Insect Biodiversity in the Palearctic Region

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Abstract
This chapter contains sections titled:
- Geographic Position, Climate, and Zonality
- General Features of Insect Biodiversity
- Notes on Biodiversity of Some Insect Groups in the Palearctic
- Biodiversity of Insect Herbivores
- Boundaries and Insect Biodiversity
- Local Biodiversity
- Insect Biodiversity and Habitats

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The high biodiversity of insects in the Russian Far East results from the position of this region extending across several climatic zones. There are four levels of diversity both for the families and for the species, corresponding to the tundra, taiga, the transitional area between taiga and broadleaved forests, and the broadleaved forest zone. A Konstantinov, A.S., Korotyaev, B.A., and Volkovitsh, M.G., “Insect Biodiversity in the Palearctic Region,” in Insect Biodiversity. Science and Society, Ed. by R.G. Footit and P.H. Adler (Wiley-Blackwell, Oxford, 2009), pp. 107–162. CrossRefGoogle Scholar. The Palearctic Region is the best known biogeographical region in the world, with respect to its overall insect diversity. It is also the largest region, with the longest history of faunistic and biodiversity studies. This chapter concentrates on general features and patterns of the entire insect fauna of the Palearctic Region, providing examples of taxa that are better known to us, mostly Coleoptera, or the most typical of various biogeographical units. It tabulates biodiversity of major insect groups in the Palearctic Region. Insect diversity in the Palearctic is influenced by diverse climate.