

DOCTORADO EN CIENCIAS AGROALIMENTARIAS

Jessica López Pastén

Publicaciones (2016- presente)

1. **López J**, Vera C, Bustos R, Florez-Mendez J. 2020. Native berries of Chile: a comprehensive review on nutritional aspects, functional properties, and potential health benefits. *Journal of Food Measurement and Characterization*, <https://doi.org/10.1007/s11694-020-00699-4>. Q2.
2. García V, Uribe E, Vega-Gálvez A, Delporte C, Valenzuela-Barra G, **López J**, Pastén A. 2020. Health-promoting activities of edible seaweed extracts from Chilean coasts: assessment of antioxidant, anti-diabetic, anti-inflammatory and antimicrobial potential. *Revista Chilena de Nutrición*, 47: 792-800. Q4.
3. Simirgiotis MJ, Burton D, Parra F, **López J**, Muñoz P, Escobar H, Parra C. 2020. Antioxidant and antibacterial capacities of *Origanum vulgare* L. essential oil from the arid Andean Region of Chile and its chemical characterization by GC-MS, *Metabolites* 10: 0414. Q2.
4. Vera C, Ubilla C, Guerrero C, **López J**, Flórez-Méndez J, Bustos R. 2020. Oligosacáridos y polisacáridos no digeribles: una Fuente de salud para los adultos mayores. *Revista Chilena de Nutrición*, 47(5): 848-864. Q4.
5. Uribe E, Vega-Gálvez A, García V, Pasten A, **López J**, Di Scala K. 2020. Evaluation of physicochemical composition and bioactivity of red seaweed (*Pyropia orbicularis*) as affected by different drying technologies. *Drying Technology*, 38 (9): 1218-1230. Q1.
6. Barragán J, Franco A, **López J**, Perez-Cervera C. 2019. Effect of Storage Conditions on Physicochemical Characteristics and Phenolic Compounds of Eggplant (*Solanum melongena* L.) *Revista de Ciencias Agrícolas*. 36(2): 5 – 16. Scielo.
7. **López J**, Vega-Gálvez A, Rodríguez A, Stucken K, Barraza C, Aguilera J. 2019. Relationship between antimicrobial activity, phenolic profile and antioxidant capacity of murta (*Ugni molinae* Turcz.) extracts prepared by different drying methods. *Journal of Berry Research* 9: 587-601. Q2.
8. Uribe E, Vega-Gálvez A, García V, Pastén A, **López J**, Goñi G. 2019. Effect of different drying methods on phytochemical content and amino acid and fatty acid profiles of the green seaweed, *Ulva* spp. *Journal of Applied Phycology* 31: 1967-1979. Q1.
9. **López J**, Vega-Gálvez A, Rodriguez A, Uribe E, Bilbao-Sainz C. 2018. Murta (*Ugni molinae* Turcz.): A review on chemical composition, functional components and biological activities of leaves and fruits. *Chilean Journal of Agricultural & Animal Sciences* 34: 1-14. Q4.
10. Ossandón MJ, Vega-Gálvez A, **López J**, Stucken K, Romero J, Di Scala K. 2018. Effects of high hydrostatic pressure processing and supercritical fluid extraction on bioactive compounds and antioxidant capacity of Cape gooseberry pulp (*Physalis peruviana* L.) *Journal of Supercritical Fluids* 138: 215-220. Q2.

## DOCTORADO EN CIENCIAS AGROALIMENTARIAS

11. **López J**, Vega-Gálvez A, Bilbao-Sainz C, Chiou B, Uribe E, Quispe-Fuentes I. 2017. Influence of vacuum drying temperature on: Physico-chemical composition and antioxidant properties of murta berries. *Journal of Food Process Engineering* 40: 1-9. Q3.
12. **López J**, Ah-Hen K, Vega-Gálvez A, Morales A, García-Segovia P, Uribe E. 2017. Effects of drying methods on quality attributes of murta (*Ugni molinae turcz*) berries: bioactivity, nutritional aspects, texture profile, microstructure and functional properties. *Journal of Food Process Engineering*, 40: 1-11. Q3.
13. **López J**, Vega-Gálvez A, Rodríguez A, Uribe E, Díaz P. 2016. Vacuum drying of Chilean murta (*Ugni molinae Turcz*) berries: Effect of temperature on kinetic parameters and assessment of energy consumption. *Journal of Food Processing and Preservation* 41: 1-8. Q3.
14. Vega-Gálvez A, Díaz R, **López J**, Galotto M, Esteban Reyes J, Perez-Won M, Puente-Díaz L, Di Scala K. 2016. Assessment of quality parameters and microbial characteristics of Cape gooseberry pulp (*Physalis peruviana L.*) subjected to high hydrostatic pressure treatment. *Food and Bioproducts Processing* 97: 30-40. Q1.

### Proyectos con financiamiento externo últimos 5 años (adjudicado y/o ejecutado)

1. Desarrollo de un núcleo de extractos bioactivos de especies naturales del sur de Chile como complemento inmunomodulador para el adulto mayor.  
Financiamiento: Segundo Concurso Idea en dos etapas-Temático Adulto Mayor 2018, Fondef.  
Rol: Investigador  
Duración: 2018-2020  
Año adjudicación: 2018
2. Application of diverse drying methods to Murta (*Ugni molinae Turcz*): Effect on physicochemical properties, antiproliferative and antimicrobial activity, bioactive compounds and antioxidant capacity  
Financiamiento: Fondecyt Regular 1140075  
Rol: Investigador Responsable  
Duración: 2014-2016  
Año de adjudicación: 2014