

CONFERENCES

2nd - 6th June 2025

Bruna Ilde Menozzi attended the 10th NPP (Non Pollen Palynomorphs) Workshop in Göttingen (Germany) presenting new data about "Spores of hypogeous fungi in a palynological soil profile from a Mediterranean terrace" together with Marco Iannaccone, Mirca Zotti and Anna Maria Stagno. The presentation focuses on the taphonomy of hypogeous fungal spores and their significance in the interpretation of the results of palynological profile analyses.

<i>Elaphomyces virgatosporus</i>	very rare	<i>Corylus avellana</i> ; <i>Castanea sativa</i> ; mixed broadleaf trees; beech and fir forest	"granitic geological context"
<i>Tuber rufum</i> group	very common and widespread		
<i>Terfezia leptoderma</i>			
<i>Hymenogaster</i> spp.			
<i>Wakefieldia macrospora</i>	rare		
<i>Gautieria trabutii</i>			

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some ideas for further discussions ...

- similarities among spores of fungi with completely different autoecology
- can "our" chemical treatments affect the identification because of the variation of the size or colour of the spores?
- conservation ecology ⇨ "hot spots" for truffles (sensu lato) // land use
- how did they get into the sediment/soil?
 - falling on the soil surface
 - produced in the litter layer
 - produce at the level of the rhizosphere (e.g. hypogeous fungi, endophytes in the roots, ...)
 - ⇨ Different "meaning" for the presence of a particular NPP type depending to the type of site, e.g. an archaeological site as a "terrace" vs. an old forest soil vs. a small lake
- ecological knowledge: even in the case of identified species, it is often difficult to find useful ecological information