry byproducts with CO_2 and H_2O . VII Iberoamerican Conference on Phase Equilibria and Fluid Properties for Process Design 2006. Morelia, Mexico, October 21-25, 2006. Proceedings and CD-rom.
2. **I.J. Seabra**, M.E.M. Braga, M.T.P. Batista, H.C. de Sousa, High pressure fractionated extraction of anthocyanins from *Sambucus nigra* L. byproducts. VII Iberoamerican Conference on Phase Equilibria and Fluid Properties for Process Design 2006. Morelia, Mexico, October 21-25, 2006. Proceedings and CD-rom.

3. **I.J. Seabra**, M.E.M. Braga, M.T.P. Batista, H.C. de Sousa, Extracting anthocyanins from *Sambucus nigra* L. byproducts. Prosciba 2007 - I Conferência Iberoamericana de Fluidos Supercríticos. Iguassu Falls, Brazil, April 10-13, 2007. Proceedings and CD-rom.
4. R. Santos, M.E.M. Braga, **I.J. Seabra**, H.C. de Sousa, Fractioned SFE of maritime pine bark (*Pinus pinaster*). Prosciba 2007 - I Conferência Iberoamericana de Fluidos Supercríticos. Iguassu Falls, Brazil, April 10-13, 2007. Proceedings and CD-rom.
5. **I.J. Seabra**, O. Gomes, M.E.M. Braga, H.C. de Sousa, Extraction kinetics of maritime pine (*Pinus pinaster*) bark by HPE using CO₂+EtOH. 11th European Meeting on Supercritical Fluids. Bellaterra, Spain, May 4-7, 2008. Proceedings and CD-rom.
6. **I.J. Seabra**, M.E.M. Braga, M.T.P. Batista, H.C. de Sousa, Fractioned HPE from elderberry pomace. 11th European Meeting on Supercritical Fluids. Bellaterra, Spain, May 4-7, 2008. Proceedings and CD-rom.
7. R.A. Oliveira, **I.J. Seabra**, M.E.M. Braga, H.C. de Sousa, Valorization of *Juglans regia* L. fruits through fractioned supercritical fluid extraction. VIII Iberoamerican Conference on Phase Equilibria and Fluid Properties for Process Design - Equifase 2009. Praia da Rocha, Portugal, October 17-21, 2009. Proceedings and CD-rom.
8. **I.J. Seabra**, M.E.M. Braga, R.A. Oliveira, P.B. Goyzueta, H.C. de Sousa¹, Tara seed coats extraction using CO₂-EtOH-H₂O high pressure homogeneous solvent mixtures. VIII Iberoamerican Conference on Phase Equilibria and Fluid Properties for Process Design - Equifase 2009. Praia da Rocha, Portugal, October 17-21, 2009. Proceedings and CD-rom.
9. **I.J. Seabra**, M.E.M. Braga, H.C. de Sousa, Separation of volatile fractions from elder flowers by supercritical CO₂ extraction. Prosciba 2010 - II Iberoamerican Conference on Supercritical Fluids, April 4-9, 2010, Natal, Brazil. Proceedings and CD-rom.
10. M.E.M. Braga, **I.J. Seabra**, A.A. Dias, P. Ferreira, J.T. Liberal, J.M. Gaspar, M.H. Gil, A.F. Ambrósio, R. Carvalho Júnior, H.C. de Sousa, Anti-inflammatory activity of jucá (*Caesalpinia ferrea*). Prosciba 2010 - II Iberoamerican Conference on Supercritical Fluids. Natal, Brazil, April 4-9, 2010. Proceedings and CD-rom.
11. A.M.A. Dias, **I.J. Seabra**, M.E.M. Braga, R.N.C. Júnior, H.C. de Sousa, SFE and ESE of Jambu (*Acmella oleracea*) main bioactive compounds. Prosciba 2010 - II Iberoamerican Conference on Supercritical Fluids. Natal, Brazil, April 4-9, 2010. Proceedings and CD-rom.
12. A.M.A. Dias, **I.J. Seabra**, M.E.M. Braga, M.H. Gil, H.C. de Sousa, Supercritical solvent impregnation of natural bioactive compounds in N-carboxybutyl chitosan membranes for the development of topical wound healing applications. 11th European Symposium on Controlled Drug Delivery, Egmond aan Zee, Amsterdam, The Netherlands, April 7-9, 2010. Proceedings (ISBN 978-90-365-3007-1).
13. A.M.R.C. Alexandre, A.M.A. Dias, **I.J. Seabra**, A.A.T.G. Portugal, H. C. de Sousa, M. E. M. Braga, Biodiesel obtained from supercritical carbon dioxide oil extracts of *Cynara cardunculus* L., 13th EMSF, European Meeting on Supercritical Fluids, Den Hague, The Netherlands, October 9-13, 2011.
14. **I.J. Seabra**, M.E.M. Braga, H.C. de Sousa, Application of a statistical mixture design in the pressurized solvent extraction from tara seed coats, 13th EMSF, European Meeting on Supercritical Fluids, Den Hague, The Netherlands, October 9-13, 2011.

