


<b>Project member</b>	Associate Professor PhD <b>IONUȚ MINEA</b>	
<b>Role in project</b>	Project Leader	

### Professional experience:

- Teaching and research activities between 2003 and 2020 as **Associate assistant** (2003-2006), **Assistant Professor** (2006-2011), **Lecturer** (2011-2016), **Associate Professor** (2016-present) in the Department of Geography, Faculty of Geography and Geology, "Alexandru Ioan Cuza" University of Iași, Romania.
- Teaching activities as **Geography Teacher** in "Dimitrie Cantemir" Highschool, Iași, Romania (2002-2003).

### Studies:

- PhD degree in Geography, Faculty of Geography and Geology, "Alexandru Ioan Cuza" University of Iași, with the thesis entitled: *Bahlui drainage basin – hydrological study* (2004-2009);
- Master degree in Soil Science, Faculty of Geography and Geology, "Alexandru Ioan Cuza" University of Iași (2002-2004);
- Licence degree in Geography, Faculty of Geography and Geology, Alexandru Ioan Cuza University of Iași (1998-2002).

### Competences:

Teaching academic courses in the field of Hydrology (Hydrology and Oceanography, Management of water resources, GIS in Hydrology). In situ and expeditionary hydrological and hydrogeological measurements, statistical analysis and mapping of hydrological data series. Elaboration of general and applied hydrological and hydrogeological studies as scientific reports or articles and books.

### Representative published books (A), chapter books (B) and articles (C):

- A1. **Minea I.**, Chelariu O.E., Iosub M., Boicu D. 2019. Hidrologia mediilor continentale. Aplicații practice 2.0, Edit. Transversal, Târgoviște, 165 pag. ISBN: 978-606-605-192-7.
- A2. Croitoru A.E., Piticar A., Sfică L., Harpa G.V., Roșca C.F., Tudose T., Horvath C, **Minea I.**, Ciupertea F.A., Scripcă A.B. 2018. Extreme temperature and precipitation events in Romania, Edit. Academiei Române, București, 342 pag. ISBN 978-973-27-2833-8.
- A3. **Minea I.**, 2012. Bazinul hidrografic Bahlui. Studiu hidrologic, Editura Universității „Al.I.Cuza” Iași, 334 pag., ISBN: 978-973-703-748-0;
- A4. **Minea I.**, Romanescu G. 2007. Hidrologia mediilor continentale. Aplicații practice, Casa Editorială Demiurg, Iași, 221 pag, ISBN: 973-7603-76-1;
- B1. Zelenakova M., Negm A.M., **Minea I.** 2020. Introduction to “Water Resources Management in Balkan Countries”. In: Negm A., Romanescu G., Zelenakova M. (eds) Water Resources Management in Balkan Countries. Springer Water. Springer, Cham, 3-19. [https://doi.org/10.1007/978-3-030-22468-4\\_1](https://doi.org/10.1007/978-3-030-22468-4_1).

