

b) FIȘA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE DE ABILITARE

Criteriul 1: Articole științifice

1.1 5 articole ca autor principal în reviste cu factor de impact în baza de date Web of Science, cu AIS cumulată $\geq 3,5$;

1. **Holobâcă, I.H.**, Pop, O.T., Petrea, D.P. (2016). Dendroclimatic reconstruction of late summer temperatures from upper treeline sites in Greater Caucasus. *Quaternary International*, **54**, 67-73. – *prim autor*
AIS 2016 = 0.674
2. **Holobâcă, I.H.** (2013). Glacier Mapper – a new method designed to assess change in mountain glaciers. *International Journal of Remote Sensing*, **34**(23), 8475-8490. – *prim autor*
AIS 2013 = 0,471
3. **Holobâcă, I.H.** (2016). Recent retreat of the Elbrus glacier system. *Journal of Glaciology*, **62**(231), 94-102. doi:10.1017/jog.2016.15. (Q1) – *prim autor*
AIS 2016 = 1.436
4. **Holobâcă IH**, Ivan K and Alexe M (2019) Extracting built-up areas from Sentinel-1 imagery using land-cover classification and texture analysis. *International Journal of Remote Sensing* **40**, 8054–8069. - *prim autor*
AIS 2019 = 0,568
5. Holobâcă, I., Tielidze, L., Ivan, K., Elizbarashvili, M., Alexe, M., Germain, D., . . . Gaprindashvili, G. (2021). Multi-sensor remote sensing to map glacier debris cover in the Greater Caucasus, Georgia. *Journal of Glaciology*, **67**(264), 685-696. doi:10.1017/jog.2021.47 - *prim autor*
AIS 2020 = 1,271

Total AIS 1-5 = 4,690

1.2 articole în reviste BDI

1. Temerdeke-Ivan, K; Benedek, J; Török, I; Holobâca, IH; Alexe, MDetermination of Land Degradation in Romania at a Local Scale Using Advanced Analytical TechniquesLAND DEGRADATION & DEVELOPMENT2025361614162710.1002/ldr.5450WOS:001385095700001
2. Feurer, D; Riffe, T; Kniffka, MS; Acosta, E; Armstrong, B; Mistry, M; Lowe, R; Roye, D; Hashizume, M; Madaniyazi, L; Ng, CFS; Tobias, A; Iñiguez, C; Vicedo-Cabrera, AM; Ragettli, MS; Lavigne, E; Correa, PM; Ortega, NV; Kysely, J; Urban, A; Orru, H; Indermitte, E; Maasikmets, M; Dallavalle, M; Schneider, A; Honda, Y; Alahmad, B;

