



RedUNIR



Workshop UNIR - CUIA

Universidad Nacional de Rosario

10-11 April 2019

CHALLENGES TO THE ADOPTION OF BIOPESTICIDES IN AGRICULTURE, ENVIRONMENTAL SAFETY AND HEALTH PROGRAMS: EXPLORING SOLUTIONS

PROGRAM

10 April 2019

Universidad Nacional de Rosario - ESPACIO CULTURAL UNIVERSITARIO. San Martín 750 - ROSARIO, Sta. Fe

15.00 Registration

16.00 - 16.30 Welcome Addresses

Hector Floriani

Director Universidades Nacionales para la Internacionalización y la Integración Regional - Rete UNIR

Rector de la Universidad Nacional de Rosario, Argentina

Alejandro Michelino

Universidad Nacional de Rosario, Argentina

Giuseppe De Mastro

Direttore Scuola BIOS - CUIA

Università degli Studi di Bari "A. Moro"

Plenary section

16.30 Asymmetric synthesis and absolute configuration of fungal and plant metabolites

Stefano Superchi

Università degli Studi della Basilicata, Italy

16.50 Microbial and Plant Metabolites with New Perspectives for Pest Management

Marco Masi, Alessio Cimmino, Antonio Evidente

Università degli Studi di Napoli Federico II, Italy

17.10 Bacterial endophytes approach to control plant-pathogen interactions

Elena Graciela Orellano

Universidad Nacional de Rosario, Argentina

17.30 Tools for the design of agroecosystems that allow to maximize the advantages of handling synthetic volatiles

Guillermo Montero

Universidad Nacional de Rosario, Argentina

17.45 - 18.05 Coffee break

Bioinsecticides

Keynote

18.05 Insect control with natural products

María Cecilia Carpinella

Universidad Católica de Córdoba, Argentina

18.20 Biotechnology innovation through the use of fungi and their active principles as a strategy for pest control

Pedro Dario Zapata

Universidad Nacional de Misiones, Argentina

18.35 Effect of various essential oils on *Callosobruchus maculatus* (F.)

Enrico de Lillo

Università degli Studi di Bari “Aldo Moro”, Italy

Bionematicides

Keynote

19.05 Nematicidal bioactivity of natural glucosinolates

Trifone D’Addabbo

Istituto per la Protezione Sostenibile delle Piante - CNR, Italy

19.35 Discussion and conclusion

11 April 2019

Universidad Nacional de Rosario - Facultad de Ciencias Agrarias, Campo Experimental Villarino CC N° 14 (S2125ZAA) Zavalla - Santa Fe

8.00 Departure for Facultad de Ciencias Agrarias – Universidad Nacional de Rosario

Bioherbicides

Keynote

9.00 Use of essential oils as bioherbicides

Giuseppe De Mastro

Università degli Studi di Bari “Aldo Moro”, Italy

9.15 From plants to bioherbicides

Gustavo Sosa

Scientific Director-Founder of INBIOAR SA

9.30 Exploring the allelopathic activity of some plants in Argentina

Hugo Chludil

Universidad de Buenos Aires

9.45 Exploring the allelopathic effect of essential oils from different Rosemary (*Rosmarinus officinalis*) chemotypes for weed control in organic agriculture

Jihane El Mahdi, Waed Tarraf, Claudia Ruta

Mediterranean Agronomic Institute of Bari

Università degli Studi di Bari “Aldo Moro”, Italy

10.00 Herbicide-resistant weeds: strategies to mitigate their evolution and move towards integrated management

Hugo Permingeat

Universidad Nacional de Rosario, Argentina

10.15 - 10.45 Coffe break

Biofungicides

Keynote

10.45 Essential oils and extracts from plants of northwest Argentina: usefulness in the control of toxigenic fungi

Diego Alejandro Sampietro

Universidad Nacional de Tucumán, Argentina

11.00 Fusarium head blight of wheat: a biocontrol approach to counteract this worldwide disease

Juan Manuel Palazzini

Universidad Nacional de Río Cuarto, Argentina

11.15 Mycoviruses: an alternative for the control of fungi and its mycotoxins

José Sebastián Dambolena

Instituto Multidisciplinario de Biología Vegetal (IMBIV - CONICET) - Cordoba

Biobactericides

Keynote

11.30 Antimicrobial effects of essential oils on human and plant pathogenic bacteria.

Franco Nigro, Claudia Ruta

Università degli Studi di Bari “Aldo Moro”, Italy

11.45 Usefulness of industrial wastes for control of noxious bacteria and other microorganisms

María José Rodríguez Vaquero

Universidad Nacional de Tucumán

12.00 – 12.45 Scientific and Technological Cooperation

- Argentina programs
- Italia programs
- EU programs

Conclusion

Visit to the laboratories and experimental fields of Facultad de Ciencias Agrarias - light lunch

Organizing Committee

Giuseppe De Mastro, Università degli Studi di Bari “A. Moro”, Italy

Diego Alejandro Sampietro, Universidad Nacional de Tucumán, Argentina

Alejandro Michelino, Universidad Nacional de Rosario, Argentina

Claudia Ruta, Università degli Studi di Bari “A. Moro”, Italy

Elena Orellano, Universidad Nacional de Rosario, Argentina