

Supplementary material

Article title: Orthoptera community dynamics and conservation in a Natura 2000 site (Greece): the role of beta diversity. Authors: Stefanidis, A., Zografou, K., Tzortzakaki, O., and Kati. V.

Table S1. The Orthoptera fauna of Mt Mitsikeli according to the Greek Orthoptera atlas [1] and the current research.

| | Suborder | Family | Species | Greek Orthoptera atlas | Current research |
|----|-----------|-----------|-------------------------------------|------------------------------|---------------------|
| 1 | | | <i>Acrida ungarica</i> | | ● |
| 2 | | | <i>Aiolopus streppens</i> | | ● |
| 3 | | | <i>Arcyptera microptera</i> | ● | ● |
| 4 | | | <i>Calliptamus barbarus</i> | ● | |
| 5 | | | <i>Calliptamus italicus</i> | ● | ● |
| 6 | | | <i>Celes variabilis</i> | ● | |
| 7 | | | <i>Chorthippus biguttulus</i> | ● | |
| 8 | | | <i>Chorthippus bornhalmi</i> | ● | ● |
| 9 | | | <i>Chorthippus dichrous</i> | ● | ● |
| 10 | | | <i>Chorthippus mollis</i> | ● | ● |
| 11 | | | <i>Dociostaurus brevicollis</i> | ● | ● |
| 12 | | | <i>Dociostaurus maroccanus</i> | ● | |
| 13 | | | <i>Euchorthippus declivus</i> | ● | ● |
| 14 | | Acrididae | <i>Locusta migratoria</i> | | ● |
| 15 | Caelifera | | <i>Myrmeleotettix maculatus</i> | ● | |
| 16 | | | <i>Oedipoda caerulescens</i> | ● | ● |
| 17 | | | <i>Oedipoda germanica</i> | ● | ● |
| 18 | | | <i>Omocestus haemorrhoidalis</i> | ● | |
| 19 | | | <i>Omocestus rufipes</i> | ● | ● |
| 20 | | | <i>Paracaloptenus caloptenoides</i> | | ● |
| 21 | | | <i>Pezotettix giornae</i> | ● | ● |
| 22 | | | <i>Pseudochorthippus parallelus</i> | ● | ● |
| 23 | | | <i>Stauroderus scalaris</i> | ● | |
| 24 | | | <i>Stenobothrus fischeri</i> | ● | ● |
| 25 | | | <i>Stenobothrus lineatus</i> | ● | |
| 26 | | | <i>Stenobothrus nigromaculatus</i> | ● | |
| 27 | | | <i>Stenobothrus rubicundulus</i> | ● | |

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|----|----------|---------------|---------------------------------|---|---|
| 28 | | Gryllidae | <i>Gryllus campestris</i> | ● | ● |
| 29 | | | <i>Acrometopa servillea</i> | ● | |
| 30 | | | <i>Leptophyes punctatissima</i> | ● | ● |
| 31 | | | <i>Metaplastes ornatus</i> | ● | |
| 32 | | | <i>Poecilimon jonicus</i> | ● | ● |
| 33 | | | <i>Polysarcus denticauda</i> | ● | |
| 34 | | | <i>Tylopsis lilifolia</i> | ● | ● |
| 35 | | | <i>Decticus albifrons</i> | ● | ● |
| 36 | | | <i>Decticus verrucivorus</i> | ● | ● |
| 37 | | | <i>Eupholidoptera schmidtii</i> | ● | ● |
| 38 | | | <i>Meconema thalassinum</i> | ● | |
| 39 | | | <i>Pholidoptera femorata</i> | ● | ● |
| 40 | Ensifera | Tettigoniidae | <i>Platycleis affinis</i> | ● | ● |
| 41 | | | <i>Platycleis albopunctata</i> | ● | ● |
| 42 | | | <i>Platycleis intermedia</i> | ● | ● |
| 43 | | | <i>Psorodonotus macedonicus</i> | ● | |
| 44 | | | <i>Rhacocleis germanica</i> | ● | ● |
| 45 | | | <i>Saga hellenica</i> * | | ● |
| 46 | | | <i>Sepiana sepium</i> | ● | ● |
| 47 | | | <i>Tessellana orina</i> | ● | ● |
| 48 | | | <i>Tettigonia caudata</i> | ● | |
| 49 | | | <i>Tettigonia viridissima</i> | ● | ● |
| 50 | | | <i>Vichetia oblongicollis</i> * | | ● |

1. Willemse, L.; Kleukers, R.; Odé, B. *The grasshoppers of Greece*; EIS Kenniscentrum Insecten en andere ongewervelden: **2018**.



Figure S1. Photos of the five main habitats that were sampled in Mt Mitsikeli: (a) Mediterranean scrubs, (b) Mixed thermophilus forests, (c) Beech – fir forests, (d) Agricultural land, (e) Mountain grasslands.