



# DIDACTICS OF GEOGRAPHY

The aim are the research, development and verification of different teaching methods of geography in accordance with the needs of practice and society. The methods of geography are studied with regard to competencies in geography education. Particular attention is devoted to the development of digital literacy of teacher and student. The development contains also creating of new teaching tools, educational material in text and multimedia formats, didactic tests and games, teaching methods of formal and informal education (e.g. servicelearning) and the preparation and coordination of popularization activities in geography. We are searching options of efficient use of the latest technology (e-learning, GPS, outputs of remote earth survey, the virtual Earth and virtual globes and geoinformatics technology) in geographical education and school educational outings and excursion. Special emphasis is placed on multidisciplinary themes of regional and global education and regional upbringing.

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<http://www.fpv.umb.sk/katedry/katedra-geografie-a-geologie/>

## RESEARCH AREAS



- The application of research conception of education in natural sciences (IBSE) into school geography
- The application possibilities of information technology in education of geography
- Didactics of geography of the local landscape

## Members of research team



Prof. RNDr. Ladislav Tolmáči, PhD.



PaedDr. Bohuslava Gregorová, PhD.

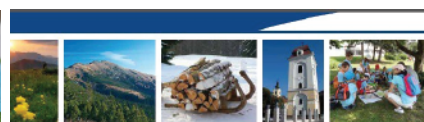


Mgr. Michaela Žoncová, PhD.

## KEY RESEARCH EQUIPMENT



- Interactive board
- Multimedia schoolroom with tablets
- Computer schoolroom (ArcGIS, Marble)
- Maps, 3D models, textbooks



### REGIONÁLNA GEOGRAFIA HORNÉHO POHRONIA





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## PROJECTS



- 2011-2013 Regional education in the geography education of Upper Hron river region, grant agency: KEGA, the number of the grant: 018UMB-4/2011
- 2013-2015 Innovative steps for requisites of education at universities in 21st century. Operational programme „Education“, ITMS: 26110230109
- 2013-2016 Development of innovative forms of education at the Matej Bel University in Banská Bystrica. Operational programme „Education“, ITMS: 26110230077
- 2016-2021 ExpEdícia – The project of change in education of natural sciences at lower-secondary schools, INDÍCIA
- 2017-2019 Interactive electronic textbook of regional geography of Upper Hron river region, grant agency: KEGA, the number of the grant: 002UMB-4/2017
- 2017-2020 IT Academy – education for 21st century

## OFFER



- Development and verification of various methodologies (IBSE, the project teaching, the problem teaching, etc.) and innovative technologies in education of geography.
- Expanding study of geography for teachers
- Popularization school activities of geography (for camps, schools, etc.)

## REQUIREMENTS



Our workplace are searching options to participate in projects which are aimed at research, development and verification of various methodologies and innovative technologies in education of geography in accordance with the needs of society and practice. We will welcome cooperation with state and private companies which are dealing with creation and verification textbooks and methodological materials.

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## Collaboration



non-profit organisation Indícia



Iuventa - Slovak Institute of youth



Association of schools  
teaching regional upbringing