

Prof. Emil Cordoș PhD is currently honorific consulting professor at the Babes-Bolyai University, Faculty of Chemistry and Senior Research Fellow at ICIA Cluj. He became a student of the Faculty of Chemistry in 1954 and had graduated in 1959 with a degree of merit, specialty Inorganic Chemistry. In 1960, he obtained, by competition, a preparatory position at the Department of Inorganic and Analytical Chemistry led by Academician Raluca Ripan. In 1961 he was promoted to assistant at the same chair in the discipline of analytical chemistry, led by Professor Candin Liteanu. His university career unfolded, until today, in the same department, by going through the consecrated steps of the academic hierarchy: lecturer in 1968, associate professor in 1976, professor in 1990 and consulting professor in 2005. He defended his PhD in 1969 with a thesis entitled "Contributions to the automation of kinetic methods of analysis". Professor Cordoș also occupied leadership positions at the Babes-Bolyai University, Faculty of Chemistry: Vice Dean, 1977-1981, Dean, Faculty of Chemistry, 1990-1992 and Head of Analytical Chemistry Chair, 1996-2002. As vice dean of the Faculty of Chemistry has contributed to the establishment of departments of chemical engineering. Professor Cordoș was the first Dean of the Faculty of Chemistry since 1990, in a very tense mandate. In spite of it, he manage to reestablish the traditional departments of the faculty, ensure a beginning of compatibility with top European university curricula and a smooth continuation, without major shocks, of the teaching process. Specialization of Professor Cordoș in Analytical Chemistry is the Instrumental Analysis with emphasis on automated analytical instrumentation and its applications, mainly in spectrometric methods. He made the first steps in this field at the University of Illinois, USA, where he worked for three years as Fulbright fellow and postdoctoral research associate. He understood that good research in this field implies an interdisciplinary approach and proper infrastructure that could not rely only on resources and staff of a Romanian university chair. Therefore, besides the remodeling of the Instrumental Analysis course he formed research teams and collectives within specific projects. In 1990 these collectives merged and, finally, in 1996, they became the Research Institute for Analytical Instrumentation, ICIA, a subsidiary of the National



Institute of Research and Development in Optoelectronics. Those teams and the institute could and did address projects on very broad topics including spectrophotometry systems, from simple devices to complex systems of analysis based on radio frequency generated plasma, sensors based on ceramic semiconductor, robots specialized in analysis and, recently projects related to the environment and alternative fuels. In this institute were formed professionals who become professors, directors of collectives in other institutions in the country or abroad, scientific researchers or business owners in the domain. Professor Cordoș achievements in the domain of instrumental analysis, especially in spectrometric methods, are described in 205 papers, 128 of these being published in ISI indexed journals. He published five books: Electronics for Chemists, Ed. Stiintifica (1978), Atomic Absorption and Fluorescence Spectrometry, Ed. Academiei (1984), Analysis by Atomic Spectrometry, Ed. INOE (1998). Analysis by UV- Vis Molecular Absorption Spectrometry, Ed. INOE (2001), Analytical Atomic Spectrometry with Plasma Sources, Ed. INOE (2007); three chapters in books and a chapter in a megaencyclopedia devoted to analytical chemistry into the third millennium. To these should be added the studies, methods and instrumentation resulted from more than 100 projects and research contracts or grants covered as project director and 10 patents. A special note for the spectrometric systems based on radio frequency generated plasma sources, made before 1990 and continued through a series of projects to date and for the environmental projects in European programs. Under his leadership were presented 21 doctoral thesis and others are under development. Regarding the connection with Studia, Prof. Cordoș, as Dean, was Studia's responsible editor in 1990-92. He published his first papers in Studia in 1962, volume VII. Professor Cordoș is member of many professional societies among that stands: American Chemical Society, Romanian Society of Chemistry, Society for Applied Spectroscopy, International Society of Environmental Epidemiology, EURACHEM Romania (founding member). He was president of the first subsidiary in Cluj-Napoca of the Romanian Society of Chemistry and is president and founder of PROANALITICA XXI.

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