

PERSONAL INFORMATION

Horváth Csaba



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Sex male | Date of birth 15/08/1979 | Nationality Hungarian

STUDIES
COMPETENCIES

Hydrology (Limnology, Potamology, GIS models),
 Hydro-meteorological research methods
 Oceanology, Hydro-climatic resources
 GIS technics for risk management

WORK EXPERIENCE

- 2009-present **Ph.D. Lecturer**
 Faculty of Geography, Babes-Bolyai University
 Physical and Technical Geography Department
- 2008-2009 3rd grade **Scientific researcher**
 Romanian Academy, Cluj-Napoca Subsidiary Geography Section
- 2005-2007 **IT service worker**
 Silverline Computers

EDUCATION AND TRAINING

- 2004-2008 PhD in Geography / “Study of the Storage Lakes in the Upper Basin of the Crişul Repede River” Faculty of Geography, Babes-Bolyai University.
- 2003-2004 Masters Diploma / Geographical risk phenomena and associated extreme events
 Faculty of Geography, Babes-Bolyai University.
- 1999-2003 Geography degree / “Lake water turnova period – Case study: Lacul Rosu” Faculty of Geography, Babes-Bolyai University

PERSONAL SKILLS

Mother tongue(s) Hungarian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Romanian	C2	C2	C2	C2	C2
English	C1	C1	C1	C1	B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

- Communication skills**
- good communication skills gained through my experience as organiser of the yearly **"Air and Water components of the Environment Conference"** from 2009
- Job-related skills**
- Advance climatic and hydrologic data processing in variate environments (Linux & R)
 - Assessing hydrological risks due to floods and flash floods
 - Climate and hydrological data spatialization, graphical representation and GIS modelling
- Computer skills**
- good command of Microsoft Office™ tools: Presentation, Spreadsheet, Word Processing
 - Geographic Operating Systems (ESRI ArcGis, Global Mapper), OCAD, TerrSet
 - Operating Systems (Window 7 & 10), Ubuntu
- Other skills**
- Self-motivated with a strong work ethic for professionalism and timeliness.
- Driving licence**
- B

ADDITIONAL INFORMATION

Book

1. **Horvath Csaba**, *Studiul lacurilor de acumulare din bazinul superior al Crisului Repede*, CASA CARTII DE STIINTA , CLUJ-NAPOCA, 2008, P. 208. ISBN 978-973-133-419-6
2. Ștefan Bilașco **Horváth Csaba**, *Cartografierea digitală a benzilor de inundabilitate pe baza statisticii, a calculelor hidraulice și a analizei spațiale GIS*, CASA CARTII DE STIINTA , CLUJ-NAPOCA, 2016, P. 171, ISBN 978-606-17-0907-6
3. Coordonatori: Răzvan Băținaș, Duncan Halley. Autori [Mircea Alexe, Eivind Aronsen, Ștefana Banc, Sabin Bădărău, **Horvath C.** ...] ; *Servicii ale ecosistemelor din siturile Natura 2000 Pricop-Huta Certeze și Tisa Superioară*, RisoPrint, Cluj-Napoca
4. Croitoru, A.E., Piticar, A., Sfică, L., Harpa, G.V., Roșca, C.F., Tudose, T., **Horvath, C.**, Minea, I., Ciupertea, F.A., Scripcă, A.S., (2018), *Extreme temperature and precipitation events in Romania*, The Publishing House of the Romanian Academy, Bucharest.
5. Croitoru, A.E., **Horvath, C.**, Man, T.C. (2022). *Assessment of Climate Conditions and Changes Detected Over the Historical Period (1961–2013)*. In: Negm, A.M., Diaconu, D.C. (eds) *The Danube River Delta. Earth and Environmental Sciences Library*. Springer, Cham. https://doi.org/10.1007/978-3-031-03983-6_3

