



Research group  
**MYCOLOGY**  
DEPARTMENT OF BIOLOGY  
GHENT UNIVERSITY



# International Russulales Workshop 2022

Jaca, Spain

October 2<sup>nd</sup> - 8<sup>th</sup> 2022



Valley where Jaca is located, surrounded by mountains

## Organization Committee

Joaquín Martín Portal

Jose María Traba Velay

Luis Ballester

Ibai Olariaga Ibarburen

Annemieke Verbeke

Slavomír Adamčík



Dear Russulales friends,

We would like to announce that the next Russulales workshop will take place in Jaca (Aragón, Huesca, Spain) a city in the vicinity of the Pyrenees in the NE of the Iberian Peninsula. Jaca is a city where The Mycological Congress of the Pyrenees has been organized since 2006 by the local mycological society “La Usonera”. The 8<sup>th</sup> edition of that congress will be held in Jaca right after the Russulales workshop. Jaca offers excellent facilities to host a mycological meetings like the Russulales workshop, because it is situated in a highly diverse area, in the boundary between the montane, temperate and Mediterranean climates. Within an driving distance of one hour from Jaca, there are forests with *Abies alba*, *Fagus sylvatica* and *Pinus sylvestris* but also Mediterranean oak trees like *Quercus faginea*, *Quercus rotundifolia* and *Pinus hapalensis*. Biological diversity of the area is also boosted by local geological diversity with limestones, granits, sandstones or schists.

Targeted areas for field work will largely depend on weather conditions and humidity before the congress. In normal years, the valleys of the Pyrenees (northern and southern expositions) are usually wet in early October and plenty of mushrooms can be collected there. If there will be too little rain during the weeks before the congress, the north slopes of the Pyrenees in France used to be more consistently foggy and rainy and usually are more suitable for mushrooms collecting. If rain comes too early, Russulales can appear also in Mediterranean habitats. If weather will be warm and night freezing delayed, we may visit subalpine and alpine localities with *Pinus uncinata*, dwarf *Salix* and *Dryas octopetala*.



Some of the species that occur in the Jaca area: a) *Lactarius rubrocinctus*, b) *Russula azurea*, c) *Lactarius salmonicolor*, d) *Lactarius atlanticus*, e) *Russula vinosobrunnea*, f) *Lactarius mairei*.



The workshop starts on **Sunday 4<sup>th</sup> October 2020** (arrival day) and ends at the morning on **Saturday 10<sup>th</sup> October 2020**. The meeting in Jaca will be the 6<sup>th</sup> after previous workshops in Belgium (2010), Germany (2012), Slovakia (2014), Italy (2016) and Sweden (2018). It will be another excellent opportunity to conduct fieldwork and to exchange knowledge about Russulales in Europe and worldwide. The meeting will consist of fieldwork in the morning, and microscopic work for identification in the afternoons, along with a few presentations on current trends in Russulales research.

### **Bring your own *Russula***

Two years ago in Sweden, we presented a proposal for global *Russula* morphology standards. These standards help to compare details in descriptions of different mycologists and help to understand differences among closely related or look-alike species. They are the result of international *Russula* cooperation and they were used in a publication of 26 species, re-described or published first for science. There are still other reasons why international cooperation may significantly simplify and improve *Russula* research. One of them is collections share. Well documented collections from various countries, regions, and biotopes help to understand species limits in terms of morphological and genetic variability. Such material is necessary to recognize if geographical distance and barriers, different ecological and climate conditions and various host trees contributed to adaptation and evolution of new species. Collections share may also facilitate access to fresh material from type localities or other historically interesting sites and to understand the original concept of older species names.

For this Russulales workshop, we are requesting citizen and professional mycologists to contribute to one common systematic case for the first time: let's test the species hypothesis of *Russula* subsection *Amoeninae*! The group is easy to recognize because of the dry velvety surface of the cap, specific smell of *Lactarius volemus* and absence of cystidia. Three species, *R. amoena*, *R. amoenicolor* and *R. violeipes* are recognized in Europe. We know there are 3 more species in Southeast Asia; one was described from India, nine from the USA. The morphological delimitation of European species has never been tested before by a phylogenetic study. The participants of the Jaca Russulales workshop are encouraged to bring dried collections of *Amoeninae* or post them after the workshop. We need good location data with geographic coordinates. We need good photos and good field descriptions (please check with Supplementary material 2 at <https://link.springer.com/article/10.1007/s13225-019-00437-2#Sec36>).

