

CURRICULUM VITAE



Assoc. Prof. RNDr. Jan Hradecky, Ph.D.
(University of Ostrava – OSU)

Born on April 2, 1974 in Česká Lípa

EDUCATION



- Bc./undegraduate: economic and regional geography – Faculty of Education of the University of West Bohemia in Pilsen (year of completion 1995),
- NMgr./ master's degree: physical geography and geoecology – Faculty of Science, University of Ostrava (year of completion 1998),
- Ph.D. - Faculty of Science, Masaryk University in Brno, Department of Geography (dissertation topic: Disturbance processes and their influence on landscape dynamics - Western Beskydy and Podbeskyd foothills; supervisor: doc. RNDr. Jaroslav Vašátko, CSc.) (year of completion 2005),
- RNDr. - Faculty of Science of the University of Ostrava in Ostrava (year of completion of the rigorous procedure 2005),
- habilitation - associate professor in the field of physical geography and geoecology - Faculty of Science of the Comenius University in Bratislava (habilitation procedure completed in June 2009, topic of the habilitation thesis: Palaeoenvironmental, geomorphological and geoecological significance of slope deformations in the flysch landscape);



EMPLOYMENT



- since 1998 employed at Dept. of Physical Geography and Geoecology, Faculty of Science, University of Ostrava since 2000 as an assistant professor and since 2009 as an associate professor at the Department of Physical Geography and Geoecology, Uni. Of Ostrava, 2011-2015 head of the department, since 2015 dean of Faculty of Science, guarantor the study program Environmental Geography (undergraduate, Bc.);

SCIENTIFIC FIELD



- geomorphology and geoecology with a focus on fluvial processes and palaeoenvironmental environmental changes, slope deformations, restoration and landscape management;

SCIENTOMETRY, EDITING, CONFERENCES, STAYS ABROAD



- WoS, October 2022: 49 articles; cited without self-citation: 564; Hindex: 20
- author or co-author of 49 articles with impact factor and author or co-author of approximately 45 other works, including chapters in monographs,
- co-editor of the monograph: Landscapes and Landforms of the Czech Republic (Springer, 2016); Open Channel Hydraulics, River Hydraulic Structures and Fluvial Geomorphology: For Engineers, Geomorphologists and Physical Geographers (CRC Press, Francis&Taylor, 2017),
- active participation in a number of world geomorphological conferences and congresses (Japan, China, Brazil, France, etc.), moderating sections,
- visited areas (including foreign internships, conferences, field research, geographical self-education): Russia, Ukraine (Crimea), Iran, Norway, Sweden, Chile, Argentina, Bolivia, Brazil, Indonesia, Japan, Denmark, Spain, Greece, Serbia, Montenegro, China, Kazakhstan, Portugal, France, Finland, South Korea and around the Czech Republic,



TEACHING



- guaranteeing and lectures in the Environmental Geography study program (B.Sc. + NMgr.): Basics of Environmental Geography, Fluvial Geomorphology, Physical Geography 3, Landscape Management 1, Landscape Management 2,
- guaranteeing and lectures in the doctoral program Environmental Geography: Fluvial Geosystems
- guaranteeing and lectures in the study program Economic Geography and Regional Development: Basics of Environmental Geography in Local Development 2
- guaranteeing and lectures of the common basis for the first years of PŘF OU: Introduction to natural sciences (also for combined and distance studies)
- supervisor of more than 90 successfully defended bachelor and diploma theses and 5 dissertation theses,

MEMBERSHIP IN COUNCILS AND SCIENTIFIC SOCIETIES



- chairman of the branch council (2011-2015), now a member and supervisor of the doctoral field of Environmental Geography (OSU)
- member of the PhD council of physical geography at the Faculty of Science, Charles University in Prague,
- chairman of the Scientific Council - Faculty of Science, OSU,
- member of the Scientific Council of OSU (2015 - until now),
- member of the Scientific Council of Jan Evangelista Purkyně University (2015 - 2019),
- member of the Supervisory Board of the Institute of Geonics of the Academy of Sciences of the Czech Republic, acting (2017 - 2022),
- member of the Scientific Council of Faculty of Education, University of West Bohemia (2020 - until now),
- member of the Scientific Council of the Faculty of Science of Palacký University (2022 - until now),
- vice-chairman of the Association of Deans of the Faculties of Science (from 2018 - until now),
- membership in professional societies: member of the Czech Association of Geomorphologists - chairman (2009-2013), vice-chairman (2013-present), National Scientific Member of the International Association of Geomorphologists (2009-2013), member of the Czech Geographical Society, member of the Czech Society for Landscape Ecology - Regional organization IALE of the Czech Republic,