- Zanobetti, A; Schwartz, J; Carrasco, G; Holobaca, IH; Kim, H; Lee, WH; Bell, ML; Scovronick, N; Acquaootta, F; Coélho, MDZS; Diaz, MH; Arellano, EEF; Michelozzi, P; Stafoggia, M; de'Donato, F; Rao, S; Di Ruscio, F; Seposo, X; Guo, YM; Tong, SL; Masselot, P; Gasparrini, A; Sera, F Meteorological factors, population immunity, and COVID-19 incidence: A global multi-city analysis ENVIRONMENTAL EPIDEMIOLOGY 2024 810.1097/EE9.000000000000338 WOS:001351735700001
3. He, C; Breitner-Busch, S; Huber, V; Chen, K; Zhang, SQ; Gasparrini, A; Bell, M; Kan, HD; Royé, D; Armstrong, B; Schwartz, J; Sera, F; Vicedo-Cabrera, AM; Honda, Y; Jaakkola, JJK; Ryti, N; Kysely, J; Guo, YM; Tong, SL; de'Donato, F; Michelozzi, P; Coelho, MDZS; Saldiva, PHN; Lavigne, E; Orru, H; Indermitte, E; Pascal, M; Goodman, P; Zeka, A; Kim, Y; Diaz, MH; Arellano, EEF; Overcenco, A; Klompmaker, J; Rao, SL; Palomares, ADL; Carrasco, G; Seposo, X; Silva, SDPD; Madureira, J; Holobaca, IH; Scovronick, N; Acquaootta, F; Kim, H; Lee, W; Hashizume, M; Tobias, A; Iñiguez, C; Forsberg, B; Ragettli, MS; Guo, YL; Pan, SC; Osorio, S; Li, SS; Zanobetti, A; Dang, TN; Dung, DV; Schneider, A Rainfall events and daily mortality across 645 global locations: two stage time series analysis BMJ-BRITISH MEDICAL JOURNAL 2024 38710.1136/bmj-2024-080944 WOS:001343296400008
 4. Tielidze, LG; Iacob, G; Holobaca, IH Mapping of Supra-Glacial Debris Cover in the Greater Caucasus: A Semi-Automated Multi-Sensor Approach GEOSCIENCES 2024 1410.3390/geosciences14070178 WOS:001278703500001
 5. Wen, B; Wu, Y; Guo, YM; Gasparrini, A; Tong, SL; Overcenco, A; Urban, AS; Schneider, A; Entezari, A; Vicedo-Cabrera, AM; Zanobetti, A; Analitis, A; Zeka, A; Tobias, A; Nunes, B; Alahmad, B; Armstrong, B; Forsberg, B; Pan, SC; Iniguez, C; Ameling, C; Valencia, CDLC; Astrom, C; Houthuijs, D; Van Dung, D; Roye, D; Indermitte, E; Lavigne, E; Mayvaneh, F; Acquaootta, F; De'Donato, F; Rao, S; Sera, F; Carrasco-Escobar, G; Kan, H; Orru, H; Kim, H; Holobaca, IH; Kysely, J; Madureira, J; Schwartz, J; Jaakkola, JJK; Katsouyanni, K; Diaz, MH; Ragettli, MS; Hashizume, M; Pascal, M; Coelho, MDZS; Ortega, NV; Ryti, N; Scovronick, N; Michelozzi, P; Correa, PM; Goodman, P; Saldiva, PHN; Raz, R; Abrutzky, R; Osorio, S; Dang, TN; Colistro, V; Huber, V; Lee, W; Seposo, X; Honda, Y; Kim, Y; Guo, YL; Bell, ML; Li, SS Comparison for the effects of different components of temperature variability on mortality: A multi-country time-series study ENVIRONMENT INTERNATIONAL 2024 18710.1016/j.envint.2024.108712 WOS:001261400500001
 6. Stafoggia, M; Michelozzi, P; Schneider, A; Armstrong, B; Scortichini, M; Rai, M; Achilleos, S; Alahmad, B; Analitis, A; Åström, C; Bell, ML; Calleja, N; Carlsen, HK; Carrasco, G; Cauchi, JP; Coelho, MDSZS; Correa, PM; Diaz, MH; Entezari, A; Forsberg, B; Garland, RM; Guo, YL; Guo, YM; Hashizume, M; Holobaca, IH; Iñiguez, C; Jaakkola, JJK; Kan, HD; Katsouyanni, K; Kim, H; Kysely, J; Lavigne, E; Lee, W; Li, SS; Maasikmets, M; Madureira, J; Mayvaneh, F; Ng, CFS; Nunes, B; Orru, H; Ortega, N; Osorio, S; Palomares, ADL; Pan, SC; Pascal, M; Ragettli, MS; Rao, S; Raz, R; Roye, D; Ryti, N; Saldiva, PHN; Samoli, E; Schwartz, J; Scovronick, N; Sera, F; Tobias, A; Tong, SL; Valencia, CDLC; Vicedo-Cabrera, AM; Urban, A; Gasparrini, A; Breitner, S; de Donato, F Joint effect of heat and air pollution on mortality in 620 cities of 36 countries ENVIRONMENT INTERNATIONAL 2023 18110.1016/j.envint.2023.108258 WOS:001098772800001

