



IMMC12

The 12th International
Medicinal Mushrooms Conference
Bari 2024



Continuous coffee breaks

MORNING: available from 10:00 am to 12:00 am

AFTERNOON: available from 04:00 pm to 6:00 pm (excluding 26 September 2024)

Monday, 23 September 2024



16:00-20:00 Conference Registration

18:30-20:00 Sponsor tables set-up

Tuesday, 24 September 2024

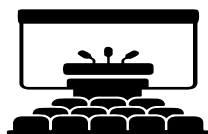


08:30-18:00 CONFERENCE REGISTRATION OPEN

09:00-09:45 IMMC12 Opening Ceremony



Chairperson: Ulrike Lindequist (Germany)



Congress Hall 1

09:45-12:00 KEYNOTE SPEECHES

09:45-10:30 Psychedelic mushrooms as medicine: challenges and opportunities
Anthony Adili (Canada), O. S. Isikbuemhen

10:30-11:15 The phenomenology of psilocybin's experience mediates subsequent persistent psychological effects independently of sex, previous experience or setting
Tomáš Páleníček (Czech Republic)

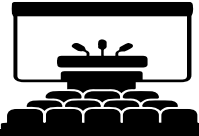
11:15-12:00 Basidiomycete fruiting body development: an exciting morphogenetic process and source of bioactive compounds
László Nagy (Hungary)

12:00-12:45 Presence and The Future of Medicinal Mushroom Process Engineering
Marin Berovič (Slovenia)



12:45 Group Photo

13:00-14:00 Lunch, CASSIOPEA HALL



14:00-15:40

Congress Hall 1

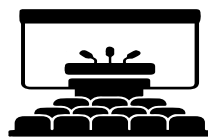
PARALLEL SESSION:

DIVERSITY, EVOLUTION AND MORPHOGENESIS IN MEDICINAL MUSHROOMS



Chairperson: Georgios I. Zervakis (Greece)

- 14:00-14:20 Mining 100 Agarikon genomes: an ongoing optimization of chemical constituents and bioefficacy
Zolton I. Bair (USA), Case M. Beathard, Paul Stamets
- 14:20-14:40 Distribution of *Inonotus obliquus*, abundance of conks and peculiarities of basidiospore dispersal in Estonia
Karin Kütt (Estonia)
- 14:40-15:00 On the ecological role of medicinal mushroom *Marasmius oreades*: a study case of fairy rings in the gardens of the Royal Palace of Caserta
Maurizio Zotti (Italy)
- 15:00-15:20 The epidemiology of wild mushroom poisoning in Israel
Dalia Levinsohn (Israel)
- 15:20-15:40 Remembering Tom Volk: A mycological Maestro in our hearts and minds
Ayman Daba (Egypt/USA)



14:00-19:00

Congress Hall 2

PARALLEL SESSION: MEDICINAL MUSHROOMS CULTURE COLLECTIONS, CULTIVATION TECHNOLOGY AND CIRCULAR ECONOMY IN RURAL AND MARGINAL AREAS



Chairpersons: Arend F. Van Peer (The Netherlands) and
Carmenza Jaramillo Lopez (Colombia)

- 14:00-14:45 Effects of *A. bisporus* on the immune system, use of collections and can we improve by breeding?
Arend F. Van Peer (The Netherlands), J.J.P. Baars, A. Schots

