

## Lista de lucrări

### a. Articole în reviste cotate ISI

#### 2024

Mărmureanu, L., et al. (including **B. Antonescu**), 2024: Evaluation of aerosol chemical speciation monitor response to different mixtures of organic and inorganic aerosols. *Aerosol Sci. Technol.*, **59**, 16–33.

Cristian, A., M. Zuzeac, G. Ciocan, G. Iorga, and **B. Antonescu**, 2024: A thunderstorm climatology of Romania (1941–2022). *Rom. Rep. Phys.*, **76**, 710.

#### 2023

**Antonescu, B.**, Ene, D., Boldeanu, M., Andrei, S., Mărmureanu, L. Marin, C. and Pîrloagă, R., 2023: Future changes in heatwaves characteristics in Romania. *Theor. Appl. Climatol.*, **153**, 525—538.

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#### 2022

Adam, M., Fragkos, K., Solomos, S., Belegante, L., Andrei, S., Talianu, C., Mărmureanu, L., **Antonescu, B.**, Ene, D., Nicolae, V., and Amiridis, V., 2022: Methodology for lidar monitoring of biomass burning smoke in connection with the land cover. *Remote Sens.*, **14**, 4734.

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## 2021

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Cheval, S., A. Haliuc, **B. Antonescu**, A. Tișcovschi, M. Dobre, F. Tătui, A. Dumitrescu, A. Manea, G. Tudorache, A. Irimescu, M.-V. Bîrsan, and C. Mock, 2021: Enriching the historical meteorological information using Romanian language newspaper reports: A database from 1880 to 1900. *Int J Climatol.*, **41** (Suppl. 1), E548–E562.

**Antonescu, B.**, L. Mărmureanu, J. Vasilescu, C.A. Marin, S. Andrei, M. Boldeanu, D. Ene, and A. Tilea, 2021: A 41-years bioclimatology of thermal stress in Europe. *Int. J. Climatol.*, **41**, 3934–3952.

## 2020

Schultz, D. M., H. Volkert, **B. Antonescu**, and H. C. Davies, 2020: Defender and Expositor of the Bergen Methods of Synoptic Analysis: Significance, History, and Translation of Bergeron's (1928) "Three-Dimensionally Combining Synoptic Analysis", *Bull. Amer. Meteor. Soc.*, **101**, E2078–E2094.

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Cheval, S., D. Micu, A. Dumitrescu, A. Irimescu, M. Frighenciu, C. Ioja, N.C. Tudose, S. Davidescu, **B. Antonescu**, 2020: Meteorological and ancillary data resources for climate research in urban areas. *Climate*, **8**, 37.

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## 2017

**Antonescu, B.**, D. M. Schultz, A. Holzer, and P. Groenemeijer, 2017: Tornadoes in Europe: An Underestimated Threat. *Bull. Amer. Meteor. Soc.*, **98**, 713–728.

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### b. Capitole în cărți

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### c. Carti

Antonescu, B., 2017: Tornadoes in Europe: Depictions from 1555 to 1910. Blurb, 100 pp. [<https://www.blurb.com/b/8219968-tornadoes-and-waterspouts>, self published]