7. Liu, C; Chen, RJ; Sera, F; Vicedo-Cabrera, AM; Guo, YM; Tong, SL; Lavigne, E; Correa, PM; Ortega, NV; Achilleos, S; Roye, D; Jaakkola, JJK; Rytı, N; Pascal, M; Schneider, A; Breitner, S; Entezari, A; Mayvaneh, F; Raz, R; Honda, Y; Hashizume, M; Ng, CFS; Gaio, V; Madureira, J; Holobaca, IH; Tobias, A; Iniguez, C; Guo, YL; Pan, SC; Masselot, P; Bell, ML; Zanobetti, A; Schwartz, J; Gasparrini, A; Kan, HDInteractive effects of ambient fine particulate matter and ozone on daily mortality in 372 cities: two stage time series analysisBMJ-BRITISH MEDICAL JOURNAL202338310.1136/bmj-2023-075203WOS:001102353800001
8. Decaulne, A; Rachita, IG; Kholiavchuk, D; Pop, O; Holobaca, IH; Ridush, O; Ridush, B; Horvath, CPatterns of snow avalanche activity during the last century in Chornohora Range (Eastern Carpathians, Ukraine): Tree-ring reconstruction coupled with synoptic conditions analysisCATENA202323310.1016/j.catena.2023.107523WOS:001083924300001
9. Masselot, P; Mistry, M; Vanoli, J; Schneider, R; lungman, T; Garcia-Leon, D; Ciscar, JC; Feyen, L; Orru, H; Urban, A; Breitner, S; Huber, V; Schneider, A; Samoli, E; Stafoggia, M; de Donato, F; Rao, SL; Armstrong, B; Nieuwenhuijsen, M; Vicedo-Cabrera, AM; Gasparrini, A; Achilleos, S; Kysely, J; Indermitte, E; Jaakkola, JJK; Rytı, N; Pascal, M; Analitis, A; Katsouyanni, K; Goodman, P; Zeka, A; Michelozzi, P; Houthuijs, D; Ameling, C; da Silva, SDP; Madureira, J; Holobaca, IH; Tobias, A; Iniguez, C; Forsberg, B; Ragettli, MS; Zafeiratou, S; Fernandez, LV; Monteiro, A; Rai, M; Zhang, SQ; Aunan, KExcess mortality attributed to heat and cold: a health impact assessment study in 854 cities in EuropeLANCET PLANETARY HEALTH20237E271E28110.1016/S2542-5196(23)00023-2WOS:000996530600001
10. Holobâca, IH; Benedek, J; Ursu, CD; Alexe, M; TemerdeK-Ivan, KRatio of Land Consumption Rate to Population Growth Rate in the Major Metropolitan Areas of RomaniaREMOTE SENSING20221410.3390/rs14236016WOS:000896252400001
11. Liu, C; Cai, J; Chen, RJ; Sera, F; Guo, YM; Tong, SL; Li, SS; Lavigne, E; Correa, PM; Ortega, NV; Orru, H; Maasikmets, M; Jaakkola, JJK; Rytı, N; Breitner, S; Schneider, A; Katsouyanni, K; Samoli, E; Hashizume, M; Honda, Y; Ng, CFS; Diaz, MH; Valencia, CDC; Rao, S; Palomares, ADL; da Silva, SP; Madureira, J; Holobâc, IH; Fratianni, S; Scovronick, N; Garland, RM; Tobias, A; Iñiguez, C; Forsberg, B; Åström, C; Vicedo-Cabrera, AM; Ragettli, MS; Guo, YLL; Pan, SC; Milojevic, A; Bell, ML; Zanobetti, A; Schwartz, J; Gasparrini, A; Kan, HDCoarse Particulate Air Pollution and Daily Mortality A Global Study in 205 CitiesAMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE2022206999100710.1164/rccm.202111-2657OCWOS:000871243100012
12. Gavrilă, IG; Kholiavchuk, D; Holobâca, IH; Ridush, O; Horváth, C; Ridush, B; Mesesan, F; Pop, OTTree-ring records of snow-avalanche activity in the Rodna Mountains (Eastern Carpathians, Romania)NATURAL HAZARDS20221142041205710.1007/s11069-022-05458-wWOS:000865908800001
13. Nottmeyer, L; Armstrong, B; Lowe, R; Abbott, S; Meakin, S; O'Reilly, KM; von Borries, R; Schneider, R; Roye, D; Hashizume, M; Pascal, M; Tobias, A; Vicedo-Cabrera, AM; Lavigne, E; Correa, PM; Ortega, NV; Kyncl, J; Urban, A; Orru, H; Rytı,

