



Provincia
di Milano



Under the aegis of National Institute for Environmental Protection and Research - ISPRA
In the process of formalization: Ministry of Environment, Land and Sea - MATTM; Ministry of Agriculture, Food and Forestry - MIPAAF; Ministry of Health; National Institute of Health - ISS; Food and Agriculture Organization of the United Nations - FAO

**The Mycotoxicology Committee of the Associazione Micologica Bresadola,
the Province of Milan and the Poison Control Center (CAV) of Milan**

organize the

**5th INTERNATIONAL MYCOTOXICOLOGY MEETING
Milan, Italy, 3-4 December 2012**

**Mushrooms and health: Public health, clinical, regulatory and control issues related to
trade globalization**

Objectives

Five years after the 4th (Trent 2007), this 5th Congress aims at analyzing the most recent developments on:

- Clinical mycotoxicology;
- Prevention and control activities on mycotoxicology of Italian medical institutions;
- Issues arising from trade globalization;
- Activities of Italian inspection and supervisory bodies.

It also highlights some of the most important advances in scientific investigations, thereby extending mycotoxicology issues from a mere anthropocentric view to additional aspects that range from mycotherapy to environmental toxicology and bioremediation.

PROGRAM

Day 1 (3 December 2012)

8.30 Registration

9.00 Opening Session - Welcome by the Authority:

C. Papetti (Director of CSM/AMB);

U. Novo Maerna (Vice President of the Province of Milan);

M. Larghi (Lombardy Region);

F. Davanzo (CAV Milan)

SESSION 1 - CLINICAL TOXICOLOGY

Chairmen: F. Davanzo, C. Papetti

1st Session Scientific Committee: F. Assisi, A. Granziero, C. Papetti

9.40 Collaboration between toxicologist, mycologist and laboratory technician in the diagnosis of mushroom poisoning (**P. Moro, Milan**)

10.00 The urinary amanitin dosage: advantages and drawbacks in the laboratory (**A. Masarin, Milan**)

10.20 The urinary amanitin dosage: advantages and drawbacks in the clinic (**F. Assisi, Milan**)

10.40 Mushroom poisoning: data from the ASL Milan and mycological issues (**G. Gentili & M. Verzolla, Milan**)

11.00 - 11.20 **Coffee Break**

11.20 The liver and the amatoxin intoxication (**M. Langer, Milan**)

11.40 Acute reversible interstitial nephritis due to *Amanita boudieri* ingestion – case report and toxicological investigation (**P. Carrilho, Setubal, Portugal & M. Kirchmair, Innsbruck, Austria**)

12.00 Biosynthesis of cyclic peptide toxins of lethal amanita mushrooms (**J. D. Walton, East Lansing, USA**)

12.20 Molecular method to assess the presence of alpha amanitin in the genus *Amanita* (**C. Martinato & S. Epis, Milano**)

12.40 Discussion and CME activities

09.00 -13.00 **Poster Session - Clinical toxicology**

13.00 – 14.20 **Lunch Break**

SESSION 2 - MYCOTOXICOLOGY: NEW PERSPECTIVES

Chairmen: L. Cocchi, O. Petrini,

2nd Session Scientific Committee: L. Cocchi, G. Consiglio, O. Petrini

14.20 Mycoterapy between myth and reality: Problems and opportunities (**O. Petrini, Bellinzona Switzerland**)

14.40 Mycoterapy: requirements for clinical trials (**G. Calapai, Messina**)

15.00 The mushrooms as bioindicators of xenobiotic substances in the environment (**C. Siniscalco, Rome; L. Cocchi, Reggio Emilia; C. Jacomini, Rome & A. Benedetti, Rome**)

15.20 Mushrooms and bioremediation: a field experience (**M. Girlanda, Turin**)

15.40 Taxonomic considerations on fungi discussed in the 1st and 2nd Session and some reflections on alien species – part one (**G. Consiglio, Bologna**)

16.00 - 16.20 **Coffee Break**

16.20 Taxonomic considerations on fungi discussed in the 1st and 2nd Session and some reflections on alien species – part two (**G. Consiglio, Bologna**)

