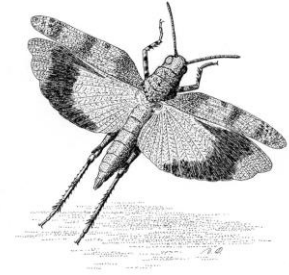


Forschungsförderung der DGfO

Antragsteller:

Rachida Hafayed (University of Biskra, Algerien)



Gefördertes Projekt:

Phylogenetic analysis of the subfamily Gomphocerinae grasshoppers (Orthoptera: Acrididae) in the region of Biskra, Algeria

Abstract

The Gomphocerinae of Biskra is the second largest subfamily after the Oedipodinae. Some cryptic species, have been discovered, must be confirmed. And some species will record the first time in the region and others for Algeria. In this project we are aiming to use integrated taxonomy, including morphological and genetic data, for understand the phylogenetic relationships of 14 species of Gomphocerinae in the Biskra region of Algeria. After all the samples have been identified morphologically, we will analyze the mitochondrial genes of 14 species with repetitions to answer the questions asked and to test cryptic diversity and lineage divergence. This will allow to generate new taxonomic hypotheses and to provide the first genetic data for the Gomphocerinae subfamily in Algeria.