General Information About the Conference

PERSPECTIVES OF MEDICINAL MUSHROOMS
IN HEALTH CARE AND NUTRITION
IN THE 21ST CENTURY

12-14 September 2001
Kiev, Ukraine

AN INTERNATIONAL CONFERENCE

CONFERENCE SECRETARIAT

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Conference details on our
WEBSITE: WWW.ICMM.KIEV.UA
Dear Colleagues and Friends,

We cordially invite you to take part in the Conference “Perspectives of Medicinal Mushrooms in Health Care and Nutrition in the 21st Century.” This Conference reflects the emergence of a new area of science, which is at the same time very ancient and very modern. It is as ancient as human use of mushrooms, which spans probably the whole of human history, and it is so modern that its name itself was coined by the present generation of scientists. This field of science has seen very quick and promising development in the last five decades. And this, in turn, reflects the importance of medicinal mushrooms in modern health care and food production. For example, some of the most popular anticancer drugs today are produced from medicinal mushrooms, and there is no doubt that more and better drugs of this type will follow.

The goal of our Conference is further promotion of the medicinal mushroom science to its full potential. We are proud that the most prominent scientists of the field are going to take part in it. Many of us come from very different fields of science: we are mycologists, biochemists, medical doctors, and so on. However, we learn to cooperate very well on the problems of cultivating edible and medicinal mushrooms, isolating their active ingredients, and applying their healing properties. This job has started, and we believe that our Conference will become an important event in its development. Many urgent problems will be discussed, many interesting results will be reported, and many excellent ideas will be shared. This surely will make a good start into one of the important sciences of the 21st century.

We wish to emphasize that this will be the first Conference of its kind being held in Europe. This symbolically reflects the very essence of studying medicinal mushrooms, since this is a science that is being developed throughout Eastern and Western Hemispheres, with its roots in Far East practices, and using the methodology of modern Western science. When we join our forces, the outcomes are powerful and amazing. Eastern Europe no less nourishes and promotes our science, and the site of the Conference by itself testifies to that. The new independent state of Ukraine, which suggested hosting us, deserves our heartiest gratitude, and we hope we will make a good contribution to the development of its science in return.

Tetsuro Ikekawa
President
of the Conference

Konstantin M. Sytnik
Chair of the Local
Organizing Committee
INTERNATIONAL SCIENTIFIC COMMITTEE

T. IKEKAWA (Japan)  President
S. T. CHANG (Hong Kong, Australia)  Co-Chair
S. P. WASSER (Ukraine, Israel)  Co-Chair
D. L. HAWKSWORTH (Spain, UK)  Co-Chair
V. G. Babitskaya (Belorus)  M. Mizuno (Japan)
S. Badalian (Armenia)  H. P. Molitoris (Germany)
J. A. Buswell (Hong Kong)  J.-M. Moncalvo (USA)
R. Courtecuisse (France)  V. E. C. Ooi (Hong Kong)
N. P. Denisova (Russia)  S. Rapior (France)
N. Gunde-Cimerman (Slovenia)  V. Šašek (Czech Republic)
G. Guzmán (Mexico)  A. Smálnia Jr. (Brazil)
B. K. Kim (Korea)  P. Stamets (USA)
B. Kirchhoff (Germany)  K. K. Tan (Singapore)
Z. B. Lin (China)  A. Weil (USA)
G. T. Liu (China)

LOCAL ORGANIZING COMMITTEE

K. M. Sytnik, Chair
E. F. Solomko, General Secretary
A. S. Buchalo, Co-Chair of Scientific Committee
A. A. Levanez, Treasurer
G. A. Brun, Secretary

V. T. Bilay  N. Yu. Mitropolskaya
N. A. Bis'ko  L. G. Moskalenko
I. A. Dudka  S. V. Reshetnikov
A. A. Grodzinskaya  E. I. Shnukova
A. F. Grigansky  L. N. Shynkarenko
A. M. Kruglikov  E. K. Zolotareva
The Scientific Program included honorary lectures, general lectures, symposia, and poster sessions.

**Honorary Lectures**

HL: Beneficial Effects of Mushrooms, Edible and Medicinal, on Health Care (T. Ikekawa, Japan)
HL: A 40-Year Journey Through Bioconversion of Lignocellulosic Wastes to Mushrooms and Dietary Supplements (S. T. Chang, Hong Kong, Australia)
HL: *Agaricus bisporus* (J. Lge) Imbach and Its Close Relatives: Their Present Status, Use, and Future in Commerce and Research (L. J. L. D. van Griensven, Netherlands)
HL: Mushrooms: The Extent of the Unexplored Potential (D. L. Hawksworth, Spain, UK)

