

# BOOK OF ABSTRACTS

II. EUROPEAN CONGRESS ON CHESTNUT  
09–12. October, 2013.



DEBRECEN – BAIA MARE – MODRY KAMEN

## ORGANIZING INSTITUTIONS

**Institute of Plant Protection, University of Debrecen (Hungary)**

**University of Craiova (Romania)**

**Institute of Forest Ecology, Nitra (Slovakia)**

**National Food Chain Safety Office, Plant Health and Molecular Biology**

**National Reference Laboratory (Hungary)**

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**Dr. László Radócz** University of Debrecen (Hungary) (leader)

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**Dr. Mark Double** West-Virginia University (USA)

**Dr. Damiano Avanzato** Chair ISHS Section Nuts and Mediterranean Climate Fruits

**Dr. Qin Ling** Beijing University of Agriculture (China)

**Dr. Stephanos Diamandis** Forest Research Institute Thessaloniki (Greece)

**Dr. Daniel Rigling** Swiss federal Institute for Forest Snow and Landscape Research Birmensdorf (Switzerland)

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### Note to Authors Who have not sent their manuscript

The Proceedings will be published as a peer-reviewed issue of the Acta Horticulturae. The manuscripts are subject to acceptance by the referees, editors and journal. Please follow the ISHS Guidelines ([www.ishs.org](http://www.ishs.org)). Manuscripts should be as concise as possible in order to reduce to a minimum the number of the pages. The total length of texts should be not exceed 8 pages. Any text, which does not comply, will be sent back to the author.

Please be advised, the text (electronic format together with a printed copy) should be sent to the 2nd European Congress on Chestnut secretariat ([radocz@agr.unideb.hu](mailto:radocz@agr.unideb.hu). László Radócz Institute of Plant Protection, University of Debrecen (Hungary) 4032 Debrecen, Böszörményi Str. 138, Hungary )

before **1<sup>st</sup> of November 2013**.

## Plenary Session (Lecture Hall: Afrika)

- 8.00-8.10: **László Radócz:** WELCOME SPEECH

-8.10-8.40: **Giancarlo Bounous:** PERSPECTIVES AND FUTURE OF CHESTNUT IN EUROPE AND ALL OVER THE WORLD

- 8.40-9.10: **Mark L. Double:** SUMMARY OF THE V. INTERNATIONAL CONGRESS ON CHESTNUT 2012 (SHEPHERDSTOWN, WEST VIRGINIA USA)

-9.10-9.40: **George Melika:** THE PEST CHESTNUT GALLWASP (*DRYOCOSMUS KURIPHILUS*); HISTORICAL OVERVIEW OF THE PROBLEM AND OPTIONS FOR CONTROLLING

9.40-10.00. Coffee break

-10.00-10.25: **Daniel Rigling:** CHESTNUT BLIGHT FUNGUS AND ITS HYPOVIRUS IN EUROPE

-10.25-10.50: **Stephanos Diamandis:** APPLICATION OF BIOLOGICAL CONTROL OF CHESTNUT BLIGHT ON NATIONWIDE SCALE IN GREECE: RESULTS AND PROSPECTS

10.50-11.00: **Damiano Avanzato:** PRESENT ACTIVITY OF ISHS

11.00-12.00 Lunch

12.00- Start to Baia Mare (Romania) chestnut plots (FIELD VISIT Nr.1.)

23.00 arrival to Debrecen

## Assessment of Litterfall in Chestnut Forest Stands: Comparison of Two Sample Methods

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### Abstract

The annual amount of litter returned to the ecosystems and their decomposition processes are vital for sustainable management since that regulates the carbon cycle and soil nutrients pools. However, the methodology used for their assessment can significantly influence the obtained estimates concerning to the produced biomass and the potential return of nutrients to the soil and carbon sequestration. This study compared two common assessment methods of the annual litter fall in three high forest chestnut stands located in the mountains of Bornes, Marão and Padrela, Northern Portugal. The tested litter fall sampling methods were the quadrature method (50 x 50 cm) and the circular 1m<sup>2</sup> litter traps. The two methods were randomly applied on the same sample area. The harvest was repeated for two consecutive years. The obtained estimates of the amount of litter fall varied significantly with the method used and the interaction method x location was not significant. Estimates obtained with litter traps were lower than that obtained with the quadrature method.