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## Poster Session 2 – Conservation and Ecosystem Services

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### 94 Habitat preferences of small mammal species distributed in the eastern Black Sea region in Turkey

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Turkey has rich mammalian fauna due to geographic location and various environmental factors (climate, such as topography and vegetation). Over the last 100 years, more than 160 mammalian taxa have been identified in Turkey by both foreign and Turkish scientists. This work was carried out on the borders of Trabzon and Rize, covering İyidere and Solaklı Basins. Within the boundaries of the planned study area, it is fully revealed that terrestrial small mammal fauna and species are associated with habitats. The study was conducted between June and September 2012. Sherman traps were used to catch small mammal species. Specimens that cannot be identified are embalmed and moved to the laboratory. The standard 4 external dimensions (total length, tail length, hind and ear lengths) and weights (g) were measured according to Harrison and Bates (1991). Habitat types found in the study areas with an altitude of the basin under 1,000 m are: aquatic areas (streams, tea and rivers), agricultural areas (large-scale tea cultivation and little nuts and similar gardens), settlements, beech forests. Species sampled from these habitats are: Rodentia: *Apodemus flavicollis*, *Apodemus mystacinus*, *Apodemus uralensis*, *Apodemus sylvaticus*, *Rattus norvegicus*, *Myodes glareolus*, *Muscardinus avellanarius*), Soricomorpha: *Crocidura suaveolens*, *Sorex raddei*, *Talpa levantis* and Erinaceomorpha: *Erinaceus concolor*. The habitat types encountered over 1,000m are: step, mountain and alpine meadow, rocky, mixed forest ecosystems. The species found in these ecosystems are: Rodentia: *Apodemus flavicollis*, *Apodemus uralensis*, *Myodes glareolus*, *Microtus daghestanicus*, *Sciurus vulgaris*, *Chionomys roberti*, *Chionomys gud*, *Apodemus mystacinus*; Soricomorpha: *Crocidura suaveolens*, *Sorex raddei*, *Sorex volnuchini*, *Sorex satanini*, *Talpa levantis*; and Erinaceomorpha: *Erinaceus concolor*. In the study area, habitat types, EUNIS habitat classes were excluded and habitat preference of small mammal species was determined.

# 459

## Julius - Kühn - Archiv

Jens Jacob, Jana Eccard (Editors)

6<sup>th</sup> International Conference of Rodent  
Biology and Management  
and  
16<sup>th</sup> Rodens et Spatium

Potsdam, Germany, 3-7 September 2018

Book of Abstracts



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Bundesforschungsinstitut für Kulturpflanzen

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