



International Workshop on Edible Mycorrhizal Mushrooms

Event Program

"Rescuing biodiversity and multiculturalism for local development"



Consejo Nacional de Investigaciones
Científicas y Técnicas



Agencia I+D+i

Agencia Nacional de Promoción
de la Investigación, el Desarrollo
Tecnológico y la Innovación



UNIVERSIDAD NACIONAL DE LA
PATAGONIA SAN CARLOS DE
BARILECHE



UNIVERSIDAD NACIONAL DEL COMAHUE
1972



PARQUE NACIONAL LOS ALERCES
RESERVA NACIONAL DE PARQUES NACIONALES
ARGENTINA



Provincia del
neuquén



Gobierno
de la Provincia
del Neuquén



RN
RÍO NEGRO
AGENCIA INNOVA



Chubut
Provincia



Hacemos
futuro



ESQUEL
MI CIUDAD



MUNICIPALIDAD DE
TREVELIN
Y SUS PARAJES



ROBIN
pépinières
1948-2023
75
ans



TRUFAS
LA ESPERANZA



MYCOTREE



Asociación Micológica
Carlos Spegazzini



SPUN
SOCIETY FOR THE PROTECTION
OF UNDERGROUND NETWORKS



INTACT
Innovation in Truffle cultivation, preservation,
processing and wild truffle resources management



EUROPEAN UNION



CIEFAP

Melipal Center (Fontana 815)
Esquel, Chubut, Patagonia Argentina
April, 22 - 26, 2024

Sunday 21st

- 17:00 - 19:00 **Reception and registration**
- 19:00 - 22:00 **Informal welcome reception**

Monday 22nd

- 8:00 - 9:00 **Reception and registration of the attendees**
- 9:00 - 9:30 **IWEMM11 Opening ceremony**
- 9:30 - 10:30 **Pérez Moreno, Jesús** - Opening Conference
"GLOBAL FUNGA, MULTICULTURALITY, FOOD SECURITY AND SUSTAINABLE DEVELOPMENT"
- 10:30 - 10:50 **COFFEE BREAK**

Biodiversity. Evolution. Taxonomy and distribution. Genetics and genomics

- 11:00 - 11:35 **Bradshaw, Alexander** - "Perspectives on emerging molecular techniques in mycology for studying the biology of edible ectomycorrhizal mushrooms"
- 11:35 - 11:50 **Rinaldi, Andrea C.** - "Restinga ectomycorrhizae: more than meets the eye"
- 11:50 - 12:05 **Flores, Roberto** - "Mycorrhizal fungal diversity in Sierra de las Minas, Guatemala, rapid analysis of one of the main hotspots in the world"
- 12:05 - 12:20 **Salazar-Vidal, Viviana** - "Diversity and geographic distribution of ectomycorrhizal edible fungi present in the Nahuelbuta mountain range, Biobío, Chile"
- 12:20 - 14:00 **LUNCH AT OWN ARRANGEMENTS (CONSULT FOR RESTAURANT DISCOUNTS)**
- 14:00 - 14:15 **Belfiori, Beatrice** - "Revision of misassigned barcoding sequences in public databases, the case of internal transcribed spacer in whitish truffles"
- 14:15 - 14:30 **Somrau, Alex** - "Main edible fungi present in the pine plantations of the Argentine Mesopotamia and their potential as non-timber forest products"
- 14:35 - 15:00 **CLOSING SESSION**

Ecology and physiology

- 15:00 - 15:35 **Martín-Pinto, Pablo** - "ECM fungi play a key role in wildfire prevention and restoration of fire degraded areas"
- 15:35 - 15:50 **Sitrit, Yaron** - "The microbiome structure of the symbiosis between the desert truffle *Terfezia boudieri* and its host plant *Helianthemum sessiliflorum*"
- 15:50 - 16:05 **Oikrim, Marwa** - "Desert truffles and truffles in Morocco"
- 16:05 - 16:20 **Guerin-Laguette, Alexis** - Tribute to Pierre Sourzat
- 16:20 - 17:30 **POSTER PRESENTATION & COFFEE**

Tuesday 23rd

Cultural and economic importance, traditional knowledge

- 9:00 - 9:35 **Molares, Soledad** - "Traditional vs. non-traditional and a conceptual turn in the study of local mycological knowledge in Patagonia: memory and flexibility in times of change"
- 9:35 - 9:50 **Tatek, Dejene** - "Ethnomycological notes from Yayu Coffee Forest, southwest Ethiopia"
- 9:50 - 10:05 **Ruan-Soto, Felipe** - "Myths, beings and beliefs behind wild mushroom use in mesoamerica"
- 10:05 - 10:20 **Rajchenberg, Ruth** - "Serifungrafía Patagónica (re)presentation of fungi in culture"
- 10:20 - 10:40 **COFFEE BREAK**
- 10:40 - 11:15 **Guerin-Laguet, Alexis** - "From scientist to consultant: Mycotree supports edible mycorrhizal fungi cultivation in New Zeland while maintaining an international collaboration"
- 11:15 - 11:30 **Peris, Paula & Jallos, Chelsea** - "From science to the table: Patagonian mycoculture capacity building through community-based educational workshops"
- 11:30 - 15:30 **SIERRA COLORADA/ LAGUNA LA ZETA MYCOTRIL. OPTIONAL EVENT**

