



Orthoptera of Epirus

A field guide for identifying common Orthoptera species

Orthoptera include grasshoppers, crickets, and katydids. They are not just familiar sights in nature but also essential players in ecosystems. As **biodiversity indicators**, they help scientists track environmental health through their sensitivity to habitat changes. They are also key links in **food webs**, providing food for many birds, reptiles, and mammals and play

a vital role in **nutrient cycling**. Beyond their ecological role, these insects are simply fascinating, as their diverse songs and unique behaviors offer a glimpse into the complexity and beauty of the natural world.

The guide aims to help identify the most common Orthoptera species in the Epirus region in NW Greece. You can download the guide's PDF from the BCL website: https://bc.lab.uoi.gr/en/research/fieldguides/



Orthoptera of Greece

Greece is a **biodiversity hotspot** for Orthoptera, home to around **400 species**, representing **35% of Europe's total**. Among these, **140 species are endemic**, found nowhere else on Earth. The country's **diverse landscapes**, from mountain tops to the many isolated islands, provide ideal habitats for these insects. However, this remarkable richness is under threat, as **nearly half of the endemic species face extinction** due to habitat destruction and degradation, land abandonment, climate change, insecticides and inadequate grazing regimes, making conservation efforts more urgent than ever.

Orthoptera taxonomy

Kingdom	Phylum	Class	Order
Animalia	Arthropoda	Insecta	Orthoptera

Orthoptera species are divided into two main groups (suborders): **Ensifera** are crickets and katydids, and **Caelifera** are grasshoppers and locusts. These groups differ in appearance and behavior and ecology.



How to use the guide

This guide presents 30 common Orthoptera genera of Epirus. The genera are organized by suborder (Ensifera & Caelifera). For each genus, a representative species is shown (usually the most common). Pay attention to phenology: the months when the species are in adult form in Epirus. The grasshopper shape symbol indicates the relative size of the species (small, medium, or large). Check the key features highlighted in each species to help with identification. You can assist with identification by capturing Orthoptera for closer examination and photography. On the last page of this guide, you will find a summary of the symbols used.

Caelifera



Caelifera



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Caelifera



Ensifera



Ensifera



Ensifera



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The information about the phenology, the elevational range and the identification features was derived from: Willemse L, Kleukers R, Odé B (2018). The grasshoppers of Greece. EIS Kenniscentrum Insecten en andere ongewervelden.

Authors: Konstantina Nasiou & Apostolis Stefanidis	Body size of genus: 📈 small / 📈 medium / 📈 large		
Scientific editing: Vassiliki Kati	Phenology: when the genus is in adult form		
Photos: Roy Kleukers, Paolo Fontana, Geert de Knijf, Wiene Bakker,	Jan-Feb-Mar-Apr- May-Jun-Jul-Aug -Sep-Oct-Nov-Dec		
Konstanina Nasiou, Apostolis Stefanidis	Symbols:		
April 2025	I		

Check what you recorded

Genus	Species	Check	Genus	Species	Check
Acrida			Paracaloptenus		
Acrometopa			Pezotettix		
Aiolopus			Pholidoptera		
Arcyptera			Platycleis		
Calliptamus			Poecilimon		
Chorthippus			Pseudochorthippus		
Conocephalus			Psorodonotus		
Decticus			Rhacocleis		
Dociostaurus			Saga		
Euchorthippus			Sepiana		
Eupholidoptera			Stauroderus		
Euthystira			Stenobothrus		
Gryllus			Tessellana		
Oedipoda			Tettigonia		
Omocestus			Tylopsis		



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