

Curriculum Vitae

MARIA RATTI

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EDUCATION

Ph.D. in Plant Pathology, University of Florida. 2018

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

PROFESSIONAL EXPERIENCE

Professor/Researcher at Facultad de Ciencias de la Vida – ESPOL. 2018 – Present.

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

PUBLICATIONS

Maria F. Ratti, Rhys A. Farrer, Liliana M. Cano, Roberto Faedda and Erica M. Goss. Evaluation of high resolution melting for rapid differentiation of *Phytophthora* hybrids and their parental species. *Plant Disease*, July 2019, Volume 103, Issue 9, Pages 2295-2304.

Maria F. Ratti, Marina. S. Ascunce, Jerry J. Landivar and Erica M. Goss. Pineapple heart rot isolates from Ecuador reveal a new genotype of *Phytophthora nicotianae*. *Plant Pathology*, May 2018. Volume 67, Pages 1803-1813.

C. Riera, J. Vargas, J. Cevallos-Cevallos, **M. Ratti**, and E. Peralta. First report of bacterial panicle blight of rice caused by *Burkholderia gladioli* in Ecuador. *Plant disease*, October 2014, Volume 98, Issue 11, Page 1577

C. Riera, J. Vargas, C. Cedeño, P. Quirola, M. Fierro, J. Cevallos-Cevallos, **M. Ratti**, and E. Peralta. First report of *Burkholderia glumae* causing bacterial panicle blight on rice in Ecuador. *Plant Disease*, July 2014, Volume 98, Issue 7, Page 988

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.

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.

PARTICIPATION IN CONFERENCES / SEMINARS

Oral presentations:

Exit Seminar at the Plant Pathology Department, University of Florida. March 2018. Studies of Oomycetes in tropical crops of Ecuador.

American Phytopathology Society Annual Meeting, 2017. A new multilocus genotype of *Phytophthora nicotianae* found in isolates from pineapple heart rot disease.

American Phytopathology Society Annual Meeting, 2016. Oomycete species richness in cacao soil assessed by metagenomics of cytochrome oxidase II.

VII Congreso Latinoamericano de Ciencia Antártica. September 2013. Determinación de la taxonomía y diversidad de poblaciones microbianas en suelos antárticos a través de DGGE y secuenciación 454.

Posters:

Congreso Internacional de Biotecnología y Biodiversidad CIBB 2018. October 2018. Evaluación de High Resolution Melting Analysis para diferenciar entre especies parentales e híbridas de *Phytophthora*.

EPI Research day, 2018. Pineapple heart rot isolates from Ecuador reveal a new genotype of *Phytophthora nicotianae*.

Oomycete Molecular Genetics Network Annual Meeting, 2017. Lessons learned from massive amplicon sequencing of cytochrome oxidase II for determination of Oomycete species diversity.

AWARDS AND HONORS

John and Ann Niederhauser Endowment Award to execute a project in international collaboration related to *Phytophthora spp.* USA, 2019.

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.

PROFESSIONAL AFFILIATIONS

American Phytopathology Society.

LANGUAGES

Spanish

English