

Foreword

The metaphor »standing on the shoulders of giants« has marked the progress of science throughout the centuries. Although it is sometimes attributed to Isaac Newton, in reality, its origins go back much further in human history. But the most important thing is not the saying itself or the time of its first appearance, it is the message that it carries. Knowledge is like a pyramid whose top will collapse by taking away even the smallest part of its foundations. Nobody, regardless of their success and talent, achieves greatness alone, but is shown the right direction by the teachers who help pave part of the way. Without their advice, and sometimes orders, it would be impossible to continue down the path. And this is the message of the saying. All who build and perfect their knowledge are only sitting on the shoulders of our ancestors.

This jubilee edition is dedicated to our teachers who have paved the way for the present generation of geologists. All of these teachers have dedicated their time to a specific part of geology, mastered it, and transmitted the knowledge to younger generations. They have researched vast areas of geology, including petrology, mineralogy, geochemistry, sedimentology, tectonics, regional geology and palaeontology. This is why the papers are also very varied. Their students, especially colleagues who have graduated under their mentorship, have presented us with a short summary of current geological research dealing with previously listed areas of geology and reconfirmed the varied character of Slovene geology. The present collection is therefore a modest compliment to the teaching and scientific contribution of Dragica Strmole, Jože Čar, PhD, Professor; Rajko Pavlovec, PhD, Professor; and Simon Pirc, PhD, Professor. With their work, they have significantly contributed to the development and progress of Slovene geological sciences.

Finally, we would like to thank all the authors of the papers who have kindly responded to our request and thus honoured an important jubilee of their teachers and mentors. Special thanks also go to the editors of this collection who have spent a lot of their time and energy on its realization, and last but not least, to the editorial board of RMZ – Materials and geoenvironment journal, who have included our collection in their program. Everybody has thus not only shown respect for the teachers, but has also added another stone to the colourful mosaic of the knowledge of the geological history of Earth and of its phenomena.

Associate Professor, Mihael Brenčič, PhD,
Head of Department of Geology

Predgovor

Rek »*Na ramenih velikanov*« zaznamuje pot znanosti skozi stoletja. Čeprav ga velik del literature pripisuje Newtonu, njegove korenine segajo globoko v človekovo preteklost. A ni pomemben zgolj rek in kdaj se je le-ta razvil, pomembnejše je njegovo sporočilo. Znanje je kot piramida, katere vrh se poruši, če mu spodmakneš le del temeljev. Nihče, pa če je še tako uspešen in nadarjen, ne zraste iz sebe, ampak mu njegovo pot tlakujejo učitelji, velik del poti prehodi po poti, ki so mu jo uhodili oni in nakazali njegovo smer. Brez njihovih nasvetov in včasih tudi ukazov, ne bi našel poti naprej. In to je pomen tega reka. Vsi, ki se ukvarjamo z znanjem in ga gradimo ter izpopolnjujemo, le sedimo na ramenih naših predhodnikov.

Tokratno jubilejno številko posvečamo našim učiteljem, ki so sedanji generaciji aktivnih geologov utrlji nove smeri. Vsak od naših tokratnih slavlencev se je posvetil delu geološke znanosti in jo izmojstril ter svoje znanje prenesel na mlajše generacije. Učitelji, katerim posvečamo zbornik, so posegli na zelo široka področja geologije: od petrologije, mineralogije, geokemije, sedimentologije, tektonike, regionalne geologije do paleontologije. Zaradi tega je pester tudi naš zbornik. Njihovi učenci, predvsem kolegi, ki so doktorirali pod njihovim mentorstvom, nam predstavljajo kratek pregled aktualnih geoloških raziskav z vseh prej naštetih področij geologije ter tako ponovno potrjujejo pestrost slovenske geologije.

Zbornik, ki je pred nami, naj bo tako skromen poklon učiteljskemu in znanstvenemu prispevku Dragice Strmole, prof. dr. Jožeta Čarja, prof. dr. Rajka Pavlovca in prof. dr. Simona Pirca. S svojim delom so pomembno prispevali k razvoju in napredku slovenske geološke znanosti in šole.

Na koncu velja tudi posebna zahvala vsem avtorjem prispevkov, ki so se prijazno odzvali in s tem počastili pomembno obletnico svojih učiteljev in mentorjev. Prav tako velja zahvala urednikom zbornika, ki so v njegovo pripravo vložili nemalo svoje energije in časa, ter ne nazadnje velja zahvala tudi uredništvu revije RMZ – Materiali in geookolje, ki je zbornik, posvečen našim jubilentom, uvrstilo v svoj program. S tem so vsi skupaj izrazili ne le spoštovanje do jubilentov in njihovega dela, temveč so s svojimi prispevki položili še en kamen v pester mozaik poznanja geološke zgodovine Zemlje in njenih pojavov.

Izr. prof. dr. Mihael Brenčič
predstojnik Oddelka za geologijo