

Claudia Viviana Fuentealba Carrasco

Address: 1 norte 1481, apartment 1703
Viña del Mar, Chile. 2560564

Telephone: +56 32 227 4225

Cell phone: +56 9 9258 6142

Email: claudia.fuentealba@pucv.cl

Date of birth: February 25th, 1984

Age: 37 years old

Nationality: Chilean

ACADEMIC FORMATION

2013 **Doctor.** Food Science and Technology, University of Santiago of Chile.

2008 **Food Engineer.** Pontifical Catholic University of Valparaiso, Chile.

2008 **Bachelor in Food Engineer.** Pontifical Catholic University of Valparaiso, Chile.

PROFESSIONAL EXPERIENCE

2017 – Present Assistant Professor, School of Food, Faculty of Agronomical and Food Sciences, Pontifical Catholic University of Valparaiso (PUCV), Chile.

2015 – 2017 Postdoctoral Fellow. Postharvest Laboratory, School of Agronomy, Faculty of Agronomical and Food Sciences, PUCV, Chile.

RELEVANT SCIENTIFIC PUBLICATIONS

Fuentealba, C., Ejsmentewicz, T., Campos-Vargas, R., Saa, S., Aliaga, O., Chirinos, R., Campos, D., Pedreschi, R. (2021). Cell wall and metabolite composition of sweet cherry fruits from two cultivars with contrasting susceptibility to surface pitting during storage. *Food Chemistry* 342: 128307.

Uarrotta, V.G., Hernandez, I., Ponce, E., Vidal, J., **Fuentealba, C.,** Defilippi, B.G., Lindh, V., Zulueta, C., Chirinos, R., Campos, D., Pedreschi, R. (2020). Unravelling factors associated with 'blackspot' disorder in stored Hass avocado (*Persea americana* Mill) fruit. *The Journal of Horticultural Science and Biotechnology* 174: 111457.

Pedreschi, R., Uarrotta, V., **Fuentealba, C.,** Alvaro, J.E., Olmedo, P., Defilippi, B.G., Meneses, C., Campos-Vargas, R. (2019). Primary metabolism in avocado fruit. *Frontiers in Plant Science* 10: 475.

Zepeda, B., Olmedo, P., Ejsmentewicz, T., Sepúlveda, P., Balic, I., Balladares, C., Delgado-Rioseco, J., **Fuentealba, C.,** Moreno, A., Defilippi, B., Meneses, C., Pedreschi, R., Campos-Vargas, R. (2018). Cell wall and metabolite composition of berries of *Vitis vinifera* (L.) cv. Thompson Seedless with different firmness. *Food Chemistry* 268: 492-497.

Fuentealba, C., Hernández, I., Saa, S., Toledo, L., Burdiles, P., Chirinos, R., Campos, D., Brown, P., Pedreschi, R. (2017). Colour and in vitro quality attributes of walnuts from different growing conditions correlate with key precursors of primary and secondary metabolism. *Food Chemistry* 232: 664-672.

RELEVANT PROJECTS

- 2021** Principal Researcher. Project title: "Sweet cherry fruit cell wall remodelling with superficial pitting". Project DI Consolidate Research 039.365/2021, Research Department, PUCV, 2021.
- 2019 - 2020** Co-Researcher. Project title: "Research Center: Climate change and protected agriculture". Research Department, PUCV, 2019.
- 2018 – 2022** Co-Researcher. Project title: "Physiological status at harvest: key to predict postharvest ripening behaviour of Chilean Hass avocado". Project FONDECYT Regular 1180303, 2018.

RELEVANT CONGRESS AND SEMINARS

1. Ferreira, C., Ponce, E., Vidal, J., **Fuentealba, C.** y Pedreschi, R. (2020). Characterization of primary metabolites in the epidermis of avocado cv. Hass from different agroclimatic zones with the presence of 'Black Spot'. LXX Congreso Agronómico de Chile (Poster).
2. Ponce, E., Bravo, C., Vidal, J., Rubilar, M., Campos-Vargas, R., Pedreschi, R., **Fuentealba, C.** (2019). Changes related to the cell wall in cherries with superficial pitting. VI Annual Meeting of Physiology and Postharvest Technology. Santiago, Chile (Oral).

TEACHING EXPERIENCE

- 2019 – Present** "Philosophy of Science and Research Methodology" and "Instrumental Food Analysis" ". Doctoral Program in Agrifood Sciences, Faculty of Agronomical and Food Sciences, PUCV.
- 2015 – Present** "Food Analysis", "Technology of Agro industrial Products" and "Food Development and Formulation". Food Engineering, Faculty of Agronomical and Food Sciences, PUCV.

COACHING POSTGRADUATE STUDENTS

Currently, I am guiding 1 PhD and 1 Master student. Additionally, in the last four years I have guided 12 undergraduate students.

AWARDS

- 2018** Award for Distinguished Research. PUCV.
- 2016 – 2017** Award for Distinguished Teaching. PUCV.

LANGUAGES

English. Advanced level. Course held in Camelford Institute, Viña del Mar, Chile.

French. Intermediate level. Course held in Student Mobility Program, Pontifical Catholic University of Valparaíso, Chile.