



## STÂNA DE VALE – CLIMATIC, BIOCLIMATIC, BALNEOCLIMATIC AND TOURISM CLIMATE CHARACTERISTICS

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### Abstract

**Introduction.** Stâna de Vale is one of the most special resorts in Romania, whose potential is insufficiently known and exploited. Allergen-free clean air and pure microbiological spring water are just two of the bioclimatic characteristics that recommend it along with the intense ionization of the air with the predominance of negative ions, the tourist routes dotted with numerous waterfalls, the thick and persistent snow layer, etc.

**Materials and Methods.** The work was based on meteorological observation data from Stâna de Vale weather station from 1979-2020, data processed according to the classical methodology for climate studies (Erhan, 1999, Gaceu, 2002, etc.) in order to highlight the main climatic characteristics and with the help of the indices elaborated by Clausee Guenrouet, Hughes, Burnet, Besancenot etc. to highlight the bioclimatic and tourism climate potential.

**Results.** The study showed that the spa resort Stâna de Vale benefits from a depressive mountain climate characterized by a series of superlatives (the highest amount of precipitation in Romania, the longest duration and thickness of the snow layer in a spa resort, the highest frequency of atmospheric calm, the lowest wind speed), a tonic-stimulating bioclimate with a high degree of ionization of the air and a significant tourism climate potential, both in summer and in winter.

**Conclusions.** Stâna de Vale has a significant climatic, bioclimatic, balneoclimatic and tourism climate potential but extremely little capitalized and promoted, so that currently the tourist flow, tourist facilities, services, accommodation, public catering, treatment and cure doesn't even rise to the level of the 1930s! Restoring the access road on the Hell Valley through Remeți village from the European road 60 Oradea - Cluj Napoca will considerably increase accessibility, especially in winter, but it must be accompanied by removing the resort from the patronage of European Drinks, which monopolized and blocked tourism through exaggerated prices and through the abolition of treatment and cure activities.

**Key words:** *Stâna de Vale, balneoclimatic resort, climate, bioclimate, tourism climate potential*