



**KRATOCHVÍL Pavel**, Prof., Ing., DrSc., Dr.h.c.  
Born February 6, 1930 in Prague

- Physical chemistry of polymers
- Member of *Learned Society* since 1994 (Founding Member)
- Member, Foundation for Support of Science of LS
- Vice-Chairman, 1996-2001
- Chairman, 2001-2003
- Vice-Chairman of Foundation, 2003

#### **Educational and professional preparation:**

- 1953, Ing., Institute of Chemical Technology (ICT);
- 1960, CSc., Institute of Macromolecular Chemistry (IMC), CSAS;
- 1968, DrSc., IMC;
- 1991, Associate Professor of macromolecular chemistry, ICT;
- 1992, Full Professor of macromolecular chemistry, ICT.

#### **Employment and academic positions:**

- 1953, technologist, Východočeské chemické závody (East Bohemia Chemical Works), Pardubice-Rybitví;
- 1953-1957, assistant lecturer and lecturer, ICT, Pardubice;
- 1957-1960, post-graduate student, Institute of Organic Chemistry and Biochemistry CSAS;
- 1960-present, Institute of Macromolecular Chemistry AS CR, scientist (1964, senior scientist; 1968, head scientist; 1990-1998, Director of the Institute)

#### **Membership in selected national scientific bodies:**

- 2001-present, Scientific Council (SC), AS CR, 1990-2003, ICT;
- 1990-present, University of Pardubice,
- 1992-present, Faculty of Technology, Tomáš Baťa University in Zlín;
- 1992-2003, Faculty of Chemistry, Brno University of Technology;
- 2002-present, Commission for Scientific Integrity, AS CR;
- 1990-present, Chairman; Czech Commission for UNESCO;
- 1990-present, Accreditation Commission, Working Group for Chemistry;
- 1995-2003, Commission for Awards, Minister of Education, Youth and Sports;
- 1999-present, Council of the Research Centre Programme;
- 1983-present, Vice-Chairman; Czech National Committee for Chemistry (1990-2001, Chairman)

#### **Membership in international organizations and societies:**

- 1990-present, Fellow, Royal Society of Chemistry, London;

- 1978-present, International Union of Pure and Applied Chemistry (member, number of committees and commissions; 1985-1991, Chairman of commission);
- 1986-present, International Symposia on Polymer Analysis and Characterization, USA, Governing Board Member;
- 1990-present, American Chemical Society;
- 1999-present, Society of Chemical Industry, UK;
- member, editorial boards of six international journals

#### **Notable awards:**

- 1970, National Prize for Science
- 1977, Prize of CSAS
- 1983, Silver Medal, Faculty of Natural Science, Charles University
- 1997, Gold Medal, Brno University of Technology
- 2000, J. Heyrovský Honorary Medal (for merit in the chemical sciences, AS CR)
- 2000, Doctor honoris causa, University of Pardubice
- 2002, Gold Memorial Medal, Faculty of Chemistry, Brno University of Technology

#### **Selected publications:**

- M. Netopilík, P. Kratochvíl: Polystyrene-equivalent molecular weight versus true molecular weight in size-exclusion chromatography. *Polymer* **44**, 3431 (2003)
- P. Kratochvíl, J. Stejskal: Chemical heterogeneity of copolymers and its characterization. *Polimery* **46**, 761 (2001)
- Z. Tuzar, P. Kratochvíl: Micelles of block and graft copolymers in solutions. *Surface and Colloid Science* **15**, 1 (1993)
- P. Kratochvíl: *Classical light scattering from polymer solutions*. Polymer Science Library, Vol.5, Amsterdam, Elsevier 1987
- Z. Tuzar, P. Kratochvíl: Block and graft copolymer micelles in solution. *Adv. Colloid Interface Sci.* **6**, 201 (1976)
- P. Kratochvíl: Particle scattering functions. In *Light Scattering from Polymer Solutions*. London, Academic Press 1972, pp 333-384
- Z. Tuzar, P. Kratochvíl: Light scattering. XVIII. The behaviour of polymers in mixed solvents. *Collect. Czech. Chem. Commun.* **32**, 3358 (1967)