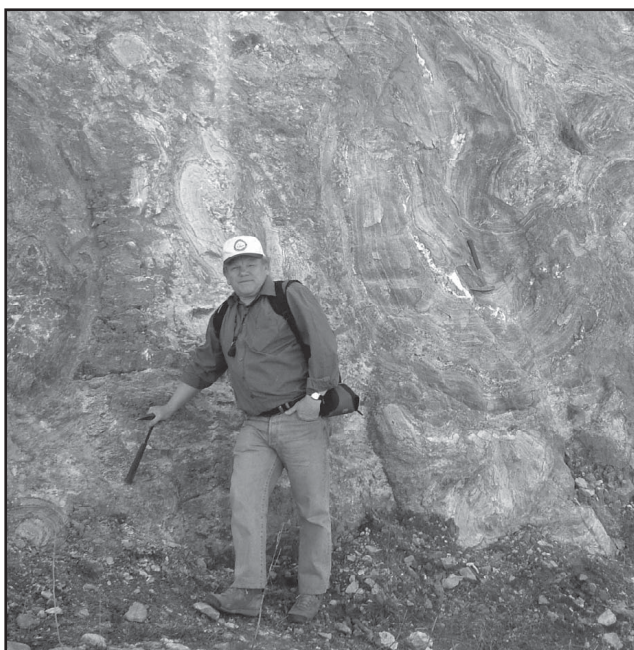


In Memoriam Academician Josip TIŠLJAR (1941–2009)



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Geologia Croatica



Professor Josip Tišljär, who was a Full Member of the Croatian Academy of Sciences and Arts, died suddenly on August 9, 2009.

He was born in the small town of Ludbreg in Northern Croatia on June 1, 1941. After finishing elementary school there, and high-school in Varaždin, he enrolled to study geology at the Faculty of Mining, Geology and Petroleum Engineering, University of Zagreb. He graduated in 1965, finished his MSc degree in 1973, and his PhD in 1976, all in Natural Sciences.

After his graduation, Josip Tišljär started to work at the civil-engineering company in Petrinja, but he joined the Faculty of Mining, Geology and Petroleum Engineering, after only a couple of months, and remained there until his death.

Josip Tišljär was elected as Assistant in 1968, Assistant Professor in 1977, Associate Professor in 1980, Professor in 1986 and Professor in Permanent Position in 1997.

He held many different positions: Head of the Department of Geology of the Faculty of Mining, Geology and Petroleum Engineering (1980–1981), Director of the Institute of Geology and Mineral Deposits of the Faculty of Mining, Geology and Petroleum Engineering (1981–1983), President of the Council of the Faculty of Mining, Geology and Petroleum Engineering (1984–1986), Dean of the Common Study of Geology of the University of Zagreb (1987–1990), Head of the Department of Mineralogy and Petrology of the Faculty of Mining, Geology and Petroleum Engineering (1991–1993). Professor Tišljär was also responsible for all the Natural Science programmes at the Post-Graduate School of the Faculty of Mining, Geology and Petroleum Engineering.

Professor Josip Tišljär was president of the Sedimentological Section of the Croatian Geological Society (1980–1982), president of the Scientific Council for Petroleum of the Croatian Academy of Sciences and Arts (1996–1999), member of the State Commission for scientific promotion in natural sciences in the Ministry of Science, Education and Sports of the Republic of Croatia, as well as a president of the Croatian National Committee for the International Geological Correlation Programme.

The scientific work of Professor Tišljär was very impressive, because geology was his passion, not only his profession. His major focus was on sedimentary rocks, an area which at the time was relatively neglected in Croatian Earth Sciences, although Croatia is especially famous for its carbonates, being part of the classical karst area. Initial support was provided by his mentor, Academician Vladimir Majer, who gave him an opportunity to finish specialising in clastic and clayey sedimentary rocks with Professor Jiřy Konta (at the Institute of Petrology of the Charles University in

Prague), as well as specialising in carbonate deposits with Professor Hans Füchtbauer (at the Institute of Geology of the Ruhr University in Bochum).

Soon after this, he decided to focus especially on carbonates, and a major part of his future investigations and publications was dedicated to different aspects of the sedimentology of carbonates and evaporites.

A list of more than 170 publications shows his wide scientific interests. At the beginning of his career he was mainly focused on the study of the ophiolitic melange in the area of Central Dinarides and Vardar Zone, mostly fine-grained clastic deposits and radiolarian cherts. Later he studied Tertiary clastic deposits, carbonates and marls of the Croatian part of the Pannonian Basin, especially glauconitic sandstones and their association with volcanoclastic deposits.

During his studies of deep wells in the Pannonian Basin he focused on the regional characteristics and sedimentology of marginal areas of the Psunj, Papuk and Žumberak Mts., mainly on clastic rocks with the role of source and reservoir rocks for hydrocarbons.

One of the important contributions of Professor Tišljär was his sedimentological approach to the complex multidisciplinary study of pre-Tertiary and Tertiary tectonics, stratigraphy and sedimentology of bauxite deposits in the area of the Karst Dinarides in Croatia and Bosnia and Herzegovina.

