

## Prof Peter Marchev – forty years studies in geology and magmatic petrology

*Iskra Lakova*

*Geological Institute, Bulgarian Academy of Sciences, Acad. G. Bonchev St., Bl. 24, 1113 Sofia;  
E-mail: lakova@geology.bas.bg*

Peter Marchev was born in Burgas in 1946. He graduated Sofia University “St. Kliment Ohridski” in 1972 with master qualification in geology-geochemistry. In 1972 and 1973 he worked in the GORUBSO Mining Company in Madan. In the period from 1974 to 1977 he was a PhD student and assistant at the Chair of Petrology, Sofia University. In 1978 and 1979 he worked in “Redki Metali” State Company.

The research career of P. Marchev in the Geological Institute at the Bulgarian Academy of Sciences started in 1980 as a Research Associate, and then continued as Senior Research Associate and Professor since 1991. In 1995 he became a head of the Department of Geochemistry and Petrology. He obtained his PhD degree in Petrology in Sofia University in 1985 and his Doctor of Sciences degree in the Geological Institute, BAS, in 2007.

In 1987-1988 P. Marchev was a lecturer in Sofia University. He was a consultant or supervisor of 6 Bulgarian and foreign PhD students and a supervisor of 7 Master students in geology in Sofia University.

The main fields of Peter’s research interests are: petrology of intrusive and volcanic rocks, composition of the lower Earth’s crust and upper mantle, radiogenic and stable isotope age dating of rocks and minerals, petrogenetic and ore deposit models, geological mapping of volcanic regions and hydrothermal alteration. Since 1991 he is acting as consultant for foreign prospecting companies.

In the years P. Marchev demonstrated his mobility and large international cooperation in East and West and carried out joint research in various universities and laboratories: in 1983 – 3 months at the Institute of Geochemistry in Irkutsk, Russia (former USSR); in 1990 – 5 month in USA, in the USGS in Denver, CO, and the University of Washington State in Pullman, with funding by the American National Academy of Sciences and the USGS; in 1994 – 4 months NATO grant at the University of Florence, Italy; in 1995 – in East Kilbride, Scotland, and in 1999 – at Royal Holloway, London, both stays supported by the European Science Foundation; in 1997, 2000 and 2007 – a total of 4 months at the University of



Geneva and ETH, Zurich, Switzerland, with grants from the European Science Foundation and the Swiss Research Fund; and in 1994 and 2009-2010 in Japan, with grants from the JSPS.

Peter Marchev was a principal investigator or participated in 16 multilateral and/or bilateral projects between the Geological Institute, Sofia, and partner bodies from Switzerland, Italy, Greece, UK, USA and Japan. He also led or took part in a number of research projects financed by the Bulgarian National Research Fund or by geological structures in this country.

P. Marchev presented his achievements at numerous international geological congresses and conferences in USA, Europe, Japan and South America, being also session convenor. Regularly he presented the results

of his working group in Bulgaria, chiefly at annual the “Geosciences” conferences organized by the Bulgarian Geological Society.

His track includes over 150 scientific papers and abstracts in international peer-reviewed, foreign and Bulgarian geological journals. Peter Marchev is among the most largely cited Bulgarian authors in the geological literature and no doubt the internationally best recognized Bulgarian scholar in geology of his generation.

In 1991 – 2008 Peter Marchev was a member of the Editorial Board of the journal *Geologica Balcanica*, and in 2009–2011 was Editor-in-Chief. He is also in the Editorial Board of the Central European Journal of Geosciences (CEJG). P. Marchev has been reviewing numerous papers in international peer-review journals, such as *Earth and Planetary Science Letters*, *Chemical Geology*, *Tectonophysics*, *Ore Geology Review*, *Neues Jahrbuch für Mineralogie*, *Mineralium Deposita*, *Journal of Asian Earth Sciences*, *Lithos*, and

*Geological Society Special Publications*. He was invited as external examiner for PhD thesis defenses in Switzerland and India.

Peter Marchev is a member of IAVCEI (International Association of Volcanology and Chemistry of Earth Interior), SEG (Society of Economic Geologists), Bulgarian Geological Society and Bulgarian Mineralogical Society.

He is a member of the Scientific Council of the Geological Institute since 1992.

In 2001 he was a First Prize winner of the National Research Fund at the Ministry of Education and Science as a principal investigator of a successful research project.

Editorial Board of *Geologica Balcanica* congratulates Prof Peter Marchev for his 65 anniversary and wishes him further achievements in understanding the geological history of Bulgaria and the Balkan Peninsula. Those who work in his teams appreciate his erudition, tolerance, problem-solving ability and the internal desire to transmit the geological knowledge to younger successors.