

## Checklist of the Bees of the Genus *Colletes* Latreille 1802 of Turkey (Hymenoptera, Apoidea, Colletidae)

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### ABSTRACT

There are currently 46 *Colletes* species and subspecies known from Turkey (23 % of the palaearctic fauna). Three species (*C. ankarae* Warncke, *C. glaber* Warncke, *C. hiekeseniori* Kuhlmann) are endemic and another five (*C. transitorius* Noskiewicz, *C. hakkari* Kuhlmann, *C. asiaticus* Kuhlmann, *C. warncke* Kuhlmann, *C. iranicus* Noskiewicz) are subendemic representing 17 % of the fauna. The (sub) endemic taxa are concentrated in the high mountains and the steppe areas. A checklist of all species including distribution records is presented.

*Key words:* *Colletes*, bees, checklist, Turkey.

### INTRODUCTION

The bee family Colletidae is characterized by glossal features not found in other bees: the glossa is short, commonly broader than long, truncate, bilobed or bifid, sometimes drawn out into two long, pointed processes (Michener, 1989, 2000). Although the Colletidae are morphologically diverse bees and have worldwide distribution, in the palaearctic region there are only two common genera, *Colletes* Latreille 1802 and *Hylaeus* Fabricius 1793 (Michener, 2000). The genus *Colletes* is characterised by the outwardly arcuate posterior part of the second recurrent vein. Additionally, the first submarginal cell is nearly equal to the second and third combined (Michener, 1989, 2000).

Except for Antarctica and Australia *Colletes* has a world wide distribution with centres of species diversity in arid and semi-arid environments. Michener (2000)