- 14:45-15:05** Advances in the biodegradability measurement of a hybrid material, product of the transformation of plastic and organic waste using macromycetes
Carmenza Jaramillo-López (Colombia), M.F. Ocampo-Barrero, I.F. Macías-Quiroga, C. Giraldo-Loaiza, E.U. Landaşury-Rosero, N.R. Sanabria-González
- 15:05-15:25** Reclassification and biotechnological potential of mushrooms strains belonging to the collection of the Department of Food, Environmental and Nutritional Sciences (DeFENS) - University of Milan (Italy)
Manuela Rollini (Italy), C. Alamprese, G. Bearzi, C. Cappa, A. Marti, S. Grassi, C. Picozzi, D. Erba, M.C. Casiraghi, G. Ricci, S. Buratti, L. Goppa, E. Savino, G. Consonni, N. Negrini, G. Castorina
- 15:25-15:45** Fungi's Midas touch: production of medicinal mushroom mycoprotein using agroindustrial by-products
Davide Ferrero (Italy), F. Spina, C. Forliano, S. Galliano, V. T. Glicerina, R. Pera, C. M. Berteau, P. De Bernardi, G. Zeppa, C. Barolo, L. Gasco, G. C. Varese
- 15:45-16:05** Boosting cordycepin production in *Cordyceps militaris* via the influence of edible insects and medicinal plants
Ayman Turk (Korea), B.S. Kim, M.K. Lee
- 16:05-16:25** Micosylvicultural actions towards the conservation and sustainable cultivation of unique species (MicoAction)
Iaime Carrasco (Spain), M.V. García-Rubio
- 16:25-16:45** Bio-recycling hazelnut shells to enrich *Lentinus tigrinus* with bioactive components
Anthea Desiderio (Italy), S.A. Heleno, M. Carochio, M.C. Pedrosa, D. Bobrowski Rodrigues, I. Soffientini, L. Goppa, P. Rossi, E. Savino
- 16:45-17:05** Controlled cultivation of the medicinal mushroom *Hericiium erinaceus* for the enrichment and extraction of functional health promoting metabolites, focusing on ergothioneine content, anti-oxidative potential and bioactivity in neuronal cells
E. Kostanda, N. Ezgov, S. Doron, H. Ben Zeev, S. Khatib, Idan Pereman (Israel)
- 17:05-17:25** Breeding and selection for high-temperature tolerance in *Pleurotus ostreatus*
Joel Kwon (USA), N. Holt, O. S. Isikbuemhen
- 17:25-17:45** A novel high-temperature tolerant *Pleurotus* sp.: domestication, mating behaviour and interspecies compatibility
Nathan Holt (USA), N. S. Udombang, J. O. Enemudo, M. Mensah-Bonsu, F. N. Anike, O. S. Isikbuemhen
- 17:45-18:05** Impact of locally available lignocellulosic residues on the cultivation parameters and nutritional composition of the tropical milky white mushroom *Calocybe indica*
Georgios Koutrotsios (Greece), D. Tagkouli, K. Tsiantas, N. Kalogeropoulos, P. Zoumboulakis, G.I. Zervakis
- 18:05-18:25** Microwave-assisted extraction of *Pleurotus* mushrooms cultivated on wine pomace and antioxidant activity evaluation

Gaetano Balenzano (Italy), Giovanni Lentini, Maria Maddalena Cavalluzzi, Valeria Ferraro, Roberto Balducchi, Anna Spagnoletta, Fortunato Cirlincione, Maria Letizia Gargano

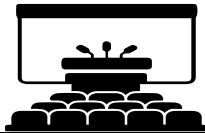
- 18:25-18:45 Transcriptome combined with enzyme activity analysis unveiled the key genes and pattern of lignocellulose degradation under the cultivation by corn cob in *Auricularia heimuer*
Ming Fang (China), X. Sun, F. Yao, L. Lu, X. Ma, K. Shao
- 18:45-19:05 Innovative multifunctional production system in marginal areas
Matteo Spagnuolo (Italy)
- 18:45-19:00 Ex situ conservation, enhancement and sustainable use of *Pleurotus nebrodensis*, a rare species, endemic to Sicily (southern Italy)
Giuseppe Venturella (Italy), M.L. Gargano



19:30-21:00 **WELCOME RECEPTION
(CASSIOPEA HALL)**

Wednesday, 25 September 2024

08:30-18:00 CONFERENCE REGISTRATION OPEN



09:00-19:00 **Congress Hall 1**
SESSION Biochemistry, biotechnology and pharmacology of medicinal mushrooms



**Chairpersons: Marin Berovič (Slovenia) and
Angel Trigos (Mexico)**

- 09:00-09:30 Medicinal mushrooms as multicomponent mixtures (MOCS) - Demonstrated with the example *Lentinula edodes*
Ulrike Lindequist (Germany)
- 09:30-10:00 Impact of medicinal mushroom extracts on ribosomal biogenesis, translation, and metabolic pathways in colorectal cancer: a proteomic study
Boris Jakopovic (Croatia), A. Horvatić, J. Baranasic, I. Car, N. Oršolić, I. Jakopovich, S. Kraljević Pavelić