- B2. **Minea I.**, Zelenakova M., Negm A.M. 2020. Update, Conclusions, and Recommendations for “Water Resources Management in Balkan Countries”. In: Negm A., Romanescu G., Zelenakova M. (eds) Water Resources Management in Balkan Countries. Springer Water. Springer, Cham, 457-469. [https://doi.org/10.1007/978-3-030-22468-4\\_17](https://doi.org/10.1007/978-3-030-22468-4_17)
- B3. Negm A.M., Zeleňáková M., **Minea I.** 2020. Introduction to “Water Resources Management in Romania”. In: Negm A., Romanescu G., Zeleňáková M. (eds) Water Resources Management in Romania. Springer Water. Springer, Cham, 3-13. [https://doi.org/10.1007/978-3-030-22320-5\\_1](https://doi.org/10.1007/978-3-030-22320-5_1).
- B4. **Minea I.** 2020. The Vulnerability of Water Resources from Eastern Romania to Anthropic Impact and Climate Change. In: Negm A., Romanescu G., Zeleňáková M. (eds) Water Resources Management in Romania. Springer Water. Springer, Cham, 229-250. [https://doi.org/10.1007/978-3-030-22320-5\\_7](https://doi.org/10.1007/978-3-030-22320-5_7).
- B5. Romanescu G., **Minea I.** 2020. Drought and Insolvency: Case Study of the Producer-Buyer Conflict (Romania, the Period Between the Years 2011–2012). In: Negm A., Romanescu G., Zeleňáková M. (eds) Water Resources Management in Romania. Springer Water. Springer, Cham, 489-515, [https://doi.org/10.1007/978-3-030-22320-5\\_15](https://doi.org/10.1007/978-3-030-22320-5_15)
- B6. **Minea I.**, Negm A.M., Zeleňáková M. 2020). Update, Conclusions, and Recommendations for “Water Resources Management in Romania”. In: Negm A., Romanescu G., Zeleňáková M. (eds) Water Resources Management in Romania. Springer Water. Springer, Cham, 579-591, [https://doi.org/10.1007/978-3-030-22320-5\\_17](https://doi.org/10.1007/978-3-030-22320-5_17).
- C1. Repel A., Jothiprakash V., Zelenáková M, Hlavata H., **Minea I.** 2020. Temporal Analysis of Daily and 10 Minutes of Rainfall of Poprad Station in Eastern Slovakia, *Hydrology* 2020, 7, 32; doi:10.3390/hydrology7020032.
- C2. **Minea I.**, Boicu D., Chelariu O.E. 2020. Detection of Groundwater Levels Trends Using Innovative Trend Analysis Method in Temperate Climatic Conditions, *Water*, 12, 2129; doi:10.3390/w12082129.
- C3. **Minea I.**, Chelariu O.E. 2020 Anomalies and trends of high river flow under temperate climatic conditions in north-eastern part of Romania, *Journal of water and climate change*, doi:10.2166/wcc.2020.124.
- C4. Rusu A., Ursu A., Stoleriu CC. Groza O., Niacsu L., Sfica L., **Minea I.**, Stoleriu O.M. 2020. Structural Changes in the Romanian Economy Reflected through Corine Land Cover Datasets, *Remote Sens.* 2020, 12(8), 1323; <https://doi.org/10.3390/rs12081323>.
- C5. **Minea I.**, 2017. Streamflow-Base Flow Ratio in a Lowland Area of North-Eastern Romania, ISSN 0097-8078, *Water Resources*, 2017, Vol. 44, No. 4, pp. 579–585. © Pleiades Publishing, Ltd., 2017.
- C6. **Minea I.**, Croitoru A.E., 2017. Groundwater response to changes in precipitations in north-eastern Romania, *Environmental Engineering and Management Journal*, Vol. 16, No. 3, 643-651 <http://omicron.ch.tuiasi.ro/EEMJ/>.
- C7. Croitoru Adina-Eliza, **Minea I.** 2015. The impact of climate changes on rivers discharge in Eastern Romania, *Theoretical and Applied Climatology*, Vol. 20, Issue 3-4: 563-573, DOI10.1007/s00704-014-1194-z, <http://link.springer.com/article/10.1007%2Fs00704-014-1194-z>.
- C8. **Minea I.**, Crăciun I. 2012. Simulation models to evaluate the groundwater resources in Bahlui river basin, Romania. *Journal of Environmental Protection and Ecology*, Balkan Environmental Association. 1600-1607, ISSN 1311-5065 <http://www.jepe-journal.info/journal-content/vol-13-no3-2012>);
- C9. **Minea I.**, Boicu D., Iosub M., Chelariu O.E., Enea A. 2020. Groundwater drought evolution in north-eastern part of Romania, *International Scientific Conference Geobalcanica 2020*, 55-60, doi.org/10.18509/GBP.2020.06;
- C10. Boicu D., **Minea I.**, Niacșu L. 2020. Landslides and groundwater dynamics. Case study in Moldavian Tableland (Romania), *International Scientific Conference Geobalcanica 2020*, 111-118, doi.org/10.18509/GBP.2020.14
- C11. Mihai FC., **Minea I.**, Grozavu., A., 2018. Assessment of waste dumping practices in mountain creeks. 18th International Multidisciplinary Scientific GeoConference on Ecology, Economics, Education and Legislation SGEM 2018, Conference Proceedings, vol.18, Issue 5.1 pp. 89-96.
- C12. **Minea I.**, Croitoru A.E. 2017. Evaluation of hydrological drought in small basins in North-eastern part of Romania, *International Multidisciplinary Scientific Geoconferences, SGEM 2017*, 29 June-5 July 2017 Bulgaria, 17th

GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Volume I, Hydrology and Water Resources, 269-276.

C13. **Minea I.**, Hapciuc O.E. Banuc G. Jora I. 2016. Trends and variations of the groundwater level in the north-eastern part of Romania, International Multidisciplinary Scientific Geoconferences, SGEM 2016, 30 June 6 July 2016 Bulgaria, 16th GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Volume I, Hydrogeology, Engineering Geology and Geotectonics 1053-1060.

C14. **Minea I.**, Andrei A., Niculita M., 2015. Interpolating phreatic level altitude around Madarjac village using geomorphometric variables as covariates, International Multidisciplinary Scientific Geoconferences, SGEM 2015, 18-24 June 2015 Bulgaria, 15th GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Volume I, Hydrology and Water Resources, 403-410, DOI: 10.5593/sgem2014B31.

C15. Iosub M., Iordache I., Enea A., Romanescu G., **Minea I.** 2015. Spatial and temporal analysis of dry/wet conditions in Ozana drainage basin, Romania using the standardized precipitation index, International Multidisciplinary Scientific Geoconferences, SGEM 2015, 18-24 June 2015 Bulgaria, 15th GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Vol. I, Hydrology and Water Resources, 585-592, DOI: 10.5593/sgem2014B31.

C16. **Minea I.**, Secu C.V., 2014. Hydrological modelling of water infiltration in urban soils. Case study of Iasi Municipality (Romania), International Multidisciplinary Scientific Geoconferences, 17-26 June 2014 Bulgaria, 14th GeoConference on Water resources, Forest, Marine and Ocean Ecosystems, Conference Proceedings, Volume I, Hydrology and Water Resources, 373-380, DOI: 10.5593/sgem2014B31;

C17. Boicu D., **Minea I.**, Rusu C. Jora I. 2020. *Hydrogeological Droughts Evaluation in North Eastern Part of Romania*. Aerul și apa componente ale mediului, Edit. Presa Universitară Clujeană, Cluj-Napoca, pag. 127-134. 10.24193/AWC2020\_12.

C18. Boicu D., **Minea I.**, Chelariu O.E., Iosub M., 2019. *Evaluation on groundwater recharges capacity using AHP method. Case study: The Moldavian Plain*, Aerul și apa componente ale mediului, Edit. Presa Universitară Clujeană, Cluj-Napoca, pag. 181-188.

Coordination as project leader of 2 scientific grants for PhD students (2006-2007 and 2008-2009).

Scholarship in University of Oslo (2007) and Postdoctoral Fellowship (2011-2012)

Member in 3 international projects and 13 national projects.