

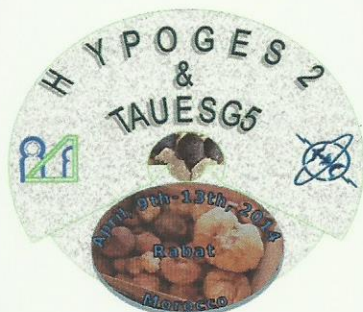


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Association marocaine pour la protection des Truffes et des autres champignons comestibles

TRUFFLE SPECIES NEWLY DISCOVERED IN TURKEY

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Turkey has a potentially rich diversity of truffle taxa due to its unique phytogeographical location between Europe, Middle East, and Asia. Over 2000 fungal taxa have been recorded from Turkey (Sesli and Denchov 2009) but to date only 42 truffle taxa have been reported from Turkey (Türkoğlu and Castellano, (2013, 2014). All specimens were collected all regions except Eastern Anatolian in Turkey. Some of the specimens were found with the help of a truffle dog. Macromorphological characteristics (size, fresh color, bruising reactions, and odour) of specimens were recorded, after which each was photographed in its natural habitat. Micromorphological characters were recorded after tissue sections were rehydrated in distilled water, 3% KOH or Melzer's reagent. Spores and sterile tissues were photographed with a compound microscope. All collections are deposited in the herbaria of Muğla Sıtkı Koçman University and Oregon State University. We report for Turkey the first records of 19 previously described truffle species plus five recently discovered, undescribed but provisionally named truffle species.

The first records of 19 truffle species are: *Elaphomyces leucocarpus* Vittad. (Locality. Artvin); *Elaphomyces muricatus* Fr. (Locality. Artvin); *Geneasphaerica* Tul. & C. Tul. (Locality. İzmir); *Terfezia clavariiformis* Chatin (Locality. Denizli, Konya, Urfa, Aksaray, Diyarbakır, Karaman); *Alpovadiophloeus* (Zeller & C.W. Dodge) Trappe & A.H. Sm. (Locality. Artvin); *Gautieria otthii* Trog (Locality. Bolu, Kastamonu); *Gautieria retirugosa* Th. Fr. (Locality. Bolu); *Gautieria trabutii* (Chatin) Pat. (Locality. Burdur); *Hymenogaster citrinus* Vittad. (Locality. Samsun); *Hymenogaster hessei* Soehner (Locality. Samsun, Kastamonu); *Hymenogaster luteus* Vittad. (Locality. Osmaniye, Isparta); *Hymenogaster lycoperdineus* Vittad. (Locality. Isparta); *Hysterangium clathroides* Vittad. (Locality. Kütahya); *Hysterangium piroiticum* Pacioni (Locality. Kastamonu); *Hysterangium fragile* Vittad (Locality. Kastamonu, Ordu); *Hysterangium nephriticum* Berk. (Locality. Sakarya); *Leucogaster tozzianus* (Cavara & Sacc.) Mattir. ex Zeller & C.W. Dodge (Locality. Kastamonu, Trabzon); *Octaviania asterosperma* Vittad. (Locality. Ordu, Trabzon); *Protoglossum aromaticum* (Velen.) J.m. Vidal (Locality. Kastamonu, Artvin).

Undescribed but provisionally named new truffle species:

1. *Gymnomyces gülsümae* Türkoğlu, Castellano & Trappe (Locality. Muğla).
2. *Melanogaster denizliana* Türkoğlu, Castellano & Trappe (Locality. Denizli).
3. *Tuberisilogloui* Türkoğlu, Trappe & Castellano (Locality. Osmaniye).
4. *Tuberuluçobanii* Türkoğlu, Trappe & Castellano (Locality. Denizli).
5. *Tuberwedenae* Türkoğlu, Trappe & Castellano (Locality. Osmaniye).

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