- membership in editorial boards: member of the editorial board of the journal *Geoenvironmental Disasters* (Springer) (2013-2018), *Acta Universitatis Carolinae Geographica* (UK Prague), *Moravian Geographical Reports* (Ústav Geoniky, v.v.i.) (2012 - 2020), *Geomorfologia Slovaca et Bohemica* (ASG, GÚ SAS, ČAG), *Modérn Geografia* Institute of Geography at the University of Pécs),
- member of the expert panel at the PLA Poodří,
- member of the Scientific Council of the Ministry of the Environment of the Czech Republic (06/2022 - until now)
- member of the Council of the Nature and Landscape Protection Agency of the Czech Republic (09/2022 - until now),

SELECTED PUBLICATIONS



- ŠKARPICH, V., MACUROVÁ, T., GALIA, T., RUMAN, S., HRADECKÝ, J. (2020): Degradation of multi-thread gravel-bed rivers in medium-high mountain settings: quantitative analysis and possible solutions. *Ecological Engineering* 148, 105795.
- Pánek, T., Korup, O., Lenart, J., Hradecký, J., Břežný, M. (2018). Giant landslides in the foreland of the Patagonian Ice Sheet. *Quaternary Science Reviews* 194, 39-54.
- Kapustová, V., Pánek, T., Hradecký, J., Zernitskaya, V., Hutchinson, S. M., Mulková, M., Sedláček, J., Bajer, V. (2018). Peat bog and alluvial deposits reveal land degradation during 16th- and 17th-century colonisation of the Western Carpathians (Czech Republic). *Land Degradation & Development* 29, 894-906.
- PÁNEK, T., LENART, J., HRADECKÝ, J., HERCMAN, H., BRAUCHER, R., ŠILHÁN, K., ŠKARPICH, V. (2018): Coastal cliffs, rock-slope failures and Late Quaternary transgressions of the Black Sea along southern Crimea. *Quaternary Science Reviews* 181, pp. 76-92.
- HRADECKÝ, J., ŠKARPICH, V. (2018): Selected Principles of Fluvial Geomorphology. In: RADECKI-PAWLIK, A., HRADECKÝ, J., PAGLIARA, S., HENDRICKSON, (eds.): *Open Channel Hydraulics, River Hydraulics Structures and Fluvial Geomorphology: For Engineers, Geomorphologists and Physical Geographers*. CRC Press, Taylor & Francis Group. pp. 241-258.
- HRADECKÝ, J., DUŠEK, R., VELEŠÍK, M., CHUDANIČOVÁ, M., ŠKARPICH, V., JAROŠEK, R., LIPINA, J. (2016): Poodří - Landscape of Ponds and a Preserved Meander Belt of the Odra River. In PÁNEK, T., HRADECKÝ, J. (eds.): *Landscapes and Landforms of the Czech Republic*. Springer. pp. 333-346
- Hradecký, J. a Brázdil, R. (2016): Climate in the Past and Present in the Czech Lands in the Central European Context. In: Pánek, T., Hradecký, J. *Landscapes and Landforms of the Czech Republic*. Cham: Springer, pp. 19-28.