16,40-17,50 Free Contributions Session 1

Assisi F. – Neurotoxicity caused by mushrooms classified as edible

Di Piazza P. - The Mycological Departments in the Veneto Region

Falascioni M. - First experience of mycological advice service for hospitals in the District of Pesaro-Urbino Province

Franchina P. - Fungal poisonings: new or recent syndromes reported in the international literature

Perini C. - The mysterious *Amanita ovoidea*

Rizzi R. - Training: useful tool for reducing risk of poisoning from mushrooms

Vizzini A. - New collections of *Clitocybe amoenolens* (*Agaricales, Tricholomataceae*) from Italy and notes on its distribution

17,50-18,20 Free Contributions Session 2

Bagnato M. - Epidemiology and treatment with medicinal mushrooms in oncology: the role of Mycological Inspectorates

Galli E. - *Pleurotus ostreatus* in the degradation of xenobiotic compounds

Lorenzi M. - Active principles in healing mushrooms

18.20 – 19.00 **Discussion**

14.20 – 19.00 **Poster Session - Mycotoxicology: new perspectives**

19.00 **ECM activities**

Day 2 (4 December 2012)

8.30 **Registration**

SESSION 3 - MUSHROOMS AND NUTRITION

Chairmen: S. Borrello, C. Siniscalco

3rd Session Scientific Committee: C. Papetti, C. Siniscalco, O. Tani

9.00 Food safety of mushrooms in the trade, processing and consumption (**S. Borrello, Rome**)

9.20 Are the larvae of Mycetophilid Diptera a danger and risk for the consumers health? (**A.M. Ferrini, Rome; B. Bianca, Rome; G. Di Felice, Rome; R. Bianchi, Rome; C. Khoury, Rome; V. Mannoni, Rome & P. Aureli, Roma**)

- 9.40** Arthropods: presence, frequency and impact on wild, fresh, dried and stored mushrooms for human consumption (**L. Süss, Milan & N. Sitta, Bologna**)
- 10.20** Epidemiological review of diseases potentially related to mycotoxins (**C. Brera, Rome**)
- 10.20 – 10.40** **Coffee Break**
- 10.40** Bioactive molecules of mushrooms in relation to environmental factors and storage conditions (**M.E. Guerzoni, Bologna**)
- 11.00** The storage of mushrooms: health safety problems (Botox and bacteriological contamination) (**P. Daminelli, Brescia**)
- 11.20** Nicotine in wild mushrooms. Rapid determination by QuEChERS and LC/MS/MS techniques (**A. Santilio, Rome**)
- 11.40 - 12.30** **Free Reports**
- 12.30 - 13.00** **Discussion and CME activities**
- 9.00 - 13.00** **Poster Session - Mushrooms and nutrition**
- 13.00 – 14.20** **Lunch Break**

SESSION 4 - LEGISLATION, REGULATIONS AND CONTROL

Chairmen: D. Monteleone, O. Tani

4th Session Scientific Committee: E. Borghi, K. Kob, D. Monteleone,

- 14.20** CFS Operational protocol relating to the supervision during harvesting and marketing of the epigeal and hypogaeal mushrooms in the Campania Region (**N. Ottaviano & G. Trezza, Avellino**)
- 14.40** Official controls at the State borders of food of non-animal origin (**D. Monteleone, Rome**)
- 15.00** Problems arising during production and marketing of mushrooms (**Representative of N.A.S., Rome**)
- 15.20** Checks carried out along the national road network on food transported on wheeled vehicles (**Representative of Traffic Police, Rome**)
- 15.40** **Free reports**
- 16.10 - 16.30** **Coffee Break**
- 16.30** Discussion
- 17.00** Round table: "Methods to be used for the collection of reliable and complete data and reports, to obtain careful assessments of mushrooms poisoning."
Introduction and chair by a **Representative of the Directorate General of Health Prevention of the Ministry of Health, Rome.**
- 14.20 – 18.00** **Poster Session - Legislation, Regulations and Control**
- 18.00** **CME assessment**

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