

Roberto Carlos Burbano Villavicencio
Assistant Professor



Websites (ORCID: 0000-0003-3389-7814)

EDUCATION

- Ph.D. Plant Breeding, 2019, Universidade Estadual Paulista. Sao Paulo, Brazil.
- M.Sc. Agricultural Biotechnology, 2009. ESPOL Polytecnic University, Guayaquil - Ecuador.
- Agricultural Engineering, 2002, Agrarian University of Ecuador, Guayaquil - Ecuador.

SERVICE ON THIS FACULTY (3 years)

- 2019-present, Assistant Professor

OTHER RELATED EXPERIENCE

- 2012-2015, Associate Professor at Catholic University of Guayaquil, Ecuador.
- 2008-2009, Associate Professor at Agrarian University of Ecuador.

PUBLICATIONS LAST FIVE YEARS (5 of 8 Selected)

1. "Multiomic investigation of sugarcane mosaic virus resistance in sugarcane". Ricardo José Gonzaga Pimenta; Alexandre Hild Aono; **Roberto Carlos Villavicencio Burbano**; Marcel Fernando da Silva; Ivan Antônio dos Anjos; Marcos Guimarães de Andrade Landell; Marcos Cesar Gonçalves; Luciana Rossini Pinto; Anete Pereira de Souza. bioRxiv (2022).
2. "Marker-trait Association for Resistance to Sugarcane Mosaic Virus (SCMV) in a Sugarcane (*Saccharum* spp.) Panel". **Roberto C. Burbano V.**, Marcel F. da Silva, Alisson E. Coutinho, Marcos C. Gonçalves, Ivan A. dos Anjos, Luciana O. S. Anjos, Dilermando Perecin, Luciana R. Pinto. Sugar Tech (2022).
3. "Genome-wide approaches for the identification of markers and genes associated with sugarcane yellow leaf virus resistance". Ricardo José Gonzaga Pimenta, Alexandre Hild Aono, **Roberto Carlos Burbano V.**, Alisson Esdras Coutinho, Carla Cristina da Silva, Ivan Antônio dos Anjos, Dilermando Perecin, Marcos Guimarães de Andrade Landell, Marcos Cesar Gonçalves, Luciana Rossini Pinto, Anete Pereira de Souza. Scientific Report (2021).
4. "Screening of *Saccharum* spp. genotypes for sugarcane yellow leaf virus resistance by combining symptom phenotyping and highly precise virus titration". **Roberto Carlos Burbano Villavicencio**, Marcos C. Gonçalves, Paula M. Nobile, Ivan A. dos Anjos, Marcel F. da Silva, Dilermando Perecin, Luciana O.S. Anjos, Vivian B.V.R. Fernandes, Luciana R. Pinto. Crop Protection 144 (2021).

5. "Survey of the Bru1 gene for brown rust resistance in Brazilian local and basic sugarcane germplasm". Ana Caroline Neuber, Fernanda Raquel Camilo dos Santos, Juliana Borges da Costa, Maicon Volpin, Mauro Alexandre Xavier, Dilermando Perecin, **Roberto Carlos Burbano Villavicencio**, Marcos Guimarães de Andrade Landell, Luciana Rossini Pinto. Plant Breeding. April, (2017).

HONORS AND AWARDS

- Honorable Mention for having achieved First Place, at the VI ESPOLCiencia RESEARCH CONFERENCE in Life Sciences, held on November, 2007.
- First Honorable Mention for having obtained Third Place at the II ESPOLCiencia Research Conference - Environmental-Biotechnological Sciences on November, 2003.

INSTITUTIONAL AND PROFESSIONAL SERVICE

- International Accreditation of Agricultural and Biological Engineering Program Coordinator (2019 - present).
- Agricultural and Biological Engineering Program Coordinator (2011 - 2015).

TIME DISTRIBUTION

50% Research, 25% Committed to Chemical Engineering Program, 25% Committed to International Accreditation of Agricultural and Biological Engineering Program.