15. A.M.A. Dias, P. Santos, **I.J. Seabra**, R N.C. Júnior, M.E.M. Braga, H.C. de Sousa, Activity of Extracts Obtained from the Flowers, Leaves and Stems of *Spilanthes oleracea* (Jambú) Using High Pressure Extraction, 13th EMSF, European Meeting on Supercritical Fluids, Den Hague, The Netherlands, October 9-13, 2011.
16. **I.J. Seabra**, M.E.M. Braga, H.C. de Sousa, Application of a statistical mixture design in the pressurized solvent extraction from tara seed coats, ChemPor 2011, 11th International Chemical and Biological Engineering Conference, Lisbon, Portugal, September, 5-7, 2011.
17. A.M.R.C. Alexandre, A.M.A. Dias, **I.J. Seabra**, A.A.T.G. Portugal, H.C. de Sousa, M.E.M. Braga, Biodiesel obtained from supercritical carbon dioxide oil extracts of *Cynara cardunculus* L., ChemPor 2011, 11th International Chemical and Biological Engineering Conference, Lisbon, Portugal, September, 5-7, 2011.
18. N.A. Gañán, F. Bombaldi, A. Alexandre, A.M.A. Dias, **I.J. Seabra**, J. Zygodlo, E. Brignole, M.E.M. Braga, H. C. de Sousa, Anti-inflammatory activity of *Chelidonium majus* extracts obtained by scCO₂, 10th International Symposium on Supercritical Fluids, San Francisco, CA, USA, May 13-16, 2012.
19. M.C. Gaspar, H.C. de Sousa, **I.J. Seabra**, M.E.M. Braga, Extracting the natural insecticide abietadiene from *P. pinaster* branches using scCO₂, International Symposium on Supercritical Fluids, Antibes-Juan-les-Pins, France, April 22-25, 2018.

10. Presentations

Talks

1. **I.J. Seabra**, M.E.M. Braga, M.T.P. Batista, H.C. de Sousa, High pressure extraction of antioxidants from elderberry byproducts with CO₂ and H₂O. VII Iberoamerican Conference on Phase Equilibria and Fluid Properties for Process Design 2006. Morelia, Mexico, October 21-25, 2006.
2. **I.J. Seabra**, M.E.M. Braga, M.T. Batista, H.C. de Sousa, High pressure extraction of antioxidants from elderberry byproducts. Workshop in Pharmaceutical and Biomedical Sciences, "Search for Drugs from Natural Sources", Faculty of Pharmacy, University of Coimbra, Coimbra, Portugal, October 30, 2008.
3. A.M.R.C. Alexandre, A.M.A. Dias, **I.J. Seabra**, A.A.T.G. Portugal, H. C. de Sousa, M. E. M. Braga, Biodiesel obtained from supercritical carbon dioxide oil extracts of *Cynara cardunculus* L., 13th EMSF, European Meeting on Supercritical Fluids, Den Hague, The Netherlands, October 9-13, 2011.
4. F.M. Santos, C.I.C. Galhano, P.C.O. Castro, M.E.M. Braga, **I.J. Seabra**, Avaliação da actividade nematocida de extractos aquosos de resíduos de fava, II Congresso nacional das Escolas superiores Agrárias, Elvas, Portugal, November 16-18, 2017.
5. **I.J. Seabra**, R.A. Oliveira, M.E.M. Braga, H.C. de Sousa, Potencial da extracção a alta pressão para valorização de resíduos de noz, II Congresso nacional das Escolas superiores Agrárias, Elvas, Portugal, November 16-18, 2017.

