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New and little known digger wasps of the genus *Ammophila* W. Kirby, 1798 (Hymenoptera: Apoidea: Sphecidae) from Central Asia

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Abstract

Five species of *Ammophila* are treated. The lectotype of *Ammophila separanda* F. Morawitz, 1891 is designated and illustrated. The holotype of *Ammophila cellularis* Gussakovskij, 1930 is redescribed and illustrated. Two new species, *Ammophila barkalovi* sp. nov. (Kazakhstan) and *A. pevtsovi* sp. nov. (China), are described and illustrated. The hitherto unknown female of *A. vetuberosa* Li & Yang, 1994 is described.

Key words: taxonomy, new species, fauna, Palearctic region

Introduction

The available information on *Ammophila* of Palearctic region and India has been recently summarized by H. Dollfuss (2013a). During a study of the material of *Ammophila* at the Zoological Institute, Russian Academy of Sciences in St. Petersburg (ZISP) and the Institute of Systematics and Ecology of Animals, Russian Academy of Sciences, Siberian Branch in Novosibirsk (ISEN), two new species and additional material of three little known species were found. A photograph and a redescription are given of *A. cellularis* Gussakovskij, a species known only from the holotype from northeast Kazakhstan. The lectotype of *A. separanda* F. Morawitz is designated and a number of localities added (including localities from Russia). Geographic coordinates are given for all localities (Fig. 1).

Material and methods

The terminology for the description of species is based on Bohart & Menke (1976) for general morphology. The abbreviations T1, T2, T3, etc., are used to denote the first, second, third, etc., metasomal terga, and S1, S2, S3, etc., to denote the first, second, third, etc., metasomal sterna. New records are asterisked (*). Square brackets are used when information is added to specimen label information (e.g., the geographical coordinates).

Acronyms for collections from which specimens were borrowed or are deposited are as follows:

ISEN	Institute of Systematics and Ecology of Animals, Russian Academy of Sciences, Siberian Branch, Novosibirsk, Russia;
SDAU	Shandong Agricultural University, Taian, Shandong, China;
ZISP	Zoological Institute, Russian Academy of Sciences, St. Petersburg, Russia.