Tematica pentru concursul de admitere la doctorat

Conducător de doctorat Prof. univ. dr. Iulian-Horia HOLOBÂCĂ

Tema 1: Impactul schimbărilor climatice asupra ghețarilor montani

1. Adler, C., P. Wester, I. Bhatt, C. Huggel, G.E. Insarov, M.D. Morecroft, V. Muccione, and A. Prakash, 2022: Cross-Chapter Paper 5: Mountains. In: Climate Change 2022: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [H.-O. Pörtner, D.C. Roberts, M. Tignor, E.S. Poloczanska, K. Mintenbeck, A. Alegría, M. Craig, S. Langsdorf, S. Löschke, V. Möller, A. Okem, B. Rama (eds.)]. Cambridge University Press, Cambridge, UK and New York, NY, USA, pp. 2273–2318, doi:10.1017/9781009325844.022.

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.

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.

4. **Holobâcă, I.H**, 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*, 1-12. doi:10.1017/jog.2021.47.

Tema 2: Fenomene climatice de risc în contextul schimbărilor climatice

1. O'Neill, B., M. van Aalst, Z. Zaiton Ibrahim, L. Berrang Ford, S. Bhadwal, H. Buhaug, D. Diaz, K. Frieler, M. Garschagen, A. Magnan, G. Midgley, A. Mirzabaev, A. Thomas, and R. Warren, 2022: Key Risks Across Sectors and Regions. In: Climate Change 2022: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [H.-O. Pörtner, D.C. Roberts, M. Tignor, E.S. Poloczanska, K. Mintenbeck, A. Alegría, M. Craig, S. Langsdorf, S. Löschke, V. Möller, A. Okem, B. Rama (eds.)]. Cambridge University Press, Cambridge, UK and New York, NY, USA, pp. 2411–2538, doi:10.1017/9781009325844.025.

2. 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, de Sousa Zanotti Stagliorio Coelho M, Saldiva PHN, Lavigne E, Correa PM, Ortega NV, Kan H, Osorio S, Kyselý 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, De La Cruz Valencia C, Overcenco A, Houthuijs D, Ameling C, Rao S, Ruscio FD, 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 attributable to recent human-induced climate change. *Nature Climate Change*. 2021 Jun;11**(6):**492-500. doi: 10.1038/s41558-021-01058-x.

3. Croitoru, A.E., **Holobâcă, I.H**., Lazar, C., Moldovan, F.D., Imbroane A. (2012). Air temperature trend and the impact on winter wheat phenology in Romania. *Climatic Change*, **111**(2), 393-410. doi: 10.1007/s10584-011-0133-6.

Tema 3: Variabilitatea spațio-temporală a Insulei de Căldură Urbană

1. Oke, T., Mills, G., Christen, A., & Voogt, J. (2017). Urban Climates. Cambridge: Cambridge University Press. doi:10.1017/9781139016476

2. **HOLOBÂCĂ I.H**., ALEXE M. et TEMERDEK-IVAN K. (2022), Les premiers résultats de la surveillance de l'îlot de chaleur à Cluj-Napoca à l'aide du réseau automatique MICCRO (**M**onitorizarea **I**nsulei de **C**ăldura în **C**luj - **Ro**mania), 35ème colloque annuel de l'Association Internationale de Climatologie – AIC 2022, Meto France Toulouse, 50-55 pp.