6. M.C. Gaspar, H.C. de Sousa, **I.J. Seabra**, M.E.M. Braga, Extracting the natural insecticide abietadiene from *P. pinaster* branches using scCO₂, International Symposium on Supercritical Fluids, Antibes-Juan-les-Pins, France, April 22-25, 2018.
7. P.A.N. Dias, C. Mesquita, M. Henriques, C. Galhano, A. Veloso, C. Malça, P. Morouço, **I.J. Seabra**, Extraction of cellulose microfibrils from corncob waste for innovative biomedical applications, 5th International ISEKI Food Conference, Stuttgart, Germany, July 3-5, 2018.

Seminar Talks

1. **I.J. Seabra**, Flash nanoprecipitation, Chemical and Biomolecular Engineering Department, Rice University, May 2017.

Posters

1. **I.J. Seabra**, M.T.P. Batista, H.C. de Sousa, Supercritical CO₂ and CO₂+ethanol extraction of antioxidants from elderberry (*Sambucus nigra* L.) byproducts. Chempor 2005 - 9th International Chemical Engineering Conference. Coimbra, Portugal, September 21-23, 2005.
2. **I.J. Seabra**, M.E.M. Braga, M.T.P. Batista, H.C. de Sousa, High pressure fractioned extraction of anthocyanins from *Sambucus nigra* L. byproducts. VII Iberoamerican Conference on Phase Equilibria and Fluid Properties for Process Design 2006. Morelia, Mexico, October 21-25, 2006.
3. **I.J. Seabra**, M.E.M. Braga, M.T.P. Batista, H.C. de Sousa, High pressure extraction of antioxidants from elderberry byproducts with CO₂ and H₂O. VII Iberoamerican Conference on Phase Equilibria and Fluid Properties for Process Design 2006. Morelia, Mexico, October 21-25, 2006.
4. **I.J. Seabra**, M.E.M. Braga, M.T.P. Batista, H.C. de Sousa, Extracting anthocyanins from *Sambucus nigra* L. byproducts. Prosciba 2007 - I Conferência Iberoamericana de Fluidos Supercríticos. Iguassu Falls, Brazil, April 10-13, 2007.
5. R. Santos, M.E.M. Braga, **I.J. Seabra**, H.C. de Sousa, Fractioned SFE of maritime pine bark (*Pinus pinaster*). Prosciba 2007 - I Conferência Iberoamericana de Fluidos Supercríticos. Iguassu Falls, Brazil, April 10-13, 2007.
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8. R.A. Oliveira, **I.J. Seabra**, M.E.M. Braga, H.C. de Sousa, Valorization of *Juglans regia* L. fruits through fractioned supercritical fluid extraction. VIII Iberoamerican Conference on Phase Equilibria and Fluid Properties for Process Design - Equifase 2009. Praia da Rocha, Portugal, October 17-21, 2009.

