

IMPORTANT GEOLOGICAL AND MONTANISTIC SITES OF SLOVAKIA

Content

Preface

List of Acronyms

1. *Liščák, P. & Antalík, M.*: Information System of Important Geosites in the Slovak Republic 5
2. *Ozdín, D. & Kúšik, D.*: Mineralogical Heritage of Slovakia – A Significant Contribution to Knowledge of Minerals in the World 69
3. *Sombathy, E., Kúšik, D. & Mižák, J.*: Slovak Mining Road 83

COVER: *Left-up*: Lava flows of pyroxenic andesite with conspicuous columnar jointing in the area of the hill Štangarigel' (pen-and-ink drawing by Vlastimil Konečný).
Right-up: A ceremonial visit to the Glanzenberg Hereditary Adit.
Left-down: A qualitatively exceptional sample (10 x 6 cm) of the emerald-green euchroite from the Lubietová – Svätodušná deposit. The size of the euchroite crystals is up to 2 cm. Finding of 2003 (Photo: T. Bancík).
Right-down: Memorial Plaque commemorating a visit of Francis I, Holy Roman Emperor, spouse of Maria Theresa, to the Glanzenberg Hereditary Adit on June 7, 1751.

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Preface

Important Geological and Montanistic Sites of Slovakia

Since the restoration of the Slovak Geological Magazine issuing in 2013 there has been published wide spectrum of themes covering both basic and applied research in geology. However, the theme of geoh heritage and geotourism has not been covered yet, despite the SGIDŠ workers have significantly contributed also to this booming sector of geological science. We could mention the publishing of important geological sites in the scope of the edition of regional geological maps. SGIDŠ has published several geological-tourist maps, for instance Cerová vrchovina Upland, Vysoké Tatry and Vihorlat Mts., Zemplín region. The specialists from our institute played a key role in establishment of Banská Štiavnica, Novohrad and Sapag geoparks. The SGIDŠ website presents to the society almost 500 important geosites of Slovakia, which were elaborated in collaboration with prominent geologists from Faculty of Natural Science CU University and then Geological Institute of the Slovak Academy of Science.

Nevertheless, despite the above activities, we have to admit, that due to the lack of the subject geology in the Slovak education system at elementary at elementary, but especially at high school since nineties of the previous century, we have experienced the down-warding trend in the geological knowledge level of the Slovak population. This is reflected also in declining number of students in geology and in degrading society perception of the environmental links among the compounds of the landscape – rocks, water, soil, atmosphere, and biota.

If we look back to history for a few centuries to millennia, we have always met geomorphosites, gems and the raw materials that have motivated the human population, and have significantly affected the course of human history. Just remember, for example, the routes of obsidian, amber, salt, copper, iron, silver, gold and the fortification networks built to protect them. This volume of SGM includes three contributions devoted to information system on geosites of Slovakia, exceptional minerals from our territory and Slovak mining road connecting historic mining towns.

Pavel Liščák & Dušan Kúšik

LIST OF ACRONYMS

a.s.l.	above sea level
BABB	Back-Arc Basin Basalt
BERG TU	Faculty of Mining, Ecology, Process Control and Geotechnologies of Technical University
E-MORB	Enriched Mid-Ocean Ridge Basalt
Fm.	Formation
GPS	Global Positioning System
HSCS	Heritage Sites and Collections Subcommittee
HFSE	High-Field-Strength Elements
HSM	High-Sulphidic Mineralisation
IAG	International Association of Geomorphologists
ICG	International Commission on Geoheritage
IUGS	International Union of Geological Sciences
KI	Kubler Index
Mb.	Member (Beds)
MIAG	Magnesite Industrial Joint-Stock Company (<i>Magnesit Industrie Aktien-Gesellschaft</i>)
Mts.	Mountains, Mountain Range
NAPANT	National Park Nízke Tatry
NHM	Natural History Museum
NL	National Landmark
NNL	National Nature Landmark
NOŠ	New Drainage Gallery (<i>Nová odvodňovacia štôlna</i>)
NP	National Park
n.p.	National Enterprise (<i>národný podnik</i>)
NNR	National Nature Reserve
NR	Nature Reserve
OIT	Ocean-Island Tholeiite
PF	Protected Finding
PIENAP	Pieniny National Park
PKB	Pieniny Klippen Belt
PLA	Protected Landscape Area
P-T	Pressure-Temperature
REE	Rare Earth Elements
SGIDS	State Geological Institute of Dionýz Štúr
SHRIMP	Sensitive High-Resolution Ion Microprobe
SIR	Slovak Iron Road
SMR	Slovak Mining Road
SNR	Slovak National Council (<i>Slovenská národná rada</i>)
SOP SR	State Nature Conservancy of the Slovak Republic (<i>Štátna ochrana prírody SR</i>)
SSPA	Small-Scale Protected Areas
š.p.	State Enterprise (<i>štátny podnik</i>)
TANAP	Tatra(s) National Park
UNESCO	United Nations Educational, Scientific and Cultural Organization
VHJ RBMZ	Rudné bane Production Unit and Magnesite Plants
VSEGEI	Geological Research Institute (<i>Всероссийский научно-исследовательский геологический институт</i>)