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The association of COVID-19 incidence with temperature, humidity, and UV radiation - A global multi-city analysis
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15. Wu, Y; Li, SS; Zhao, Q; Wen, B; Gasparrini, A; Tong, SL; Overcenco, A; Urban, A; Schneider, A; Entezari, A; Vicedo-Cabrera, AM; Zanobetti, A; Analitis, A; Zeka, A; Tobias, A; Nunes, B; Alahmad, B; Armstrong, B; Forsberg, B; Pan, SC; Iñiguez, C; Ameling, C; Valencia, CD; Åström, C; Houthuijs, D; Dung, DV; Royé, D; Indermitte, E; Lavigne, E; Mayvaneh, F; Acquavota, F; De'Donato, F; Rao, S; Sera, F; Carrasco-Escobar, G; Kan, HD; Orru, H; Kim, H; Holobaca, IH; Kysely, J; Madureira, J; Schwartz, J; Jaakkola, JJK; Katsouyanni, K; Diaz, MH; Ragettli, MS; Hashizume, M; Pascal, M; Cólho, MDZS; Ortega, NV; Rytí, N; Scovronick, N; Michelozzi, P; Correa, PM; Goodman, P; Saldiva, PHN; Abrutzky, R; Osorio, S; Dang, TN; Colistro, V; Huber, V; Lee, W; Seposo, X; Honda, Y; Guo, YL; Bell, ML; Guo, YM
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16. Wu, Y; Wen, B; Li, SS; Gasparrini, A; Tong, SL; Overcenco, A; Urban, A; Schneider, A; Entezari, A; Vicedo-Cabrera, AM; Zanobetti, A; Analitis, A; Zeka, A; Tobias, A; Alahmad, B; Armstrong, B; Forsberg, B; Iñiguez, C; Ameling, C; Valencia, CD; Åström, C; Houthuijs, D; Dung, DV; Royé, D; Indermitte, E; Lavigne, E; Mayvaneh, F; Acquavota, F; De'Donato, F; Sera, F; Carrasco-Escobar, G; Kan, HD; Orru, H; Kim, H; Holobaca, IH; Kysely, J; Madureira, J; Schwartz, J; Katsouyanni, K; Hurtado-Diaz, M; Ragettli, MS; Hashizume, M; Pascal, M; Coélho, MDZS; Scovronick, N; Michelozzi, P; Goodman, P; Saldiva, PHN; Abrutzky, R; Osorio, S; Dang, TN; Colistro, V; Huber, V; Lee, W; Seposo, X; Honda, Y; Bell, ML; Guo, YM
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17. Tobías, A; Hashizume, M; Honda, Y; Sera, F; Ng, CFS; Kim, Y; Roye, D; Chung, Y; Dang, TN; Kim, H; Lee, W; Iñiguez, C; Vicedo-Cabrera, A; Abrutzky, R; Guo, YM; Tong, SL; Coelho, MDZS; Saldiva, PHN; Lavigne, E; Correa, PM; Ortega, NV; Kan, HD; Osorio, S; Kysely, J; Urban, A; Orru, H; Indermitte, E; Jaakkola, JJK; Rytí, NR; Pascal, M; Huber, V; Schneider, A; Katsouyanni, K; Analitis, A; Entezari, A; Mayvaneh, F; Goodman, P; Zeka, A; Michelozzi, P; de'Donato, F; Alahmad, B; Diaz, MH; Valencia, CD; Overcenco, A; Houthuijs, D; Ameling, C; Rao, S; Di Ruscio, F; Carrasco, G; Seposo, X; Nunes, B; Madureira, J; Holobaca, IH; Scovronick, N; Acquavota, F; Forsberg, B; Åström, C; Ragettli, MS; Guo, YLL; Chen, BY; Li, SS; Colistro, V; Zanobetti, A; Schwartz, J; Dung, DV; Armstrong, B; Gasparrini,