**General Lectures**

Gl-1: Managing the Intellectual Assets of Mushroom Genetic Resources (S. C. Jong, USA)
Gl-2: Medicinal Mushrooms: Modern Clinical Uses Overview (Ch. Hobbs, USA)
Gl-3: Antimicrobial Activity of Basidiomycetes (J. A. Smania Jr, Brazil)
Gl-4: Pharmacology and Clinical Application of *Ganoderma lucidum* (Curt.: Fr.) P. Karst. spores (G. T. Liu, China)
Gl-5: Antitumor Polysaccharides from Edible Mushrooms and Their Immunomodulating Action Against Murine Macrophages (M. Mizuno, Japan)
Gl-6: Studies on Protoplast Fusion of Basidiomycetes (B. K. Kim, South Korea)
Gl-7: Hypocholesterolemic Activity of the Genus *Pleurotus* (N. Gunde-Cimerman, Slovenia)
Gl-8: Insights into the Cultivation of Polyporaceae Mushrooms: The Ancient Ones (P. Stamets, USA)
Gl-9: Studies on Medicinal Mushrooms in the National Culture Collection of Ukraine (A. S. Buchalo, Ukraine)
Gl-10: Dietary Supplements from Medicinal Mushrooms: How We Are Going to Ensure Their Quality and Safety (S. P. Wasser, Ukraine, Israel)
Gl-11: Medicinal Fungi in Mexico: Traditions, Myths, and Knowledge (G. Guzmán, Mexico)
Gl-12: New Data from the Ethnomycology of Psychoactive Mushrooms (G. Samorini, Italy)
Gl-13: Mushroom and Man in Medicine, Myths, and Religion (H. P. Molitoris, Germany)
Gl-14: Traditions of Using Medicinal Mushrooms Among the Nations of the World (N. P. Denisiva, Russia)
Gl-15: Pharmacological Studies on Certain Mushrooms from China (V. E. C. Ooi, Hong Kong)
Gl-16: Prevention of Oxidative Damage to Cellular DNA by a Mushroom-Derived Component (J. A. Buswell, Hong Kong)
## Symposia

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<th>Symposia</th>
<th>Title</th>
<th>Conveners</th>
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<td>1</td>
<td>Systematics and Identification</td>
<td>Dr. J.-M. Moncalvo (USA)</td>
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<td>Prof. S. P. Wasser (Ukraine, Israel)</td>
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<td>Distribution and Ecology</td>
<td>Prof. D. L. Hawksworth (Spain, UK)</td>
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<td>Dr. S. Sokol (Poland)</td>
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<td>Culture Collection</td>
<td>Dr. S. C. Jong (USA)</td>
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<td>Prof. A. S. Buchalo (Ukraine)</td>
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<td>4</td>
<td>Physiology, Biochemistry, Secondary Metabolites, and Genetics</td>
<td>Prof. J. A. Buswell (Hong Kong)</td>
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<td>Dr. B. K. Kim (South Korea)</td>
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<td>5</td>
<td>Biotechnological Applications</td>
<td>Prof. J. E. Smith (England), P. Stamets (USA),</td>
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<td></td>
<td></td>
<td>and B. Kirchhoff (Germany)</td>
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<td>6</td>
<td>Medicinal Value and Pharmacology of Mushroom Products</td>
<td>Prof. S. T. Chang (Hong Kong, Australia)</td>
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<td>Prof. G. T. Liu (China)</td>
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<td>7</td>
<td>Mushrooms in Folk Medicine Among the Nations, Homeopathy, and Religion</td>
<td>Prof. G. Guzmán (Mexico)</td>
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<td>Dr. G. Samorini (Italy)</td>
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## CONFERENCE PROGRAM 11–15 September 2001

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<tr>
<td>11 September, Tuesday</td>
<td>Registration</td>
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<td>12 September, Wednesday</td>
<td>Registration, Official opening ceremony, Honorary lectures, Lunch, Conference trip and welcome party/evening</td>
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<tr>
<td>13 September, Thursday</td>
<td>General lectures, Lunch, Symposia, Poster presentation, Free evening</td>
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<tr>
<td>14 September, Friday</td>
<td>General lectures, Lunch, Symposia, Closing ceremony, National opera and ballet theatre / evening</td>
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<tr>
<td>15 September, Saturday</td>
<td>Tours day</td>
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GENERAL INFORMATION

Conference Venue

The Conference was held at the Conference Hall President-Hotel Kyivsky, located in the City Centre 12, Hospitalna St., Kiev, 01023, Ukraine

Language

The Conference presentations were in English.

Accompanying Persons Program

Programs for accompanying persons included visits to the Museum of Folk Architecture and Rural Life of Ukraine in the environs of Kiev, Museum of Western and Oriental Art, Museum of the History of Ukraine, St. Sophia Cathedral, etc.

POST-CONFERENCE TOURS DAY

Saturday, September 15, 2001

Rondo Travel Agency was the official travel agent for the International Conference on medicinal mushrooms and offered special reduced rates for accommodation and Conference tours.

The following tours were offered exclusively to the Conference participants and registered accompanying persons.

A. City tour in Kiev—half-day tour
B. Churches and Monasteries of Kiev—half-day tour
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