How similar is the saproxylic beetle fauna on old oaks (*Quercus* spp) in Turkey and Sweden?

Nicklas Jansson & Mustafa Coskun  
IFM Division of Ecology, Linköping University, Sweden  
Department of Biology, Cukurova University, Turkey

**Introduction**  
Old oaks are exceptionally species-rich in Europe, but the habitat in most countries has declined substantially. The beetle fauna associated with old oaks in Turkey is virtually unknown. The aim of this study was to compare the saproxylic beetle fauna on Turkish oaks with Swedish conditions.

**Methods:** 2 sites with old pollarded oaks in Turkey and 2 sites with old oaks in Sweden. Window- and pit-fall traps were used to collect the beetle material during one season (10+10 traps/site).

**Result 1:** The overlap among the saproxylic beetle species at the sites in Turkey and Sweden was small. Only 15 of the 165 species found (9%) was shared between the countries.

**Result 2:** The number of saproxylic beetle species was higher at the Turkish sites in comparison with the Swedish. This was most obvious for the families Elateridae, Cleridae, Anobiidae and Tenebrionidae.

**Conclusions**  
- The old oaks at the Turkish sites were more species rich than the Swedish.  
- Only 9% of the saproxylic beetle species found was shared between the countries.  
- Many of the species found at Turkish sites were very rare and threatened in other parts of Europe.

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**Correspondence**  
Nicklas Jansson (nicja@ifm.liu.se)  
Mustafa Coskun (mcoskun@cu.edu.tr)