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 20. Zhao, Q; Guo, YM; Ye, TT; Gasparrini, A; Tong, SL; Overcenco, A; Urban, A; Schneider, A; Entezari, A; Vicedo-Cabrera, AM; Zanobetti, A; Analitis, A; Zeka, A; Tobias, A; Nunes, B; Alahmad, B; Armstrong, B; Forsberg, B; Pan, SC; Iñiguez, C; Ameling, C; Valencia, CD; Åström, C; Houthuijs, D; Dung, DV; Royé, D; Indermitte, E; Lavigne, E; Mayvaneh, F; Acquaotta, F; de'Donato, F; Di Ruscio, F; Sera, F; Carrasco-Escobar, G; Kan, HD; Orru, H; Kim, H; Holobaca, IH; Kysely, J; Madureira, J; Schwartz, J; Jaakkola, JJK; Katsouyanni, K; Diaz, MH; Ragettli, MS; Hashizume, M; Pascal, M; Coélho, MDZS; Ortega, NV; Ryti, N; Scovronick, N; Michelozzi, P; Correa, PM; Goodman, P; Saldiva, PHN; Abrutzky, R; Osorio, S; Rao, S; Fratianni, S; Dang, TN; Colistro, V; Huber, V; Lee, WH; Seposo, X; Honda, Y; Guo, YL; Bell, ML; Li, SS Global, regional, and national burden of mortality associated with non-optimal ambient temperatures from 2000 to 2019: a three-stage modelling study LANCET PLANETARY HEALTH 2021;5E415E425 WOS:000675402600007
 21. Vicedo-Cabrera, AM; Scovronick, N; Sera, F; Royé, D; Schneider, R; Tobias, A; Astrom, C; Guo, Y; Honda, Y; Hondula, DM; Abrutzky, R; Tong, S; Coelho, MDZS; Saldiva, PHN; Lavigne, E; Correa, PM; Ortega, NV; Kan, H; Osorio, S; Kysely, J; Urban, A; Orru, H; Indermitte, E; Jaakkola, JJK; Ryti, N; Pascal, M; Schneider, A; Katsouyanni, K; Samoli, E; Mayvaneh, F; Entezari, A; Goodman, P; Zeka, A; Michelozzi, P; de'Donato, F; Hashizume, M; Alahmad, B; Diaz, MH; Valencia, CD; Overcenco, A; Houthuijs, D; Ameling, C; Rao, S; Di Ruscio, F; Carrasco-Escobar, G; Seposo, X; Silva, S; Madureira, J; Holobaca, IH; Fratianni, S; Acquaotta, F; Kim, H; Lee, W; Iniguez, C; Forsberg, B; Ragettli, MS; Guo, YLL; Chen, BY; Li, S; Armstrong, B; Aleman, A; Zanobetti, A; Schwartz, J; Dang, TN; Dung, DV; Gillett, N; Haines, A; Mengel, M; Huber, V; Gasparrini, A The burden of heat-related mortality