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10. **I.J. Seabra**, M.E.M. Braga, H.C. de Sousa, Separation of volatile fractions from elder flowers by supercritical CO₂ extraction. Prosciba 2010 - II Iberoamerican Conference on Supercritical Fluids. Natal, Brazil, April 4-9, 2010.
11. M.E.M. Braga, **I.J. Seabra**, A.A. Dias, P. Ferreira, J.T. Liberal, J.M. Gaspar, M.H. Gil, A.F. Ambrósio, R. Carvalho Júnior, H.C. de Sousa, Anti-inflammatory activity of jucá (*Caesalpinia ferrea*). Prosciba 2010 - II Iberoamerican Conference on Supercritical Fluids. Natal, Brazil, April 4-9, 2010.
12. A.M.A. Dias, **I.J. Seabra**, M.E.M. Braga, R.N.C. Júnior, H.C. de Sousa, SFE and ESE of jambu (*Acmella oleracea*) main bioactive compounds. Prosciba 2010 - II Iberoamerican Conference on Supercritical Fluids. Natal, Brazil, April 4-9, 2010.
13. A.M.A. Dias, **I.J. Seabra**, M.E.M. Braga, M.H. Gil, H.C. de Sousa, Supercritical solvent impregnation of natural bioactive compounds in N-carboxybutyl chitosan membranes for the development of topical wound healing applications. 11th European Symposium on Controlled Drug Delivery, Egmond aan Zee. Amsterdam, The Netherlands, April 7-9, 2010.
14. **I.J. Seabra**, M.E.M. Braga, H.C. de Sousa, Application of a statistical mixture design in the pressurized solvent extraction from tara seed coats, 13th EMSF, European Meeting on Supercritical Fluids, Den Hague, The Netherlands, October 9-13, 2011.
15. A.M.A. Dias, P. Santos, **I.J. Seabra**, R N.C. Júnior, M.E.M. Braga, H.C. de Sousa, Activity of Extracts Obtained from the Flowers, Leaves and Stems of *Spilanthes oleracea* (Jambú) Using High Pressure Extraction, 13th EMSF, European Meeting on Supercritical Fluids, Den Hague, The Netherlands, October 9-13, 2011.
16. **I.J. Seabra**, M.E.M. Braga, H.C. de Sousa, Application of a statistical mixture design in the pressurized solvent extraction from tara seed coats, ChemPor 2011, 11th International Chemical and Biological Engineering Conference, Lisbon, Portugal, September 5-7, 2011.
17. A.M.R.C. Alexandre, A.M.A. Dias, **I.J. Seabra**, A.A.T.G. Portugal, H.C. de Sousa, M.E.M. Braga, Biodiesel obtained from supercritical carbon dioxide oil extracts of *Cynara cardunculus* L., ChemPor 2011, 11th International Chemical and Biological Engineering Conference, Lisbon, Portugal, September 5-7, 2011.
18. A.T. Serra, M. Bordalo, **I.J. Seabra**, M.R. Bronze, A.P. Terasso, C. Brito, M.E.M. Braga, M. Serra, H.C. de Sousa, C.M.M. Duarte, Recovery of antioxidant compounds from Bravo de Esmolfe apple variety using high pressure technology, EMSF2017, 16th European Meeting on Supercritical Fluids, Lisbon, Portugal, April 25-28, 2017.
19. I. Rocha, I. Rodrigues, **I.J. Seabra**, Nematicidal potential of aqueous extracts of strawberry tree leaves and flowers, Green Extraction of Natural Products III Edition, Bari, Italy, November 12-13, 2018.
20. S. Barbosa, **I.J. Seabra**, M. Braga, M. Henriques, Cristina Galhano, Faba bean (*Vicia faba*) pod: a waste or an ecofriendly nematicide?, XII CIBIA 2019, Faro, Portugal, July 1-4, 2019.

21. Cristina Galhano, **Inês J. Seabra**, Sara Barbosa, Paula Lorenzo, Marta Henriques, Bio-innovative potential of Portuguese Beira Interior natural resources, 5th European Ecological Federation (EEF) Congress, Lisbon, Portugal, July 29 – August 2, 2019.
22. J. Domingues, D.F. Frazão, J. Raimundo, C.M.B.S. Pintado, M. Goulão, **I.J. Seabra**, F. Delgado, Essential oil of *Lavandula pedunculata* from Portugal: chemical profile and biological activities, 50th International Symposium on Essential Oils, Vienna, Austria, September 9-11, 2019.
23. Cristina Galhano, **Inês J. Seabra**, Marisa Gaspar, Sara Barbosa, Paula Lorenzo, Marta Henriques, Beira Interior endogenous plant species as potential source of innovative added value products, CNESA - Congresso Nacional das Escolas Superiores Agrárias, Viseu, Portugal, November 14-15, 2019.