- 10:00-10:30** Ergosterol, a versatile metabolite of mushrooms
Ángel Trias (Mexico), I. Lagunes, R. Hernández-Chacón, K. Manzano
- 10:30-11:00** Medicinal marvels of mushrooms: unlocking their potential for health and wellness
Ayman Daba (Egypt/USA)
- 11:00-11:20** Unveiling environmental influence on high molecular weight polysaccharides in *Ganoderma lucidum* submerged fermentation for industry
Jie Feng (China), J. Guo, Y.F. Liu, J.S. Zhang
- 11:20-11:40** Study on active compounds of protecting nerve cells in *Ganoderma lucidum* based on spectrum-effect relationship method
Jingsong Zhang (China), W. Wang, Y. Yang, Z. Yu, N. Feng, C. Tang, Q. Tang, J. Feng, Y. Liu, S. Zhou, M. Yan
- 11:40-12:00** Neuroprotective activity of polyamines and phenolic compounds derived from three *Fomes fomentarius* strains in the Balkan Region (Serbia, Croatia, Bosnia and Herzegovina)
M. Rašeta, Eleonora Čapelia (Serbia), J. Mišković, D. Pintač Šarac, S. Berezni, Á.E. Kulmány, I. Zupkó, S. Jovanović-Šanta, M. Kebert, M. Karaman
- 12:00-12:20** Mycelium of medicinal mushrooms for production of mycelium-based bio-composites and its physical and mechanical properties
Štěpán Hýšek (Austria), M. Jozífek, M. Němec, J. Hradecký, R. Wimmer
- 12.20-12:40** Hypoglycemic properties of *Leccinum scabrum* - An in vitro study on α -glucosidase and α -amylase inhibition activity
Valeria Ferraro (Italy), M.M. Cavalluzzi, G. Lentini, N.P. Rotondo, A. De Palma, D.V. Miniero, G. Venturella, M.L. Gargano
- 12:40-13:00** Physicochemical characteristics and anti-breast cancer properties of medium molecular weight sulfated polysaccharides from *Laetiporus sulphureus*
Chia I. Jen (Taiwan), L.T. Ng



13:00-14:30 Lunch, CASSIOPEA HALL



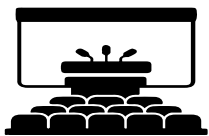
Chairpersons: **Ayman Daba** (Egypt/USA) and
Boris Jakopovic (Croatia)

- 15:00-15:20** Chemical and functional characterization of *Leccinum scabrum* and *Leccinum versipelle*
Francesca Medri (Italy), C. Terenzi, Giuseppe Venturella, Maria Letizia Gargano, G. A. Bermúdez-León, S. Montanari, V. Andrisano

