BIOCLIMATE CONDITIONS DURING THE HEAT WAVES IN BULGARIA IN THE SUMMER SEASON 2007
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Abstract

The summer season 2007 is characterized as an extremely hot. Several heat waves have been registered in June, July and August. The maximum air temperatures during summer 2007 exceed the absolute maximum values registered the most of the meteorological stations in the country.

The human comfort conditions during the hot summer of 2007 are estimated using different complex indexes such as DI, PMV, PET and PT. The space and time distribution of the human comfort conditions over Bulgaria during heat waves in June and July are analyzed. In addition in the presented paper a synoptic analysis of the heat waves is performed.

The obtained results revealed the specific features of the climate of the country from the point of a view of the process of climate warming.