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22. Chen, K; Breitner, S; Wolf, K; Stafoggia, M; Sera, F; Vicedo-Cabrera, AM; Guo, YM; Tong, SL; Lavigne, E; Matus, P; Valdés, N; Kan, HD; Jaakkola, JJK; Ryti, NRI; Huber, V; Scortichini, M; Hashizume, M; Honda, Y; Nunes, B; Madureira, J; Holobâca, IH; Fratianni, S; Kim, H; Lee, W; Tobias, A; Iñiguez, C; Forsberg, B; Åström, C; Ragettli, MS; Guo, YLL; Chen, BY; Li, SS; Milojevic, A; Zanobetti, A; Schwartz, J; Bell, ML; Gasparrini, A; Schneider, A Ambient carbon monoxide and daily mortality: a global time-series study in 337 cities LANCET PLANETARY HEALTH 20215E191E199 WOS:000638265100006
23. Meng, X; Liu, C; Chen, RJ; Sera, F; Vicedo-Cabrera, AM; Milojevic, A; Guo, YM; Tong, SL; Coelho, MDZS; Saldiva, PHN; Lavigne, E; Correa, PM; Ortega, NV; Garcia, SO; Kysely, J; Urban, A; Orru, H; Maasikmets, M; Jaakkola, JJK; Ryti, N; Huber, V; Schneider, A; Katsouyanni, K; Analitis, A; Hashizume, M; Honda, Y; Ng, CFS; Nunes, B; Teixeira, JP; Holobaca, IH; Fratianni, S; Kim, H; Tobias, A; Iñiguez, C; Forsberg, B; Åström, C; Ragettli, MS; Guo, YLL; Pan, SC; Li, SS; Bell, ML; Zanobetti, A; Schwartz, J; Wu, TC; Gasparrini, A; Kan, HD Short term associations of ambient nitrogen dioxide with daily total, cardiovascular, and respiratory mortality: multilocation analysis in 398 cities BMJ-BRITISH MEDICAL JOURNAL 202137210.1136/bmj.n534 WOS:000637833700009
24. Benedek, J; Ivan, K; Török, I; Temerde, A; Holobâca, IH Indicator-based assessment of local and regional progress toward the Sustainable Development Goals (SDGs): An integrated approach from Romania SUSTAINABLE DEVELOPMENT 20212986087510.1002/sd.2180 WOS:000625321300001
25. Ivan, K; Holobâca, IH; Benedek, J; Török, I VIIRS Nighttime Light Data for Income Estimation at Local Level REMOTE SENSING 20201210.3390/rs12182950 WOS:000583339300001
26. Yu, J; Yang, D; Kim, Y; Hashizume, M; Gasparrini, A; Armstrong, B; Honda, Y; Tobias, A; Sera, F; Vicedo-Cabrera, AM; Kim, H; Iñiguez, C; Lavigne, E; Ragettli, MS; Scovronick, N; Acquotta, F; Chen, B; Guo, YL; Coelho, MDZS; Saldiva, P; Zanobetti, A; Schwartz, J; Bell, ML; Diaz, M; Valencia, CD; Holobâca, I; Fratianni, S; Chung, Y Seasonality of suicide: a multi-country multi-community observational study EPIDEMIOLOGY AND PSYCHIATRIC SCIENCES 20202910.1017/S2045796020000748 WOS:000561970700001
27. Ivan, K; Holobâca, IH; Benedek, J; Török, I Potential of Night-Time Lights to Measure Regional Inequality REMOTE SENSING 20201210.3390/rs12010033 WOS:000515391700033
28. Holobâca, IH; Ivan, K; Alexe, M Extracting built-up areas from Sentinel-1 imagery using land-cover classification and texture analysis INTERNATIONAL JOURNAL OF REMOTE SENSING 2019408054806910.1080/01431161.2019.1608391 WOS:000470485100001
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Profesor/CS I/Abilitare Indicele Hirsch > = 4

Indicele Hirsch în Web of Science = **19**

Criteriul 3: Capacitatea de susținere a activităților de cercetare

Profesor/Abilitare/CS I: A.: Director/Lider de proiect/grant în 2 proiecte/granturi naționale

sau responsabil de proiect/grant în 3 proiecte/granturi de cercetare naționale sau B.:

Director/Lider la 1 proiect/grant internațional sau responsabil de proiect/grant în 2 proiecte/granturi de cercetare internaționale.

Director/Lider la 1 proiect/grant internațional:

AUF 08 : Impact du changement climatique sur les glaciers et les risques associés dans le Caucase (IMPCLIM)

Lider proiect: Universitatea Babeș-Bolyai

Parteneri străini: L'Université du Québec à Montréal, Canada și Universitate de Stat „I. Javahișvili” din Tbilisi, Georgia

Finanțare:

Institul de Fizică Atomică și Ministerul Învățământului: 73.409,00 RON

L'Agence Universitaire de la Francophonie: 19 000 EURO

Total echivalent lei* = 166.989,700

Suma în Euro a fost transformată la cursul din 17 mai 2022

Total C1.1 + C1.2 + C2 + C3 = **4,690 + 55 + 19 + 1 = 79,69**

Suma punctaj minimal : **3,5+3+4+2=12,5**

Raport realizat/minimal : **6,37**.

28.04.2025

Prof. dr. Iulian-Horia HOLOBĂCĂ