

EINLADUNG

Kolloquium
Wintersemester 2020 / 2021

Prof. Dr. Annemieke Verbeken

Universität Gent
Abteilung Mykologie

hält am Dienstag, den **03.11.2020**, um 16:15 Uhr einen Vortrag über
**„What’s in a species? Species delimitation and recognition
in Russulaceae“**



A. Verbeken in Benin.

As in most Agaricomycotina, species delimitation in Russulaceae followed the morphological or phenotypic species concept until the 90s from the previous century. Though fungi are generally considered to have a relatively simple morphology, Russulaceae display quite a large number of characters and especially very variable ones where it is challenging to determine character states. The onset of molecular tools initially made it clear that some features have been overestimated and others have a larger phylogenetic signal than previously assumed. It also

became clear that in some groups the high morphological variation is not reflected in its phylogenetic structure, while in others we see a large genetic diversity, illustrated by the many cryptic species. Most recent studies combine information from one locus or – preferably – different loci with morphological, ecological and biogeographic characters in an integrative approach, in which species are treated as segments of separately evolving metapopulation lineages, which can be delimited by using former species concept criteria as independent lines of evidence (e.g. GCPSR, ecological differentiation, morphological diagnosability, geographic range). A highly corroborated species hypothesis requires multiple independent lines of evidence.



Lactarius fennoscandicus Verbeken & Vesterholt, a species described from Scandinavia.

Einladende: Prof. Dr. Meike Piepenbring



Dieser Vortrag findet digital per Zoom statt. Über diesen Link kommen Sie zu der entsprechenden Veranstaltung:

<https://uni-frankfurt.zoom.us/j/93960153804?pwd=YjBZOUQ0ZnhxcUUwSmZpMIMrLzZDQT09>

Meeting-ID: 939 6015 3804
Kenncode: 185727