- 15:20-15:40 Mycochemical profile and antioxidant activity of two cultivated *Pleurotus* species: *P. ostreatus* (Jacq.) P. Kumm. 1871 and *P. eryngii* (DC.) Quél. 1872
Vesna Šolajia (Serbia), M. Rašeta, M. Nocić, J. Mišković, M. Rakić, E. Čapelja, M. Karaman
- 15:40-16:00 Composition and antimicrobial activity of hydroalcoholic extracts of *Pleurotus eryngii* var. *ferulae* and *P. eryngii* var. *elaeoselini*
Flavio Polito (Italy), L. De Martino, G. Mirabile, G. Venturella, M. L. Gargano, V. De Feo, H. Elshafie, I. Camele
- 16:00-16:20 Potential of submerged exo - and intra-polysaccharides from two *Schizophyllum commune* Fr. 1815 strains in biopriming of pea (*Pisum sativum* L.) seed
I. Mišković, Maja Karaman (Serbia), G. Tamindžić, M. Borišev, M. Rašeta, G. Gojčić-Cvijović
- 16:20-16:40 Pharmacological activities and standard compounds of *Cordyceps pruinosa* mycelial extracts
Seong Hwan Kim (South Korea), I.H. Lee
- 16:40-17:00 Antioxidant properties, total phenolic and flavonoid content of different extracts of the medicinal mushrooms *Pleurotus eryngii*, *Leccinum scabrum*, *Leccinum versipelle* and *Pisolithus tinctorius*
Giulia Mirabile (Italy), M.L. Gargano, G. Venturella, M. Asatiani
- 17:00-17:20 Advances in the use of medicinal mushrooms in animal production
Omon S. Isikhuenben (USA/Nigeria), L. K. Olagunju, S.A. Suberu, U.Y. Anele
- 17:20-17:40 Means from *Fomes fomentarius* for adding to the feed of domestic animals in order to improve the quality of milk and meat products
Olea Senjuk (Ukraine), A. Zaitseva, N. Hryshchenko
- 17:40-18:00 Biological screening of some wild mushrooms of Berti Raj Forest, Buner, KP, Pakistan
Muhammad Hanif (Pakistan), F. Suleman
- 18:00-18:20 *Pleurotus ostreatus* as a new antimicrobial agent against bovine mastitis.
Ewa Ząbora (Poland), A. Kalinska
- 18:20-18:40 Evaluation of the drought tolerance and study on the drought tolerance mechanism of *Auricularia heimuer*
Fang-jie Yao (China), J. Sun, L.-x. Lu, M. Fang
- 18:40-19:00 Velvet family members regulate pigment synthesis of the fruiting bodies of *Auricularia cornea*
Li-xin Lu (China), X.-x. Ma, F.-j. Yao, M. Fang

Thursday, 26 September 2024

08:30-13:00 CONFERENCE REGISTRATION OPEN



08:30-13:15 Congress Hall 1

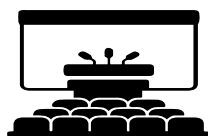
Parallel Session Medicinal mushrooms in human studies: from healthy aging to different diseases



Chairpersons: Paola Rossi (Italy) and
Liudmila Kalitukha (Germany)

- 08:30-09:15** Clinical experiences from the use of medicinal mushrooms in outpatient hospital settings in Germany
Christoph Kessler (Germany)
- 09:15-09:30** Benefits of *Fomes fomentarius* fibres (Good Feeling Power®) in the treatment of Addison's disease. Case study
Liudmila Kalitukha (Germany)
- 09:30-09:45** The potential benefits of AndoSan™ in subjects with colorectal cancer-related fatigue. rationale for its use, preliminary results and safety profile
Ralf Schmidt (Norway), B. L. Fiebich, H. Fjos
- 09:45-10:00** Nanoemulsified fungal compounds emerge as natural immunoadjuvants for cancer prevention and treatment in ongoing clinical trials
E. Sinde, A. Rodríguez-Blanco, Iván Simon, N. Sinde, Catalina Fernandez de Ana Portela (Spain)
- 10:00-10:15** Chitin-glucan-melanin complex from *Fomes fomentarius* as a means to stop bleeding and treat lacerations and burns in combat conditions
Olga Seniuk, N. Kurochko (Ukraine)
- 10:15-10:30** Electrophysiological Insights into *Hericiium erinaceus*: Unveiling its Neuroprotective Potential
Federico Brandalise (Italy), D. Ratto, L. Goppa, M.T. Venuti, A. Desiderio, E. Roda, E. Savino, P. Rossi
- 10:30-10:45** Preclinical Studies of a fibrinolytic pharmaceutical formulation containing a protease complex derived from the fungus *Sarocladium strictum* 203
Anna Shestakova (Russia), S.N. Rizatdinova, E.I. Kornienko, A.A. Osmolovskiy
- 10:45-11:00** Mushroom versus rare diseases: activity against the Leishmania parasite
Sevula Masaphy (Israel), L. Zabar, A. Peretz
- 11:00-11:15** *Pisolithus arhizus*: a bio-factory of terpenoids and pigments with health-promoting activity
Valentina Parisi (Italy), R. Nocera, G. Donadio, E. Rosa, S. Franchesbelli, V. Santoro, A. L. Piccinelli, L. Rastrelli, N. De Tommasi

