

Project Leader

Scientific researcher Ph.D
Oana-Elena HAPCIUC
(CHELARIU)



Professional experience:

- 2022 – prezent: **Scientific researcher Ph.D**, The Institute of Interdisciplinary Research, Department of Exact Sciences and Natural Sciences
- 2021 – prezent: **Post-doctoral researcher**, The Vulnerability Of Underground Water Resources From Moldavian Plateau To Climate Changes (Chuwat), Project code PN-III-P1-1.1-TE-2019-0286

2021 – prezent: **Post-doctoral researcher**, Open source spatial data infrastructure for soil mapping and land management, PN-III-P2-2.1-PED-2019-5436

- 2019 – 2022: **PhD Research Assistant** Interdisciplinary Research Institute, Faculty of Geography and Geology, "Alexandru Ioan Cuza" University of Iași;
- 2014 – present: **Associate Teacher** at Faculty of Geography and Geology, "Alexandru Ioan Cuza" University of Iași, Romania;
- 2017 – 2020: **GIS specialist** in the project entitled "Elaborarea Planurilor de management pentru ariile protejate ROSPA0109 Acumulările Belcești, ROSCI0222 Sărăturile Jijia Inferioară, Prut, ROSPA0042 Eleșteele Jijiei și Miletinului și 2.553. Balta Teiva Vișina"

Studies:

- PhD in Geography, Faculty of Geography and Geology, "Alexandru Ioan Cuza" University of Iași, PhD thesis title: *Vulnerability analysis and flood risk management in the Sucevița catchment* (2013-2017);
- Masters Degree, Natural Risk and Territorial Planning Specialization – Geography Domain, Faculty of Geography and Geology, "Alexandru Ioan Cuza" University of Iași (2011-2013);
- Licence Diploma, Environmental science Specialization, Faculty of Geography and Geology, "Alexandru Ioan Cuza" University of Iași (2008-2011);

Competences:

GIS analysis on environment regarding flood risk assessment, water and groundwater quality assesment, land-use changes, territorial expansion, identification of areas vulnerable to floods, flood management.

Representative published articles:

1. Romanescu Gh., **Hapciuc O.E.**, Minea I., Iosub M. 2018, Flood vulnerability assessment in the mountain-plateau transition zone. Case study for Marginea village (Romania), Journal of Flood Risk Management, 11, pp. S502-S513, DOI: 10.1111/jfr3.12249, <https://onlinelibrary.wiley.com/doi/abs/10.1111/jfr3.12249>
2. Iosub M., Minea I., **Chelariu O.E.**, Ursu A. 2020, Assessment of flash flood susceptibility potential in Moldavian Plain (Romania), Journal of Flood Risk Management, Article Number: e12588, DOI:10.1111/jfr3.12588, <https://onlinelibrary.wiley.com/doi/full/10.1111/jfr3.12588>.

3. **Hapciuc O.E.**, Romanescu Gh., Minea I., Iosub M., Enea A., Sandu I. 2016, Flood susceptibility of the cultural heritage in the Sucevita catchment (Romania), International Journal of Conservation Science 7(2). http://ijcs.ro/public/IJCS-16-26_Hapciuc.pdf .
4. Minea I., Boicu D., **Chelariu O.E.** 2020, Detection of Groundwater levels trends using Innovative Trend Analysis Method in Temperate Climatic Conditions, Water, 12 (8) <https://www.mdpi.com/2073-4441/12/8/2129>.
5. Minea I., **Chelariu O.E.** 2020, Anomalies and trends of high river flow under temperate climatic conditions in the north-eastern Romania, Journal of Water and Climate Change, <https://doi.org/10.2166/wcc.2020.124>.