

SARCĂU – LOCALITY WITH THERMAL WATER UNIQUE IN EUROPE**BAIAS Ștefan¹, MEȘTER Cosmin², GACEU Ovidiu-Răzvan³**Editor: Constantin MUNTEANU, E-mail: office@bioclima.ro

WEB OF SCIENCE



Balneo and PRM Research Journal

DOI: <http://dx.doi.org/10.12680/balneo.2021.452>

Vol.12, No.3 September 2021

p: L52

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Abstract

Introduction. Sarcău locality lies in the plain of Bihor County and it became a balneoclimatic locality in the last ten years when a private entrepreneur finding out that water leaking to the ground from abandoned drilling has therapeutic properties, he began to invest in a closed pool, an accommodation and food service establishment and a treatment facility.

Materials and Methods. In order to carry out this project, weather observation data from the weather stations located in Oradea and Săcuieni, dating back to 1961-2010, were processed based on the classical methodology of processing weather data for climatological purposes. Data regarding the chemical composition and physical characteristics of the water were not communicated to us by the staff of the treatment facility.

Results. Sarcău locality with balneoclimatic function benefits from a temperate continental climate with Western influences, an exciting-demanding plain bioclimate and thermal water unique in Europe due to its rich content in salt, iron, sulphur and petroleum. Without the benefit of an exceptional treatment facility, but with a water quality clearly superior to that of Băile Felix or Băile 1 Mai, where it is usually diluted with cold water from the network, and a balneologist at the treatment facility, Sarcău locality has become a place of interest for many tourists with rheumatic, musculoskeletal or post-traumatic conditions.

Conclusions. Sarcău, a locality with balneoclimatic function, benefits from a special balneoclimatic potential that makes it unique both among the resorts in Romania as well as abroad.

Key words: *Sarcău, balneoclimatic potential, salty thermal water, ferruginous water, sulphur water, water with petroleum*