Climate change, conservation, sustainability

- 15:30 - 16:05 **Thomas, Paul** - "Edible ectomycorrhiza, climate change and sustainability"
- 16:05 - 16:20 **Perini, Claudia** - "What's about the Italian porcino?"
- 16:20 - 16:35 **Rondolini, Mara** - "Restoration strategies for enhancing *Tuber borchii* Vittad. production in abandoned olive groves: a metagenomic approach"
- 16:35 - 17:10 **Donnini, Domizia** - "Environmental conservation and sustainable management: what future for *Tuber magnatum* Picco?"
- 17:10 - 18:10 **POSTER PRESENTATION, COFFEE & CRAFT FAIR**

Wednesday 24th

- 8:00 - 18:00 Field trip to Los Alerces National Park - **TRAILS TO IDENTIFY LOCAL MUSHROOMS, ASADO IN THE WILD**

Thursday 25th

Cultivation and management . Habitats, productivity and mycosilviculture. Novel species cultivation

- 9:00 - 9:35 **Yamada Akiyoshi** - "Cultivation studies of edible ectomycorrhizal mushrooms: successful establishment of ectomycorrhizal associations in vitro and formation of fruiting bodies"
- 9:35 - 9:50 **Pildain, M Belén** - "Soil fungal community composition and *Tuber melanosporum* mycorrhiza abundance under productive and not productive trees of *Quercus* spp. in Argentina"
- 9:50 - 10:05 **Amicucci, Antonella** - "The effect of bacterial inoculation on *Tuber melanosporum* Vittad. root colonization and *Quercus ilex* seedling growth"
- 10:05 - 10:20 **Yang, Mei** - "Cultivation status and challenges of truffles and other high-value edible fungi in Panzhihua, Sichuan"
- 10:20 - 10:40 **COFFEE BREAK**
- 10:40 - 10:55 **Delard, Claudia** - "Effect of *Tuber borchii* inoculation on stone pine (*Pinus pinea* L.) growth, by analyzing three consecutive years of plant establishment"
- 10:55 - 11:10 **Sanz - Benito, Ignacio** - "Effects of fuel reduction treatments on the sporocarp production and richness of a *Quercus/Cistus* mixed system"
- 11:10 - 11:25 **Tatek, Dejene** - "Tree retention to conserve edible sporocarps in short-rotation plantations of Ethiopia"

11:25 - 12:00

CLOSING SESSION

12:00 - 14:00

LUNCH AT OWN ARRANGEMENTS (CONSULT FOR RESTAURANT DISCOUNTS)

14:00 - 14:35

Sánchez Duran, Sergio - "Present and future challenges for black truffle cultivation"

14:35 - 14:50

Salgado Salomón, M Eugenia - "Mapping of areas suitable for black truffle farming in Patagonia, Argentina"

14:50 - 15:05

Marco Montori, Pedro - "Volatilome study of cultivated black truffle (*Tuber melanosporum*) to distinguish geographical origin"

15:05 - 15:20

Franco Manchón, Iván - "Influence of different irrigation systems on black truffle yields"

15:20 - 15:35

Robin Pépinieres - "Robin Nurseries. Production of truffle plants, mushrooms plants and HIGH PERFORMANCE° mycorrhizal plants"

15:35 - 16:10

Morte, Asunción - "Unravelling biological and environmental factors for desert truffle sustainable cultivation"

16:10 - 16:25

Lahsen, Khabar - "Wild truffles and desert truffles in Morocco: Geographical distribution, soil characteristics and ecology"

16:25 - 17:00

COFFEE & CRAFT FAIR

17:00 - 18:00

Argentinian truffle producers presentation

GALA DINNER (7PM BUS TO GALA DINNER FROM MELIPAL)

Friday 26th

Biotechnology. Bioactive compounds. Food security and health

9:00 - 9:35

Marco Montori, Pedro - "Exploring the bioactive potential of mushrooms: modern analysis techniques and applications "

9:35 - 9:50

Rugolo, Maximiliano - "Wild ectomycorrhizal mushrooms from Patagonia as an edible resource: nutritional composition, antioxidant capacity and antimicrobial activity"

9:50 - 10:05

Del Vigo, Andrés - "Are the species of *Amanita* present in the Argentinian Patagonia toxic?"

10:05 - 10:20

González, Gabriela - "*Ramaria patagonica*: post-harvest conservation of an endemic mushroom of gastronomic and cultural interest"

10:20 - 10:40

COFFEE BREAK

10:40 - 10:55

Parada, Romina - "Evaluation of the toxicity of *Gyromitra* sp. and *Morchella* sp. through *Artemia salina* bioassay"

10:55 - 11:30

Bonito, Gregory - "Volatile compound analysis of diverse North American truffle species"

11:30 - 12:00

CLOSING SESSION

12:00 - 14:00

LUNCH AT OWN ARRANGEMENTS (CONSULT FOR RESTAURANT DISCOUNTS)

Mycotourism and mycogastronomy

14:00 - 14:35

Barroetaveña, Carolina & Pildain, M Belén - "Between mate, meat and football: R&D with edible fungi in the Patagonian Andes of Argentina"

14:35 - 14:50

Di Lonardo, Sara - "Protecting and valorizing wild truffle ecosystems while sustaining rural tourism on the Tratturo: a case in Molise region (Italy)"

14:50 - 15:05

Pérez Moreno, Jesús - "Development of mycotourism and mycogastronomy in México"

15:05 - 15:30

COFFEE BREAK

15:30 - 17:00

IWEMM12 OPPORTUNITIES. CLOSING CEREMONY