

## A BIOGRAPHICAL NOTICE

### 70<sup>th</sup> birthday of Professor PAVEL KADLEC, Dr.Sc.

PAVEL KADLEC was born on May 24<sup>th</sup>, 1940, in the south Bohemian town of České Budějovice. After finishing his study at the grammar school in Vodňany he was admitted to the Institute of Chemical Technology (ICT) in Prague where he studied at the Faculty of Food and Biochemical Technology (1957 – 1962).

After completing the studies, PAVEL KADLEC worked for two years as a chemist and technologist in the sugar plant Hodonín. In 1964, he started his PhD studies at the ICT in Prague. Here he met his future wife Libuše Kadlecová who works as a biochemist at the 1<sup>st</sup> Faculty of Medicine, Charles University in Prague. Three years later he was conferred upon the degree in Food Chemistry and Technology on the ground of his work on Ion-exchange Membranes in Sugar Technology. Then he became the teaching assistant at the Department of Carbohydrate Chemistry and Technology. In 1975 he earned the degree of reader in Sugar Technology, in 1988 he defended his Dr.Sc. thesis: “The properties of sugar solutions and by-products in sugar processing” and a year later he became a professor.

From 1981 till 1993 Professor KADLEC was head of the Department of Carbohydrate Chemistry and Technology, he also had worked as a vice dean of the Faculty of Food and Biochemical Technology (FFBT), vice-rector of ICT, and since 1994 till 2000 as a dean of FFBT.

His scientific and educational activities are extremely large and steadily connected with sugar technology. At the Department of Carbohydrate Chemistry and Technology he educated many students and professionals for sugar technology and food industry. Up to now, he still lectures on many subjects, e.g. Sugar Technology, General Food Technology and Food Technologies and Biotechnologies. He has been a supervisor of many diploma and PhD thesis.

One of his biggest contributions is the editorial work. He is an author and editor of many books, text books, and lecture notes for students and food professionals and technologists, e.g. “Sugar Technology Tables”. (1975) – authors: Bretschneider R., Boháčenko I., Kadlec P., Kopřiva B. and Svoboda A.; Kadlec P. (ed.): “Technology of Saccharides” (2000); Kadlec P. (ed.): “Technology of Food I and II” (2002); Kadlec P. (ed.): “Processes in Food and Biochemical Production” (2003); Kadlec P., Melzoch K., Voldřich M. (eds): “What you should know about food production” (2009), KEY Publishing Ostrava.

He is also a co-author of several monographs: e.g. „Sugar Technologists Manual – Chemical and Physical Data for Sugar Manufacturers and Users“ (1995), Verlag A. Bartens, Berlin (authors: Bubník Z., Kadlec P., Urban D. a Bruhns M.); „Sucrose, Properties and Applications“ (1995), Blackie Academic and Professional, London (eds. Mathlouthi M. a Reiser P.), and “Carbohydrate Chemistry in: Carbohydrates in Grain Legume Seeds“ (2001), CABI Publishing, Wallingford, UK (ed. Hedley C.).

His extensive scientific work is focused on the study of analytical methods for laboratory control in sugar production, modelling and computing of technological processes, measurement and calculation of physical properties of sugar solutions, sucrose crystallisation, changes in chemical properties of foods due to microwave heating, modern separation processes, and many others.

The respectable list of PAVEL KADLEC’s publications confirms his creativity, hard work and deep knowledge of many scientific disciplines. He is the author or a co-author of more than 150 papers (Zuckerindustrie/Sugar Industry, Journal of Food Engineering, Engineering in Life Sciences, Separation and Purification Technology, Czech Journal of Food Sciences, Food Science and Technology), 140 lectures, 120 posters, and 6 patents.

Pavel Kadlec is a leading representative of the food education, science, and research in the Czech Republic and abroad. He was a member of many international organisations (IUFOST, EFFOST, AEP),

coordinating committees for EU LINE (European information net), CABINET (Biotechnology of carbohydrates) and NOVEL (Electromagnetic heating of food) projects, scientific committee CITS-ESST and ICUMSA delegate. In the Czech republic, he was a chairman of the Czech Committee for Food Sciences and Technologies of the Academy of Science of the Czech Republic, he is a member of the editorial board of the “Czech Sugar and Sugar Beet Journal“ and a fellow of the Scientific Council of Faculty of Food and Biochemical Technology.

Because of his helpful, optimistic and modest character, Professor PAVEL KADLEC, Dr.Sc., belongs among favourite teachers, always ready to help, give advice and share his knowledge and rich professional experience with students and colleagues. He is an excellent example of friendly and tireless tutor, scientist and colleague. We wish him sincerely a happy birthday, happiness, health, and success in everything he does!

ZDENĚK BUBNÍK (Prague)