

PROFESSOR JÁNOS INCZÉDY



János Inczédý was born in Budapest, Hungary on 26 June 1923. His father was a lawyer, later Mayor of the town Vác. Inczédý attended the Piarist School in Vác, then he studied at the Faculty of Chemical Engineering of the Palatine Joseph Technical and Economics University, Budapest, from 1941, where he graduated as a chemical engineer in 1946, after a year break due to the war. He began his career as an industrial chemical engineer. In the years 1945–1951 he worked for the thermal power station Budapest and later in the leather industry. Between 1949 and 1951 he was deputy technical director of the Pannonia fur factory, Budapest. In 1951 he joined the staff of the Institute for General and Analytical Chemistry of the Technical University, Budapest, as a lecturer, later he was promoted senior lecturer and in 1968 reader. He took part in the teaching of chemical engineering students and carried out research in the field of chemical kinetics and analytical chemistry.

In the early 1950s he started research on ion exchangers and their applications.

In 1970 he was appointed full Professor and Head of the Department of Analytical Chemistry of the University of Veszprém and of the Research Group for Industrial Chemical Analysis of the Hungarian Academy of Sciences. For one academic year (1980/81) he was Rector of this University. He received the degree of dr. techn. from the Technical University of

Budapest in 1959, and the D. Sc. degree from the Hungarian Academy of Sciences in 1966. Inczédy initiated the introduction of courses of instrumentation and measurement techniques for graduate students at the Faculty of Chemical Engineering in Veszprém.

The main fields of his research activity are: Ion exchangers and their applications; the use of calculations of solution equilibria for designing new analytical procedures and process analytical chemistry and automation.

His book on Analytical Applications of Ion Exchangers was published first in Hungarian in 1962, in German in 1964 and in English in 1966. This English version was very well received by practising chemists and engineers all over the world, because in these years the book was the only up to date and comprehensive monograph available which included both the theory and applications of ion exchangers. The book on the Analytical Applications of Complex Equilibria was published in five languages and became very popular evidenced by the large number of references collected in the Citation Index. The book on Continuous and Automatic Analysis was published in 1982 in Hungarian and served as the basis of the new teaching program of chemical engineering students. The book contains the fundamentals and practice of the analytical chemistry of dynamic systems, and the quality control of the process streams.

Of the scientific achievements of Professor Inczédy and his coworkers in analytical chemistry the following points are to be mentioned, since they represent pioneering work:

- Use of oxidation - reduction reactions on ion-exchange columns
- Using informatory calculations based on solution equilibria in the design of new analytical procedures
- New theory for the characterisation of the homogeneity of solids
- Place and role of analytical measurement systems in the effectivity of the composition control of process streams.

As invited speaker or participant of Conferences Professor Inczédy presented lectures on his investigations in 17 countries of the world from the USA, Japan, ect.

He served following scientific Journals and book series: *Talanta*, *Reactive Polymers*, *Solvent Extraction and Ion Exchange*, *Magyar Kémiai Folyóirat*, *Középiskolai Kémiai Lapok*, *Studies in Analytical Chemistry*, *Comprehensive Analytical Chemistry*.

Since the year 1969 he was an active member of the Commission V.1. of the International Union of Pure and Applied Chemistry (Chairman in 1981-85; Member of Division V. in 1983-85).

He was Chairman of the Working Party of Automatic Analysis of the Hungarian Academy of Sciences in 1980-83 and is member of numerous

Hungarian and foreign chemical societies and committees. He was elected vice President (1976–81) and President of the Hungarian Chemical Society for two terms (1981–89). Since 1989 he has been honorary Co-President of the Society. Initiated and organised the Ion Exchange Symposia at Lake Balaton (in 1963, 1974, 1980, 1986, 1990). He was member of the Advisory Board of the European Federation of Chemical Societies (1975–80), Vice President of the Hungarian Federation of Old Students of Piarist Schools (1989–).

His awards and decorations include the Hungarian State Award (1980); MTESZ-Award (1983), Than Medal (Hung. Chem. Soc., 1977), Schulek Medal (Hung. Pharm. Soc., 1987); Gold medal Pro Universitate Vesprimiensi (1988); Honoris causa doctor of the Mendeleev University Moscow (1981). Corresponding member of the Hungarian Academy of Sciences (1993).