

Curriculum Vitae

Name Ebenezer de Oliveira Silva
Affiliation Embrapa Agroindústria Tropical
Rua Dra. Sara Mesquita, 2270
Fortaleza, CE, Brazil
Zip code 60.511-110
Phone +55 85 33 91 72 04
E-mail ebenezer.silva@embrapa.br



Education

2010 Senior Internship at University of Massachusetts – Amherst, USA
2000 PhD in Plant Physiology at Federal University of Viçosa, Brazil
1994 MSc in Plant Science at Federal University of Viçosa, Brazil
1991 BSc in Agronomy at Federal University of Viçosa, Brazil

Employment

2002 - current Researcher at Embrapa Tropical Agroindustry, Brazil
1998-2002 Projects and consulting at Prover, Brazil

Management

Supervision: 5 post-docs, 14 PhDs, 17 MScs and 18 BSc
Work package leader in 5 Embrapa projects, 3 CNPq projects, and 3 Industry projects.
Guest reviewer for Brazilian and international scientific journals.

Research interest

Plant Science (Crop production techniques), Postharvest Physiology (raw-material quality), Postharvest Technology (conservation techniques), and Food Processing (fresh-cut and final product quality). The interrelations between the raw-material production, its postharvest physiology, postharvest techniques for maintaining its quality, and the final product quality. Different analytical methods (physical, chemical and physical-chemical methods) and non-destructive analysis, such as near infrared spectroscopy, digital images, nuclear magnetic resonance tomography, electronic fruit and others.

Selected Scientific Publications

- Lopes, M. M. de A., Silva, Ebenezer de O., Laurent, S., Charles, F., Urban, L., & de Miranda, M. R. A. (2017). The influence of pulsed light exposure mode on quality and bioactive compounds of fresh-cut mangoes. *Journal of Food Science and Technology*, 54(8), 2332-2340.
- Lopes, M. M.A.; Silva, Ebenezer de O.; Canuto, Kirley M.; Silva, Lorena M.A.; Gallão, Maria Izabel; Urban, Laurent; Ayala-Zavala, J. F.; Miranda, M. Raquel A. (2016). Low fluence pulsed light enhanced phytochemical content and antioxidant potential of Tommy Atkins mango peel and pulp. *Innovative Food Science & Emerging Technologies* 33:216-224.
- Ribeiro, Lívia D.; Silva, Ana M. da; Lima, Aliny al. de; Silva, Ebenezer de O.; Rinnan, Åsmund; Pasquini, Celio. (2016). Non-destructive determination of quality traits of cashew apples (*Anacardium occidentale*, L.) using a portable near infrared spectrophotometer. *Journal of Near Infrared Spectroscopy* 24: 77-82.
- Sousa, Aline Ellen D.; Fonseca, Kelem S.; Gomes, Wilny Karen S.; Silva, Ana Priscila M.; Silva, Ebenezer de O.; Puschmann, Rolf. (2016). Control of browning of minimally processed mangoes subjected to ultraviolet radiation pulses. *Journal of Food Science and Technology* 54: 253-259.

Nóbrega, Gabriel N.; Ferreira, Tiago O.; Siqueira Neto, M.; Queiroz, Hermano M.; Artur, Adriana G.; Mendonça, Eduardo de S.; Silva, Ebenezer de O.; Otero, Xosé L. (2016). Edaphic factors controlling summer (rainy season) greenhouse gas emissions (CO₂ and CH₄) from semiarid mangrove soils (NE-Brazil). *Science of the Total Environment* 542: 685-693.

Carvalho, Cristhyan Alexandre Carcia de; Silva, Ebenézer de Oliveira; Bezerra, Marlos Alves. (2014). Impact of climate change on plants, fruits and grains. *Revista Caatinga (Online)* 27: 205-212.

Selected Edited Books

Exotic Fruits Reference Guide (1st Edition) – Editors: Sueli Rodrigues, Ebenezer Silva and Edy de Brito, Hardcover
ISBN: 9780128031384, Academic Press, Published Date: 1st January 2018
<https://www.elsevier.com/books/exotic-fruits-reference-guide/rodrigues/978-0-12-803138-4>