However, most of his work was focused on the geological love of his life: shallow-marine carbonates. Over decades, he studied numerous profiles in Croatia from Savudrija along the Slovenian border to the far SE, Prevlaka area at the Montenegro border, and from Palagruža Island to the northeasternmost carbonates in Croatia, as a member of multidisciplinary teams. He produced dozens of reports for scientific projects and many companies, always including all details on the structure and texture of rocks, their facies and microfacies, environments, diagenetic processes, palaeogeographical meanings and all other aspects. He was the first Croatian sedimentologist to discuss in detail, stromatolites, oncolites, early-diagenetic dolomites, shallowing-upward cycles and black-pebble breccias. His careful study of these rocks made him famous not only in Croatia, and he presented his knowledge at many conferences and lectures throughout Europe. Lately he was focused on the problem of different varieties of carbonate breccia, a very intriguing and complex topic. Through the decades, he received very good cooperation from many colleagues and institutions, especially with the Croatian Geological Survey, (he cooperated on lengthy studies of Jurassic and Cretaceous successions throughout the Dinarides and was involved in many activities in the planning, production and review of the new lithostratigraphic map of the Republic of Croatia, together with many other issues) and the national oil company INA (where he was an expert for numerous Croatian and international projects). He also produced consultancy work for Chevron, Texaco and Agip.

His enthusiasm to share the results of his investigations with others was especially noteworthy, and he led numerous field trips on Croatian and International geological confer-

ences, where he was always eager to discuss the details while in the field. Some of the guidebooks he authored or co-authored with colleagues from the Croatian Geological Survey were widely accepted as high-quality scientific papers, e.g. those from the 4th International Association of Sedimentologists Regional Meeting (Split, 1983), the 2nd International Symposium on the Adriatic Carbonate Platform (Zadar, 1991), the 80th Italian Geological Congress (Trieste, 2000), the 6th International Congress on Rudists (Rovinj, 2002), the 22nd International Association of Sedimentologists Meeting of Sedimentology (Opatija, 2003), or the 9th International Symposium on Fossil Algae (Zagreb, 2007).

Professor Tišljär was a member of the Organizational and Scientific Committees of seven Croatian and six International geological conferences. He participated in dozens of Croatian and international scientific conferences, where he presented more than 20 invitation lectures.

Professor Tišljär was the principal investigator on many projects and the director of one programme funded by the Croatian Ministry of Science, Education and Sports. He also participated in several international, bilateral and IGCP projects focused on the study of the Karst Dinarides and their correlation with neighbouring areas.

His very wide theoretical knowledge and impressive practical experience enabled him to introduce and continuously improve several courses on the petrology of sedimentary rocks and sedimentology in undergraduate and postgraduate studies, where he was also one of the best advisors. Besides several dozens of BSc theses he was an advisor of 11 MSc and 8 PhD thesis, as well as a member of evaluating committees for more than 30 MSc and PhD exams.

Professor Tišljär published 5 books, among which two, *Sedimentology of Carbonates and Evaporites* (2001), and *Sedimentology of Clastic and Siliceous Deposits* (2004) published by the Croatian Geological Survey, probably represent the most important books on Croatian sedimentology, since state-of-the-art scientific information was accompanied by hundreds of examples from mostly his own and his colleagues extensive work throughout Croatia. He also published 59 peer-reviewed papers, 66 abstracts and papers in conference proceedings, 40 chapters in books (mostly field-trip guide-books), and he was co-editor of another three books.

However, by far the most important editorial achievement of Professor Josip Tišljär was his long-lasting support of the leading Croatian geological journal, 'Geologia Croatica', since he was a member of the Editorial Board of its predecessor 'Geološki vjesnik' since 1986, and continued as a member of the 'Geologia Croatica' Board from 1991 until his death. He was a very pro-active, passionate and scientifically brilliant Associate Editor, keeping eye on the quality of sedimentological papers, but also those dealing with other disciplines, since his knowledge was very wide. He is definitely one of the small group of dedicated people responsible for survival of the journal through some very harsh times, and helped to achieve continually higher standards, enabling it to become one of the best geological journals in the entire region.

He was also a member of the Editorial Board of the Slovenian scientific journal 'Geologija' since 1998.

For his work, Josip received numerous awards, and the most important ones were two 'Josip Juraj Strossmayer' awards given by the Croatian Academy of Sciences and Arts for his books (1994 and 2004), and 'Award of the City of Zagreb' (2005) for his complete work in the field of sedimentology.

Professor Josip Tišljar was elected as an Associate Member of the Croatian Academy of Sciences and Arts, in the Department of Natural Sciences, in 1983, and he became a Full Member in 2004, as one of the youngest members of the Academy, being very active in many areas.

Josip had so many plans for the future in all fields, from scientific, where he opened some completely new areas recently, to his family, where he planned to spend more time with his beloved wife Vesna, their two sons, Zvonimir and Mladen, and his immense joy, grandchildren, either in his home in Zagreb, weekend house in Ludbreg or in the Alps, mountains that he truly adored.

Unfortunately, his sudden death on August 9, 2009 curtailed all of his and our plans, and was an incredible shock to us all.

Summarizing his lifelong scientific contribution, there is no doubt that he was among the best ever Croatian geologists, not only of his generation, and the leading Croatian sedimentologist.

We will remember Professor Tišljar as a great field geologist, since he was ready to raise questions over and over again, looking at every outcrop carefully, even if he was there more than a dozen times; and yes, he would always find something new, transmitting his passion for scientific work to many younger generations. He was always ready to patiently answer all questions asked by anybody, from the first-year student to his fellow Academicians. However, he was never afraid to say that he did not know the answer or to accept another opinion if the evidence was stronger, making his scientific credibility exceptionally strong among all of us who had the privilege to know him.

And we will definitely remember Professor Tišljar, our Joža as we used to call him, as a great friend and a great man who loved so passionately his profession, his colleagues, his country, and his family.

Let him rest in peace!

Igor Vlahović, Ivo Velić and Branko Sokač

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