

## RNDr. Bibiana Brixová, PhD.

Surname	Brixová
First name	Bibiana
Date and birth-place	11.11.1977 Bratislava, Slovak Republic
Nationality	Slovak
Citizenship	Slovak Republic
Marital status	married
Place of residence	Tehelná 25, 831 03 Bratislava, Slovak Republic
Language knowledge	English - active Russian - passive German - passive
Computer knowledge	frequent standard computer program using, special programs for computer graphics and geophysical processing and interpretation (Grapher, Surfer, Corel, GeoGraphix Discovery - Landmark Halliburton, Petrel - Schlumberger, OpendTect, ZondSt2D, ReflexW, BRMonitor, SeiSee)
Education	Comenius University Bratislava, Faculty of Natural Sciences, teacher of general education subjects, specialization: mathematics-biology; ecology <b>Mgr.</b> diploma 2001 (No. M015594) <b>RNDr.</b> diploma 2002 (No. R002061) Comenius University Bratislava, Faculty of Natural Sciences, Applied and Environmental Geophysics <b>Bc.</b> diploma 2004 (No B004870) <b>Mgr.</b> diploma 2006 (No Mv001244) <b>PhD.</b> diploma 2012 (No UK4686)
Further education	2004 University of Salzburg, Austria (study stay) DTU - Technical University of Denmark (environmental geology course) 2005 INTAGRAF (International Alpine Gravity Field), Merano, Italy 2008 PetroSkills, Aberdeen, Scotland, UK (petroleum geology course) 2019 VSB - Technical University of Ostrava, Construction engineering-geotechnics and underground construction. 2021 Processing GPR, road inspection - course in processing GPR measurements on roads



### Professional Activities:

Year	Rank	Organization
2021 – up to now	College tutor	Prif UK Bratislava
2019 - up to now	Student	VŠB Ostrava
2018 – up to now	Senior geophysicist	AEGEO, s.r.o.
2010 – 2021	Researcher	Prif UK Bratislava
2007 – 2011	Geophysicist	EURO-GEOLOGIC a.s.,
2007	Researcher in the ASAP project	Eötvös Lorand University, Budapest, Hungary
2001 - 2012	Student	Prif UK Bratislava

### Special professional experience

In geophysical research, I mainly focus on seismic measurements. Experience in hydrocarbon exploration - interpretation and attribute analysis of deep reflection seismic measurement, deep reflection seismic data acquisition (a member of the international team - Advanced Seismic Acquisition and Processing Project). Experience in shallow seismic methods (refraction, reflection, MASW) - planning of geophysical surveys and solving tasks of engineering geology, hydrogeology and environmental protection. Co-author of several technical and final reports. Recently I have also been concerned with technical seismicity and seismic monitoring as part of geotechnical monitoring and GPR survey.

Experience with pedagogical and scientific research activities - teaching of vocational subjects, a member of the master's degree state commission in the study program Applied and environmental geophysics, supervisor of students' final theses, a member of the scientific projects research team.

In the overview of published papers, I present the most important ones published during the last 5 years.

### **Selection of the most significant published papers of the last 5 years**

- Brixová, B., Mosná, A., Putiška, R., 2018: Applications of Shallow Seismic Refraction Measurements in the Western Carpathians (Slovakia): Case Studies. *Contributions to Geophysics and Geodesy*, 48, 2, 1-21
- Brixová, B., Mosná, A., Mojzeš, A., 2018: Geophysical research of the Western Carpathians faults - Sološnica (case study). *EGRSE*, 25, 2, 12-19.
- Brixová, B., Putiška, R., Dostál, I., Bednarik, M., 2018: Využitie plytkého geofyzikálneho prieskumu pri posudzovaní vápencového podložia v bývalom kameňolome. *EGRSE*. - Roč. 25, č. 1 s. 33-39
- Šamajová, L., Hók, J., Csibri, T., Bielik, M., Teťák, F., Brixová, B., Sliva, E., Šály, B., 2019: Geophysical and geological interpretation of the vienna basin pre-neogene basement (Slovak part of the Vienna Basin). *Geologica Carpathica*, 70, 5, 418-431.
- Kušnirák, D., Zeyen, H., Bielik, M., Putiška, R., Mojzeš, A., Brixová, B., Pašteka, R., Dostál, I., Zahorec, P., Papčo, J., Hók, J., Bošanský, M., Krajňák, M., 2020: Physical properties of Hradište border fault (Turiec Basin, Western Carpathians, Slovakia) inferred by multidisciplinary geophysical approach. *Geologica Carpathica*, 71, 1, 3-13.
- Šujan, M., Baucher, R., Mandic, O., Fordinál, K., Brixová, B., Kyška, P. R., Šimo, V., Jamrich, M., Rybár, S., Klučiar, T., Ruman, A., Zvara, I., Kováč, M., 2021: Lake pannon transgression on the westernmost tip of the carpathians constrained by biostratigraphy and authigenic  $^{10}\text{Be}/^{9}\text{Be}$  dating (central Europe). *Rivista Italiana di Paleontologia e Stratigrafia*, 127,3, 627-653.
- Lačný, A., Putiška, R., Vojtko, R., Dušeková, L., Mojzeš, A., Brixová, B., Zvara, I., Andrásy, E., Magdolen, P., 2021: Study of dolines of the Cajla Karst originated on covered karst landform (Malé Karpaty Mts., Western Carpathians). *Acta Geologica Slovaca*, 13, 2, 177-190.
- Pašteka, R., Hajach, M., Brixová, B., Mikuška, J., Stanley, J., 2021: Real magnetic stripping method in unexploded ordnance detection and remediation a case study from Rohozník military training range in SW Slovakia. *Contributions to Geophysics and Geodesy*, 51, 3, 277-294.
- Putiška, R., Brixová, B., Bednarik, M., Tornay, R., Dostál, I., Budinský, V., 2022: Shallow geophysical survey as a tool for compactness verification of the underground sealing wall. *Acta Geologica Slovaca*. 13, 2, 199-204.

