**EVOLUTION OF THE *Umbilicaria crustulosa* SPECIES COMPLEX – AN INTEGRATIVE TAXONOMY APPROACH**

Evgeny A. Davydov1, Anjuli Calchera2, Didier Masson3, Jürgen Otte2, Christian Printzen2, Garima Singh2, Imke Schmitt2

1 Altai State University; 2 Senckenberg Forschungsinstitut und Naturmuseum Frankfurt; 3 Académie de Bordeaux; \* E-mail: eadavydov@yandex.ru

A widespread in Europe, common and locally abundant taxon of lichen-forming fungi (the *Umbilicaria crustulosa* complex) consists of three species that are separated by morphology, secondary chemistry, molecular markers, and ecological niche preference. The taxon can serve as a model to study morphological and chemical evolution, as well as climate adaptation.