- Pánek, T., Korup, O., Minár, J., Hradecký, J. (2016): Giant landslides and highstands of the Caspian Sea. *Geology* 44, 939-942.
- ŠKARPICH, V., GALIA, T., HRADECKÝ, J. (2016): Channel bed adjustment to over bankfull discharge magnitudes of the flysch gravel-bed stream – case study from the channelized reach of Olše River (Czech Republic). *Zeitschrift für Geomorphologie* 60(4), pp. 327-341.
- GALIA, T., ŠKARPICH, V., PŘIBYLA, Z., HRADECKÝ, J. (2016): Effect of grade-control structures at various stages of their destruction on local channel parameters. *Geomorphology* 253, pp. 305-317.
- Přibyla, Z., Galia, T., Hradecký, J. (2016): Biogeomorphological effects of leaf accumulations in stepped-bed channels: An introductory study from the Moravskoslezské Beskydy Mountains, Czech Republic. *Moravian Geographical Reports* 24(3), 2-12.
- Miklín, J. & Hradecký, J. (2016): Změny struktury krajiny v oblasti soutoku Moravy a Dyje. *Geografie*, 121(3): 368–389.
- Miklín, J. & Hradecký, J. (2016): Confluence of the Morava and Dyje Rivers: a century of landscape changes in maps. *Journal of Maps*, 12(4): 630-638.
- GALIA, T., ŠKARPICH, V., HRADECKÝ, J. (2015): Connectivity of the coarsest fraction in headwater channels: imprints of fluvial processes and debris-flow activity. *Geografiska Annaler: Series A, Physical Geography* 97, pp. 437-452.
- Galia, T., Hradecký, J. (2014): Channel-reach morphology controls of headwater streams based in flysch geologic structures: An example from the Outer Western Carpathians, Czech Republic. *Geomorphology* 216, 1-12.
- Galia, T., Hradecký, J. (2014): Morphological patterns of headwater streams based in flysch bedrock: Examples from the Outer Western Carpathians. *Catena* 119, 174-183.
- ŠKARPICH, V., HRADECKÝ, J., DUŠEK, R. 2013. Complex transformation of the geomorphic regime of channels in the forefield of the Moravskoslezské Beskydy Mts: case study of the Morávka River (Czech Republic). *Catena*, 111: 25-40.
- HRADECKÝ, J., PÁNEK, T., ŠILHÁN, K., SMOLKOVÁ, V. 2013. Karstification as a Predisposing Factor of Seismically Triggered Landslides: Case Study from the Crimean Mountains (Ukraine): Introduction to the Problem. In: Ugai, K. et al. (eds.), *Earthquake-Induced Landslides*, Springer-Verlag Berlin Heidelberg, pp. 235-242.
- ŠILHÁN, K., PÁNEK, T., HRADECKÝ, J. 2013. Implications of spatial distribution of rockfall reconstructed by dendrogeomorphological methods, *Nat. Hazards Earth Syst. Sci.*, 13, 1817-1826.
- PÁNEK, T., SMOLKOVÁ, V., HRADECKÝ, J., BAROŇ, I., ŠILHÁN, K., 2013. Holocene reactivations of catastrophic complex flow-like landslides in the Flysch Carpathians (Czech Republic/Slovakia). *Quaternary Research*, 80, 33-46.
- PÁNEK, T., SMOLKOVÁ, V., HRADECKÝ, J., SEDLÁČEK, J., ZERNITSKAYA, V., KADLEC, J., PAZDUR, A., ŘEHÁNEK, T., 2013. Late-Holocene evolution of a floodplain impounded by the Smrdutá landslide, Carpathian Mountains (Czech Republic). *The Holocene* 23, 218-229.



- GALIA, T., ŠKARPICH, V., HRADECKÝ, J. 2012. Bedload sediment transport in connection with the geomorphological transition of gravel-bed streams in the Moravskoslezské Beskydy Mountains. *Geografie* 117, p. 95-109.
- GALIA, T., HRADECKÝ, J. 2012. Critical conditions for beginning of coarse sediment transport in torrents of Moravskoslezské Beskydy Mts. (Western Carpathians). *Carpathian Journal of Earth and Environmental Sciences* 7, p. 5-14.
- GALIA T., HRADECKÝ J. 2012. Bedload transport and flow resistance in steep channels - introduction to the problem in context of mountain basins of Central European region. *Acta Universitatis Carolinae - Geographica* 1/2012, 23-33.

SCIENTIFIC PROJECTS



- TAČR:** SS03010279 (2021-2023) - "Optimization of the management of the lower section of the Elbe with regard to the presence of biotope 3270 and the improvement of the hydromorphological state based on an interdisciplinary study." - principal investigator;
- TAČR:** TH02030509 (2017-2019) - "Identification of vulnerability and the possibility of supporting the natural functions of the landscape in conditions of a changed climate in large-scale specially protected areas." - principal investigator;
- GAČR** postdoctoral grant project, reg. No. 205/06/P131 "Geomorphological reaction of water streams on anthropogenic influence in Western Beskydians Mts." - principal investigator;
- Investigator of applied/contract research in the issue of fluvial geomorphology and restoration of rivers and landscape** (AOPK ČR, NP České Švýcarsko, Envicons s. r. o., atd.);
- GAAV** postdoctoral grant project, reg. No. KJB301870501: "Quaternary geochronology of slope deformations in the culmination part of Western Carpathians: numerical and relative dating of landforms" - co-investigator;
- GAČR** standard project P209/10/0309 "Influence of historical climatic and hydro-meteorological extremes on slope and fluvial processes in the Western Beskydy Mts. and their foreground" - co-investigator;
- GAČR** standard project P209/12/0317 "Late Quaternary evolution of the complex gravitational slope deformations on the southern slopes of the Crimean Mountains (Ukraine)" - principal investigator;
- GAČR** standard project P209/13/15123S "Spatial and temporal variation of rock mass sagging in the Tatra Mountains (Western Carpathians)" - co-investigator;
- GAČR:** 15-02067S (2015-2017): „Optimization of dendrogeomorphological methods for landslide research.“ - co-investigator;