We hope our fresh 2020 collections will serve as an excellent material for sequencing of multiple loci from multiple areas. The material can be sequenced in the laboratory of Plant Science and Biodiversity Centre of the Slovak Academy of Sciences. The preliminary results based on few collections from Slovakia, Germany and Greece will be presented during the workshop. The future of this project depends on every participant. Please join us and bring *Russula* from your place!

### **Accommodation, laboratory and lectures**

The working place and lecture rooms are kindly provided by Jaca University (owned by the Zaragoza University), with enough place for setting up microscopes, equipment and literature of all participants. Jaca University will provide also hall for breakfasts. Lunches will be provided in form of picnic baskets in the field. The dinner place will be in Gran Hotel Jaca,





very close to Jaca University. The approximate accommodation cost of the will will range between 280–400 € for one person and the whole stay, for details see below. The full diet during the workshop recommended by organizers will be approximately 40 € per day and participant. Although we strongly recommend staying in the Jaca University, but other options for accommodation exist in the neighborhood, like hotels or apartments:

Hotels (accommodation for the whole congress around 350-400 €, meals not included):

Hotel Conde Aznar (150 m from Jaca Univ., <http://www.condeaznar.com/ingles/index.html>)

Gran Hotel Jaca (170 m, <https://www.granhoteljaca.com/en/>)

Hotel Jolio Jaca (290 m, <https://www.joliojaca.com/en/>)

Hotel Jaqués (350 m, <http://www.hoteljaques.com/en/>)

Apartments (around 280-300 €):

La Postal de Collarada (350 m, <https://la-postal-de-collarada-jaca.hotelmix.es/>)

Apartamento Jaca (250 m, <https://jacacentrum.negocio.site/>)

Altur 5 Jaca (200 m, <http://www.altur5.com/>)

### **Transport:**

Jaca University is located in the SW part of the village (42.568922, -0.554095).

There are five airports that the participants may use to reach Jaca: Pau (France, 119 km from Jaca), Pamplona (130 km), Zaragoza (139 km), Bilbao (271 km) and Barcelona (340 km). Among these, Bilbao, and especially Barcelona, are the ones with more flight connections. Cars can be rented in all airports but further connections by train and bus will be explained below.

#### From Pau airport (119 km from Jaca)

It takes 1h 54 min to get to Jaca by car. There are no direct bus or train lines to Jaca. Participants can take the train to Bedous (4 trains by day) and take then a bus or a car to Jaca (it would take 3 h 30 min approx).

#### From Pamplona-Iruñea airport (130 km)

It takes 1h 30 min to get to Jaca by car. Participants can fly to Pamplona via Madrid. Several buses go directly from Pamplona to Jaca (2h), more often during autumn and winter.

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*Location of Jaca in NE Spain.*

From Zaragoza airport (139 km)

It takes 1h 33 min to get to Jaca by car. Participants can also fly to Zaragoza via Madrid. From Zaragoza participants can take direct trains (3h) or buses (2h 30 min).

From Bilbo airport (271 km)

It takes 3h 1 min to get to Jaca by car. Participants can also take a bus to Pamplona and from there to Jaca (5h in total). There are many international flights to Bilbao, from: Amsterdam, Bristol, Brussels, London, Lisbon, Dublin, Florencia, Dusseldorf, München, Nantes, Napoles, Oporto, Paris, Rome, Stuttgart, Venece, Vienna, Zurich, etc.).

From Barcelona airport (340 km)

It takes 3h and 36 min to get to Jaca by car. There are no good connections by train and bus to Jaca but flying to Barcelona might suit the participants because the airport receives flights from many European countries.

Please if you are interesting to participate, contact [slavomir.adamcik@savba.sk](mailto:slavomir.adamcik@savba.sk) or [mieke.verbeken@ugent.be](mailto:mieke.verbeken@ugent.be). We will send you more information and the subscription form around before 15<sup>th</sup> May 2022.