

## **Diversity of Short-Horned Grasshoppers (Orthoptera: Caelifera) from Forested Region of Kolhapur District, Maharashtra, India of Northern Western Ghats**

**Authors :** Sunil M. Gaikwad, Yogesh J. Koli, Gopal A. Raut, Ganesh P. Bhawane

**Abstract :** The present investigation was directed to study the diversity of short-horned grasshoppers from a forested area of Kolhapur district, Maharashtra, India, which is spread along the hilly terrain of the Northern Western Ghats. The collection was made during 2013 to 2015, and identified with the help of a reference collection of ZSI, Kolkata, and recent literature and dry preserved. The study resulted in the enumeration of 40 species of short-horned grasshoppers belonging to four families of suborder: Caelifera. The family Acrididae was dominant (27 species) followed by Tetrigidae (eight species), Pyrgomorphidae (four species) and Chorotypidae (one species). The report of 40 species from the forest habitat of the study region highlights the significance of the Western Ghats. Ecologically, short-horned grasshoppers are integral to food chains, being consumed by a wide variety of animals. The observations of the present investigation may prove useful for conservation of the Diversity in Northern Western Ghats.

**Keywords :** diversity, Kolhapur, northern western Ghats, short-horned grasshoppers

**Conference Title :** ICE 2018 : International Conference on Entomology

**Conference Location :** Paris, France

**Conference Dates :** October 29-30, 2018