



## IN MEMORIAM

Profesor Doctor Docent LIVIU ONICIU

Profesor Liviu Oniciu was born on 11<sup>th</sup> of February 1927 in Cluj. He got an excellent high school education in both, literary and scientific directions, at the Pedagogical Seminar of the Cluj University (1946). He graduated the Faculty of Science of "Victor Babeș" University in Cluj (1950), becoming an assistant at the Chair of Physical Chemistry of this faculty. He retired in 1997, at the age of 70, but he continued to work as a consulting Professor, until the last days of his life (27<sup>th</sup> of November 1999).

In his remarkable teaching period, he was: lecturer (1961), associated professor (1965), full professor (1970), Dean of the Faculty of Chemistry (11 years), Head of the Department of Physical Chemistry (14 years), member of Faculty Council (32 years), member of the University Senate (24 years). In 1984, he received the Award of the Excellence in Teaching, from the Ministry of Education.

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In his outstanding scientific period, he became: PhD (1961), ScD (1971), PhD advisor (since 1969), and he received the “Nicolae Teclu” prize from the Romanian Academy of Science (1980).

Profesor Liviu Oniciu was: Director of the Cluj-section of the Institute of Chemical and Biochemical Energetics (10 years), Director of the Research Centre in Electrochemistry at the Babeş-Bolyai University (9 years), member of the International Society of Electrochemistry (I S E), the American Society of Electrochemistry, the Council of European Academy of Surface Technology, and as a proof of his recognition at the international level. I mention that I S E has elected him to be the representative of Romanian group of electrochemistry in ISE.

Professor Liviu Oniciu wrote 6 books (two of them abroad), 8 monographs (one of them translated abroad), 19 patents and more than 220 scientific papers.

Prof. Liviu Oniciu was the founder of the prestigious School of Electrochemistry from Cluj, recognized in our country as being the most important school in “Electrochemical Conversion of Energy”.

As research directions I mention: anodic oxidation of methanol on various electrocatalysts, the fuel cells: hydrazine/ hydrogen peroxide, hydrogen/oxygen, the alkaline batteries Ni-Fe; Ni-Cd, as well as Na-S battery and batteries with Li anode.

One must also mention the results obtained in applied electrochemistry by the Cluj-Section of the Institute of Chemical and Biochemical Energetics (10 years), namely: organic electrosynthesis, electrodeposition of metals, and photoelectrochemical conversion of energy.

Finally, we must underline that prof. Liviu Oniciu was a visionary scientist and due to this quality he was able to orient his coworkers towards scientific directions which will become important in millennium III, as for instance: fundamentals and applications of Electrochemical (and Electrochemical –Hydrodynamical) Impedance Spectroscopy in: Chemistry, Biochemistry, Pharmacy and Biology; Biosensors; modern electrochemical methods in studying the drugs and their therapeutic effects, just to indicate some of those which are already in development at Cluj.

Prof. Liviu Oniciu died in 1999, but his name will live as much as the Electrochemical Science in our country.

May he rest in peace.

Prof. dr. ing. Nicolae Bonciocat  
Prof. dr. Ionel Cătălin Popescu