

**Maria Fernanda Ratti Torres**  
**Lecturer / Researcher**

 **Google Scholar:** <https://scholar.google.com/ec/citations?user=CntN0iAAAAAJ&hl=en>

**EDUCATION**

Ph.D. in Plant Pathology, 2018, University of Florida, Gainesville, FL. USA.

B.S. Biology, 2010, Escuela Superior Politécnica del Litoral (ESPOL), Guayaquil, Ecuador.

**SERVICE ON THIS FACULTY (4 years)**

2018-present, Assistant Professor

**OTHER RELATED EXPERIENCE**

Research Assistant at Centro de Investigaciones Biotecnológicas del Ecuador (Biotechnology Research Center of Ecuador). 2010-2014

**CONSULTING AND PATENTS (n/a)**

**STATE IN WHICH REGISTERED (n/a)**

**PUBLICATIONS LAST FIVE YEARS**

1. Marcos Vera-Morales, Rafael F. Castañeda-Ruiz, Daynet Sosa, Adela Quevedo, Jaime Naranjo-Moran, Lizette Serrano, María F. Ratti. Mecanismos de captura, colonización y alimentación empleados por parásitos y predadores de nematodos. Accepted in Revista Ecosistemas. 2022.
2. Maria F. Ratti, Jeffrey Vargas Perez, Lorena Monserrate, David Catagua, Hui-Ling Liao, Ismael Valderrama, Esther Peralta, Juan Cevallos-Cevallos. Characterization and production of cold-adapted enzymes from bacteria present in soils of Greenwich Island, South Shetland archipelago, Antarctic Peninsula. Submitted in Anais da Academia Brasileira de Ciências (AABC). 2022.
3. "Evaluation of high resolution melting for rapid differentiation of *Phytophthora* hybrids and their parental species," M. F. Ratti, R. A. Farrer, L. M. Cano, R. Faedda and E. M. Goss, *Plant Dis.*, First look <https://doi.org/10.1094/PDIS-12-18-2291-RE> (2019).
4. "Pineapple heart rot isolates from Ecuador reveal a new genotype of *Phytophthora nicotianae*," M. F. Ratti, M. S. Ascunce, J. J. Landivar and E. M. Goss, *Plant Pathol.*, **67**, 1803-1813 (2018).
5. "First report of bacterial panicle blight of rice caused by *Burkholderia gladioli* in Ecuador," C. Riera, J. Vargas, J. Cevallos-Cevallos, M. Ratti, and E. Peralta, *Plant Dis.* **98**, 1577 (2014).
6. "First report of *Burkholderia glumae* causing bacterial panicle blight on rice in Ecuador," C. Riera, J. Vargas, C. Cedeño, P. Quirola, M. Fierro, J. Cevallos-

- Cevallos, M. Ratti, and E. Peralta, *Plant Dis.* **98**, 998 (2014).
7. D. Quito-Avila, M. Ibarra, R. Alvarez, L. Espinoza, M. Ratti and E. Peralta. First report of Raspberry bushy dwarf virus in Andean blackberry (*Rubus glaucus*) in Central Ecuador. *Plant Disease*, July 2013, volume 97, number 7, page 1003.
  8. D. Quito-Avila, M. Ibarra, R. Alvarez, L. Espinoza, M. Ratti and E. Peralta. First report of Banana bract mosaic virus in Cavendish banana in Ecuador. *Plant Disease*, July 2013, volume 97, number 7, page 1003.

## **PROFESSIONAL SOCIETIES**

American Phytopathology Society

## **HONORS AND AWARDS**

Evanthia D. and D. G. Kontaxis and Eddie Echandi Joint Student Travel Award to attend the American Phytopathology Society Annual Meeting. USA, 2017

University of Florida Plant Pathology Department and Plant Pathology Graduate Student Organization Travel Award to attend the American Phytopathology Society Annual Meeting. USA, 2017

USDA-NIFA travel award to attend the Oomycetes Molecular Genetics Network Annual Meeting. USA, 2017

Scholarship for Doctoral Studies, funded by Secretaría Nacional de Educación Superior, Ciencia, Tecnología e Innovación (SENESCYT). Ecuador, 2012.

## **INSTITUTIONAL AND PROFESSIONAL SERVICE (n/a)**

## **TIME DISTRIBUTION**

25% Lectures, 50% Research, 25% International Accreditation and other administrative tasks