- 11:15-11:30** *Ganoderma pfeifferi* Bres. 1889 and *G. resinaceum* Boud. 1889 as potential therapeutic agents: A comparative study on antioxidant, antiproliferative and lipid-lowering properties in alloxan-induced diabetic rats
Maja Karaman (Serbia), M. Kebert, S. Kaišarević, N. Stilinović, S. Vukmirović, S. Kostić, J. Mišković, M. Rašeta
- 11:30-11:45** Extracts from King Oyster mushrooms (*Pleurotus eryngii*), and their major bioactive compounds, reduce inflammatory stress signals in HAPI microglia cells
Isabelle Hininger-Favier (France), D. R. Fisher, A. Boumendjel, B. Shukitt-Hale
- 11:45-12:00** Administration of *Coriolus mrl* resulted in a significant reduction in PSA levels among prostate cancer patients
Eneribholo Eno-Edobor (Nigeria), T. N. Ogbonna, G. A. Aka, O. S. Isikbuemben
- 12:00-12:15** Biological role of ricin B-type lectins from the entomopathogenic fungi, *Cordyceps militaris*
Jili Zhang (Japan), Ono Akiko, Chihiro Sato, Rina Matsuda, Yuki Tanaka, Tomohiro Suzuki
- 12:15-12:30** The improved effect of bone health in animal models of osteoporosis administered ethanolic extracts of *Wolfiporia boelen*
Youngki Park (Korea), Rhim Ryoo, Jong-Beom Seo, Kyoung Tae Lee
- 12:30-12:45** Genome and transcriptomic analysis of biologically active angel-wing mushroom *Pleurocybella porrigens* that cause acute encephalopathy.
Nozomu Watanabe (Japan), K. Mitsukuni, T. Sato, A. Ono, T. Suzuki
- 12:45-13:00** Function evaluation and mechanism study of *Sanghuangporus vaninii* in inhibiting cervical cancer and lowering uric acid
Yan Yang (China), D. Wu, T. Li, W.Ch. Chen, P. Liu, Z. Zhang, W. Li
- 13:00-13:15** Acute effects of naturally occurring nordic Lions Mane extracts on cognitive performance
Chris Fields (USA), B. Raub, E. J. Ziegenfuss, S. Hartsborn, J. Grdic, A. Gustat, J. Sandrock, T. N. Ziegenfuss



08:30-13:30 Congress Hall 2
Parallel Session Medicinal mushrooms as a source of novel functional food and health benefits



Chairpersons: Lilian Barros (Portugal) and
Alessandro Colletti (Italy)

- 08:30-09:00** Full spectrum mycoproducts explained
John Holliday (USA)
- 09:00-09:15** Medicinal mushrooms, regulatory aspects and quality: let's open the pandora box
Marzia Pellizzato (Italy)
- 09:15-09:30** Safety and efficacy of medicinal mushroom supplements: is a "significant history of consumption" enough
Alessandro Colletti (Italy)
- 09:30-09:45** Medicinal mushrooms: not only β -glucans for clinical practice
Valentina Citi (Italy)
- 09:45-10:00** Recent Advances in Biotechnological and Biomedical Research of Macrofungi
Susanna Badalyan (Armenia), S. Rapior, A. Zambonelli
- 10:00-10:15** Degradation of β -D-glucan from *Ganoderma lucidum* to produce oligosaccharides and the separation, structural and immunoregulatory property investigation
Yanfeng Liu (China), X. Qin, G. Ma, L. Liu, J. Feng, J. Zhang
- 10:15-10:30** Completeness of Spagyric multiextraction from medicinal mushrooms and their relative structures of crystallizations
David Casulli (Italy)
- 10:30-10:45** Production of new bioactive metabolites from *Hericium erinaceus* by the regulation of cultivation conditions
Mi Kyeong Lee (Korea), S. H. Ryu, A. Turk, B. S. Kim
- 10:45-11:00** *Hericium erinaceus* supplementation as a prebiotic fibre impacting microbiome composition and neuroactive targeted metabolomics
Julie Daoust (USA), S. Andrasko, J. Schmaltz, J. Ghyselinck, P. Gamorow
- 11:00-11:15** Application of design of experiment and multivariate analysis in the process of *Ganoderma lucidum* basidiocarps extraction
Ivana Sofrenić (Serbia), L. Popović, K. Simić, S. Ivanović, J. Ljubić, V. Tešević, B. Anđelković
- 11:15-11:30** Gluten free plant-based functional cookies: an interesting food for celiac consumers
Fortunato Cirlincione (Italy), M.L. Gargano, G. Balenzano, R.V.C. Cardoso, D. Almeida, T.C. Finimundy, B. Melgar, L. Barros
- 11:30-11:45** Application of FTIR spectroscopy in monitoring of *Fomitopsis betulina* fruiting bodies chemical composition
Boban Anđelković (Serbia), I. Sofrenić, D. Godevac, A. Knežević, V. Tešević, I. Đorđević, S. Milosavljević
- 11:45-12:00** Integrative Omics analysis of *Hericium erinaceus*: comparative insights from proteomics and NMR metabolomics
Lorenzo Goppa (Italy), M. Spano, E. Ferrari, C. Santambrogio, S. Brocca, L. Mannina, P. Rossi, E. Savino

