

## *Curriculum Vitae*



**Marjan Temovski, PhD**

*Research Fellow*

### *Personal details*

Nationality: Macedonian

Date and place of birth: 27.01.1985, Prilep, Macedonia

Languages: Macedonian (native), English (excellent), Slovenian (good), Serbian (good), Croatian (good), Hungarian (basic)

### *Affiliation*

Isotope Climatology and Environmental Research Centre  
Institute for Nuclear Research, Hungarian Academy of Sciences  
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### *Work experience*

**2017-**

#### **Research Fellow**

Isotope Climatology and Environmental Research Centre, Institute for Nuclear Research, Hungarian Academy of Sciences, Debrecen

- Isotope geochemistry of karst systems
- Karst groundwater geochemistry
- Speleothem-based paleoclimate research
- Neogene and Quaternary landscape and environmental evolution
- Quaternary glaciations in the central parts of Balkan Peninsula

**2015-2017**

#### **Postdoc Research Fellow**

Hertelendi Laboratory of Environmental Studies, Institute for Nuclear Research, Hungarian Academy of Sciences, Debrecen

- Isotope geochemistry of karst systems
- Isotope geochemistry of thermal karst springs
- Isotope geochemistry of sulfuric acid speleogenesis

**2011-2015**

#### **Geography teacher**

SOU Riste Risteski – Ričko, Prilep, Macedonia

## ***Education***

2015-2017: MTA Postdoctoral Fellowship in Debrecen, Hungary: Isotope geochemistry of karst systems in terms of palaeoclimate reconstruction and speleogenetic processes

2014: PhD in Karstology. University of Nova Gorica / SAZU ZRC Karst Research Institute, Postojna, Slovenia. Thesis title: "Evolution of karst in the lower part of Crna Reka river basin". Supervisors: Andrej Mihevc and Philippe Audra.

2008: BSc in Geography. Ss. Cyril and Methodius University of Skopje, Macedonia

## ***Scholarships***

- UNESCO International Research Center on Karst, Guilin, China, 2016
- French Government Grant for Scientific Project, 2014
- Young Geomorphologist Grant, International Association of Geomorphologists, 2013
- French Government Grant for Scientific Project, 2013
- French Government Grant for Scientific Project, 2010
- Ad Futura Scholarship for doctorate studies of foreign citizens in the Republic of Slovenia, 2009-2012
- Marie Curie Grant, 17<sup>th</sup> International Karstological School, Postojna, Slovenia, 2009

## ***Memberships***

- European Geosciences Union
- Macedonian Geographical Society
- UIS Commission on Glacier, Firn and Ice Caves
- UIS Karst Hydrogeology and Speleogenesis Commission
- Speleo club Zlatovrv - Prilep

## ***Hobbies***

- Caving
- Mountaineering
- Orienteering
- Photography

## ***Projects***

- "Specialist analyzes for absolute dating and mapping of four geological profiles at the Paleolithic locality Golema Pešt, near Zdunje village, Poreče, municipality of Makedonski Brod". Archaeological Museum of Macedonia, Skopje, 2018
- "Geochronology of glacial landforms and cave sediments in Macedonia and implications for Quaternary landscape evolution in the Central Balkan Peninsula", NKFIH grant FK-124807, 2017-2021.
- "Isotope Climatology and Environmental Research Centre (ICER): Strengthening palaeo and recent isotope geochemical research processes", 2016-2020.
- "Achieving Biodiversity Conservation through Creation and Effective Management of Protected Areas and Mainstreaming Biodiversity", Component 1: Increase of Protected Areas Network –

sub-component: “Preparation of Valorisation Study for Šar Planina – the FYR Macedonia”, 2017-2019.

- “National strategy for nature protection in Republic of Macedonia”, Ministry of Environment and Physical Planning of the Republic of Macedonia, 2015-2016.
- Strengthening of the capacities of the Crises management center, strengthening the capacities and resilience of local authorities and communities. Macedonian Red Cross, 2009
- Caves in Republic of Macedonia as part of the global informing. Macedonian Speleological Federation, 2007.

### ***Selected publications:***

- Palcsu L., Morgenstern U., Sültenfuß J., Koltai G., László E., **Temovski M.**, Major Z., Nagy T.J., Papp L., Varlam C., Faurescu I., Túri M., Rinyu L., Czuppon G., Botyán E., Timothy Jull A.J. (2018): Modulation of cosmogenic tritium in meteoric precipitation by the 11-year cycle of solar magnetic field activity. *Scientific Reports*, 8, 12813.
- **Temovski M.**, Madarász B., Kern Z., Milevski I., Ruszkiczay-Rüdiger Z. (2018): Glacial geomorphology and preliminary glacier reconstruction in the Jablanica Mountain, Macedonia, Central Balkan Peninsula. *Geosciences*, 8, 270.
- **Temovski M.**, Palcsu L. (2018): Geochemical characteristics of some thermal karst springs – insight into the hypogene karst systems in Mariovo, Macedonia. In: Milanović S., Stevanović Z. (Eds.), *Proceedings of the International Symposium KARST 2018 – Expect the Unexpected*, 223-230.
- **Temovski M.**, Futó I., Túri M., Palcsu L. (2018): Sulfur and oxygen isotopes in the gypsum deposits of the Provalata sulfuric acid cave (Macedonia). *Geomorphology*, 315, 80-90.
- **Temovski M.** (2018): Ice caves in FYR of Macedonia. In: Persoiu A., Lauritzen S.-E. (Eds.), *Ice Caves*. Elsevier, 455-478.
- Milevski I., **Temovski M.** (2018): Geomorphological heritage and geoconservation in the Republic of Macedonia. *Bulletin of the Serbian Geographical Society*, 98(1), 15-29.
- **Temovski M.** (2017): Hypogene karst in Macedonia. In: Klimchouk A., Palmer A., De Waele J., Auler A., Audra P. (eds), *Hypogene Karst Regions and Caves of the World. Cave and Karst Systems of the World*, Springer International Publishing, 241-256.
- **Temovski M.** (2016): Evolution of karst in the lower part of Crna Reka river basin. *Springer Theses*, Springer International Publishing, 265 p.
- **Temovski M.**, Pruner P., Hercman H., Bosák P. (2016): A cave response to environmental changes in Late Pleistocene: study of Budimirica Cave sediments, Macedonia. *Geologica Croatica*, 69 (3), 307-316.
- **Temovski M.**, Milevski I. (2015): DEM based geomorphometric analyses of karst surface in the Republic of Macedonia. In: Jasiewicz J., Zwoliński Zb., Mitasova H., Hengl T. (eds), *Geomorphometry for Geosciences*. Adam Mickiewicz University in Poznań - Institute of Geoecology and Geoinformation, International Society for Geomorphometry, Poznań, 65-68.
- **Temovski M.**, Audra Ph., Mihevc A., Spangenberg J., Polyak V., McIntosh W., Bigot J.-Y. (2013): Hypogenic origin of Provalata Cave, Republic of Macedonia: a distinct case of successive thermal carbonic and sulfuric acid speleogenesis. *International Journal of Speleology*, 42 (3): 235-246.
- **Temovski M.** (2012): Površinska rasprostranetost na karstnite karpi vo Republika Makedonija (Extension of karst rock outcrops in Republic of Macedonia). *Geographical Reviews*, Macedonian Geographical Society, 46, Skopje, 21-35 (in Macedonian).