Publications

1. Bilasco Stefan, **Horvath Csaba**, Cocean Pompei, Sorocovschi Victor Emil, Oncu Marcel-Aurel, Implementation of the USLE model using GIS techniques. Case study the Someșan Plateau, Volum Nr: 4 nr. 2, Pagina: 123 - 132, An: 2009 Revistă WoS / ISI indexată în Science Citation Index Expanded (Thomson Reuters - Web of Science) : Carpathian Journal Of Earth And Environmental Sciences , ISSN: 1842-4090
2. Rosian Gheorghe, **Horvath Csaba**¹, Reti Kinga-Olga, Botan Cristian-Nicolae, Gavrilă Ionela - Georgiana, Assessing Landslide Vulnerability Using Bivariate Statistical Analysis And The Frequency Ratio Model. Case Study: Transylvanian Plain, Volum Nr: 60, Pagina: 359 - 371, An: 2016 Revistă WoS / ISI indexată în Science Citation Index Expanded (Thomson Reuters - Web of Science) : Zeitschrift Fur Geomorphologie, ISSN: 0372-8854
3. Hartel, Tibor; Hanspach, Jan; Moga, Cosmin I.; Holban, Lucian; Szapanyos, Arpad; Tamas, Reka; **Horvath, Csaba**; Reti, Kinga-Olga *Abundance of large old trees in wood-pastures of Transylvania (Romania)* Science Of The Total Environment Volume: 613 Pages: 263-270 DOI: 10.1016/j.scitotenv.2017.09.048 Published: FEB 1 2018 Accession Number: WOS:000414160500028
4. Harpa G-V, Croitoru A-E, Djurdjevic V, **Horvath C.** (2019) Future changes in five extreme precipitation indices in the lowlands of Romania. *Int J Climatol*. 2019;39:5720–5740. <https://doi.org/10.1002/joc.6183>
5. Nándor Erős, Cristian Valeriu Maloș, **Csaba Horváth**, Tibor Hartel, (2020) Temporary pond loss as a result of pasture abandonment: exploring the social-ecological drivers and consequences for amphibians, *Journal for Nature Conservation*, Volume 55, 2020, 125836, ISSN 1617-1381, <https://doi.org/10.1016/j.jnc.2020.125836> .
6. Bartok, B.; Telcian, A.-S.; Săcărea, C.; **Horvath, C.**; Croitoru, A.-E.; Stoian, V. Regional Climate Models Validation for Agroclimatology in Romania. *Atmosphere* 2021, 12, 978. <https://doi.org/10.3390/atmos12080978>
7. Sidău, M.R.; **Horváth, C.**¹; Cheveresan, M.; Șandric, I.; Stoica, F. Assessing Hydrological Impact of Forested Area Change: A Remote Sensing Case Study. *Atmosphere* 2021, 12,

817. <https://doi.org/10.3390/atmos12070817>
8. Sorin Vătcă; Valentina Stoian; Titus Man; **Csaba Horvath**; Roxana Vidican; Ștefania Gâdea; Anamaria Vătcă; Ancuța Rotaru; Rodica Vârban; Moldovan Cristina; Vlad Stoian. *Agrometeorological Requirements of Maize Crop Phenology for Sustainable Cropping—A Historical Review for Romania*. Sustainability 2021, 13, 7719
 9. **Horvath, C**, Croitoru, AE (2022) Analysis of precipitation extremes related to agriculture and water resources sectors based on gridded daily data in Romania THEORETICAL AND APPLIED CLIMATOLOGY DOI: 10.1007/s00704-022-04271-6
 10. Gavrilă, I.G., Kholiavchuk, D., Holobacă, I.H., Ridush, O., *Horváth, Csaba* (2022) Tree-ring records of snow-avalanche activity in the Rodna Mountains (Eastern Carpathians, Romania). *Nat Hazards* **114**, 2041–2057. <https://doi.org/10.1007/s11069-022-05458-w>

Memberships

Air and Water Association
Geographic Risks and Hazards Research Centre

Supplementary information's

Web page - www.hcsaba.ro

Google Scholar link

<https://scholar.google.ro/citations?user=gjmiGb4AAAAJ&hl=ro>

ORCID

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Web of Science / Publons

[Horvath, Csaba - Web of Science Core Collection](#)

<https://www.webofscience.com/wos/author/record/F-1880-2011>