- 12:00-12:15** Extraction of antioxidant and anti-inflammatory fractions from *Sparassis crispa* using pressurized fluids
Paula García-Ponsoda (Spain), C. Soler-Rivas, A. Ruiz-Rodríguez, L. Jaime, M. Trinidad Herrero, S. Santoyo
- 12:15-12:30** Industrial cultivation of medicinal mushrooms: unlocking functional food potential
William Goss (USA)
- 12:30-12:45** Mycolife liquid extracts, the new generation of medicinal mushroom preparations. Innovative know-how procedure and what is behind it
Kolos Kiss (Italy), N. Szabó, A. Gubó
- 12:45-13:00** Mushroom bio-residues as a source of dietary fibre
Eliana Pereira (Portugal), L.G.F. Ferri, R. Cardoso, D. Almeida, D.C. Lenbard, I.C.F.R. Ferreira, L. Barros, A. Fernandes
- 13:00-13:15** Biopreparation Mikosan from *F. fomentarius* for plant protection
Olga Seniuk (Ukraine), G. Leontij
- 13:15-13:30** Implementation of the MIRRI-SAAF catalogue of culture collections: an example of data management and resources sharing
Rosa Guarcello (Italy)



13:30-14:30 Lunch, CASSIOPEA HALL

17:00 Visit to the city of Altamura
20:00 Congress Dinner I LUOGHI DI PITTI – MASSERIA SAN GIOVANNI (Altamura)

Friday, 27 Sept 2024

08:30-15:00 CONFERENCE REGISTRATION OPEN

09:00-12:55 Congress Hall 1
Session *Therapeutic potential of psychedelic mushrooms* (simultaneous translation provided)



Chairpersons: **Tania Re** (Italy),
John Holliday (USA),
Omoanghe S. Isikhuemhen (USA)

09:00- 09:45 Psilocybin mushrooms: history, use and identification
Paul Stamets (USA)

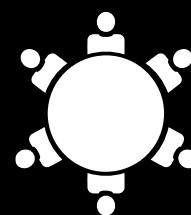
- 09:45-10:15** *Psychedelic-assisted psychotherapy - How to catalyze the mechanisms of psychotherapeutic action*
Daniele Zullino (Switzerland)
- 10:15-10:35** Ethnomycology and the therapeutic potential of psychedelic mushrooms:
Policy and advocacy perspectives
William Goss (USA)
- 10:35-11:55** End of life: a new training approach
Tania Re (Italy)
- 10:55-11:15** The use of phenomenology to understand the psychedelic experience induced by psilocybin.
New potential applications in research and clinical practice
Antonio Metastasio (Italy), E. Prevete, A. Garofalo, S. Venturini, N. De Pisapia, O. Corazzini
- 11:15-11:35** Neurophenomenology in Tibetan mediation and in psychedelics
Filippo Bosco (Italy), B. Neri, T. S. Re, A. Chiolerio
- 11:35-11:55** Correlation and complexity of fungal electrome
Alessandro Chiolerio (Italy)
- 11:55-12:15** Heavenly prospects: Psilocybin-induced death and god encounters compared
Lucas Pawlik (Austria)
- 12:15-12:35** Exploring the therapeutic potential of psilocybin in neurology
Evan Cole Lewis (Canada)
- 12:35-12:55** De novo implementation of publicly-funded Psilocybin-Assisted Therapy for cancer patients
in a palliative care outpatient practice: A Montreal story
Houman Farzin (Canada)



