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Thesis Title	<i>Study of snowfalls in Attica</i>
Supervisor	H. Michalopoulou, Assistant Professor
Summary	<p>The aim of this study, is to analyze the phenomenon of snowfall in the area of Attica, which is of great interest, among other things, for the extensive problems it may cause with its appearance. As a first step, it is attempted to identify the factors which, according to the theory of atmospheric physics, contribute to the appearance of the phenomenon. It also examines the conditions to be met in order to achieve snowfall in Attica. In a second phase, collection and analysis of data concerning three major episodes of snowfall that affected the Attica region was attempted to investigate how the various mechanisms mentioned in the first part of the work functioned in each case. The 2000-2017 time period was studied and three major episodes of snowfall were selected. The first episode relates to the snowfall between 12 and 13 February 2004. The second incident concerns the snowfall between 16 and 18 February 2008 and the third episode concerns the snowfall between 9 and 10 January 2017. For each of them, the synoptic situation of the atmosphere on the surface and height, of the wider region of the Mediterranean and Europe is studied, both for the days when the phenomenon occurred and for the two previous and the next. Finally, a comparison of the results from the investigation of these three incidents with the results of relevant studies of other researchers is attempted, in order to carry out the final conclusions of this paper.</p>
Key words	Snowfall, cold surge, Attica, snow cover
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