

Dear colleagues,

with great sadness we announce that Svetozar Musić, Croatian chemist and Mössbauer spectroscopist, passed away on Tuesday, August 26, after a long and serious illness.

Svetozar Musić was born in 1946 in Skopje. He graduated in 1970 from the Department of Chemistry, Faculty of Science in Zagreb, where he also defended his doctoral thesis in 1978. He began his research at the Laboratory of Radiochemistry of the Ruđer Bošković Institute where he studied adsorption/desorption equilibria on various adsorbents and investigated various colloids and complex compounds labeled with short-lived radioisotopes for use in nuclear medicine.



During 1976 and 1977, thanks to a scholarship from the Hungarian government, he stayed in the laboratory of prof. Attila Vértes at the Institute of Physical Chemistry and Radiology of the Eötvös Loránd University, Budapest, Hungary. In the period from 1980 to 1982 he was a visiting scientist at Lehigh University, Bethlehem, Pennsylvania, United States of America, thanks to the scholarship awarded by the Office of Naval Research (US Department of the Navy) and the invitation of prof. Henry Leidheiser. During the aforementioned stays in Hungary and USA, he specialized in the use of Mössbauer spectroscopy in the research of various materials, which he continued to do at the Ruđer Bošković Institute after his return from the USA.

In his scientific work, Svetozar Musić has been involved in the research of metal oxides, oxide glasses and glass-ceramics using a range of experimental techniques. He has published more than 300 scientific papers that have been cited more than 10,000 times (h-index 50). He introduced the instrumental technique of Mössbauer spectroscopy into scientific research in Croatia and worked tirelessly to equip the Ruđer Bošković Institute with state-of-the-art instrumentation for thorough material characterization. He has mentored a total of 18 doctoral and master's theses.

In 2013, he successfully organized the International Conference on the Application of the Mossbauer Effect (ICAME 2013) which was held in Opatija, Croatia. The Mediterranean Conference on the Application of the Mossbauer Effect (MECAME 2015) was held in his honor in 2015 in Zadar, Croatia.

Dr. Musić was a member of the Parliamentary Council for Nuclear Safety and a member of the Commission for the Krško Nuclear Power Plant. He was also an expert in materials science and synthetic chemistry at the European Research Council (ERC) and an expert at the International Atomic Energy Agency (IAEA).

For his scientific work, he received the Award of the Croatian Academy of Sciences and Arts, of which he was elected as associate member in 2010, and a full member in 2016.

Svetozar Musić was one of those scientists who has been committed to the advancement of science at the Ruđer Bošković Institute and in Croatia throughout his career. His inexhaustible energy, wealth of knowledge, and dedication to achieving that advancement has left a deep and indelible mark.

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