



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 - 17.40 **Free Contributions**

17.40 - 18.30 **Discussion**

14.20 - 18.30 **Poster Session - Mycotoxicology: new perspectives**

18.30 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
13.00 – 14.20

Poster Session - Mushrooms and nutrition
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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