13:00-14:30 Lunch, CASSIOPEA HALL

15:00-17:00 Congress Hall 1
ROUND TABLE:
Psychedelics between the right to science and national laws
co-organized with Associazione Luca Coscioni
(simultaneous translation provided)

Moderators: Tania Re and Marco Perduca (Italy)



SPEAKERS

Psilocybin fungi: bridge between life and death
Piero Cipriano (Italy)

The right to science and substances under international control
Giulia Perrone (Italy)

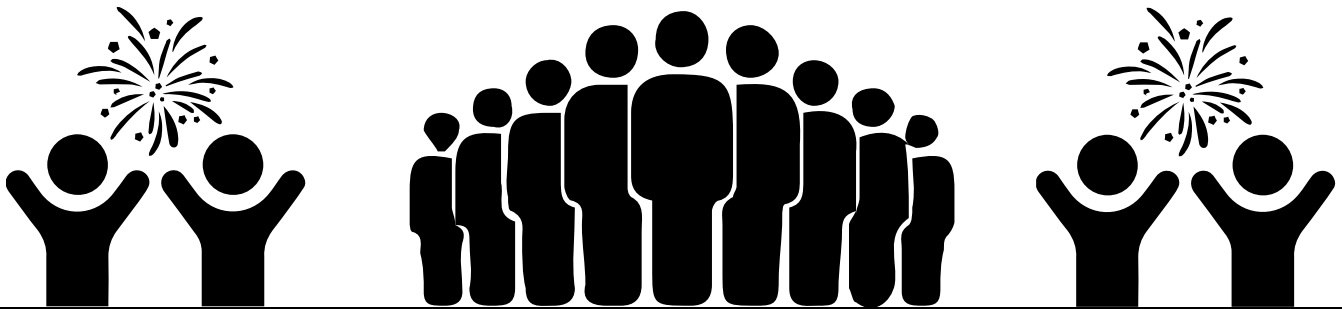
The clinical experiences that do not exist
Mauro D'Alonzo (Italy)

Compassionate therapies at the end of life
Claudia Moretti (Italy)

MAPS in Italy – First Italian conference on psychedelics
Michelle Barocchi (Italy)

Great treatment with psilocybin and Ayahuasca: preliminary results
Alessio Faggioli (Italy)

Conclusions: Marco Cappato, (Italy) Associazione Luca Coscioni



17:00 Congress Hall 1
IMMC12 Closing Ceremony



(available for the duration of the Conference on the appropriate screens)

- eP_01** Therapeutic potential of *Ganoderma* species: Traditional medicine and evidence of effectiveness
S.M. Badalyan, S. Morel, S. Rapior, F. Fons
- eP_02** Fungal mycelium: Innovations in 3D bioprinting and yeast cell immobilization
S. Brunet, M. Odanović, S. Birgermajer, U. Miljić, J. Kojić, N. Jaćimović, Lj. Janjušević
- eP_03** Tara Mountain (Serbia) - a valuable habitat for medicinal mushrooms
E. Čapelja, M. Karaman, M. Marković, I. Dudaš, M. Rakić
- eP_04** Verification of the regenerative potential of *Laetiporus sulphureus* extracts for topical applications
H. Car, A. Sadowska, D. Sawicka, B. Skonieczna, E. Zapora
- eP_05** The correlation of antimicrobial potential and bioactive compounds between extracts of cultivated and wild edible mushrooms of *Agaricus*
A.D. Ćirić, M.D. Soković, L.A. Barros, F.S. Reis, J.M. Glamočlija
- eP_06** Sustainable cultivation of medicinal mushrooms: mycoagroecology and Iside farm case study
C. Di Giovambattista, M. Giordano, E. Gobbi
- eP_07** Comparative chemical analysis and bioactive properties of aqueous and glucan-rich extract *Cyclocybe aegerita* (V. Brig.) Vizzini
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