



VELEMÍNSKÝ Jiří, RNDr., DrSc.

Born November 21, 1933 in České Budějovice

- Plant genetics, molecular genetics, environmental mutagenesis, nature of mutations, DNA damage and repair in higher plants
- Member of *Learned Society* since 1994 (Founding member)
- Member of LS Council, 1998 -2000

Educational and professional preparation:

- 1952, graduate, Jirsík academic secondary school, České Budějovice;
- 1952-1957, student in genetics, Faculty of Biology (FB), Charles University (CU), Prague;
- 1956-1960, assistant lecturer, Department of Biology and Fundamentals of Agriculture, Pedagogical Institute, Prague;
- 1964, CSc.; 1968, RNDr., FB, CU; 1988 DrSc., CU

Employment and academic positions:

- 1960-present, Institute of Experimental Botany (IEB), Czechoslovak Academy of Sciences (CSAS) (later, Academy of Sciences of Czech Republic, AS CR);
- 1964-present, scientist; 1990-1998, Director, IEB

Membership in selected domestic scientific bodies:

- 1990-1992, Member, Presidium of CSAS and member, Committee for Managing Institutes of CSAS in the Czech Lands (Chairman from October 1992 to February 1993)
- 1993-1998, Vice-Chairman, Council for Sciences of AS CR
- 1998-2001, member, Academy Council of AS CR;
- 2001-present, Vice-President of AS CR
- 1993-1997, member (for two years chairman, of Special Council for the Natural Sciences, Grant Agency of Czech Republic
- 2000-present, member, Scientific Council, Faculty of Science of CU
- 1996-1998, member, Scientific Council, Faculty of Biology, University of South Bohemia (USB) in České Budějovice
- 1998-present, member, Scientific Council, USB; editor for a number of years of *Biologické listy* and member of editorial board of *Mutation Research* (Elsevier)

Membership and positions in international organizations and societies:

- Member, European Environmental Mutagen Society (EEMS) (for a number of years)

- 1988-1992, member, Steering Committee of World Health Organization (WHO) programme focused on use of plants in detecting genotoxic substances in the external environment.

Notable awards:

- 1986, Award of CSAS

Selected publications:

- J. Velemínský, T. Gichner: DNA repair in mutagen injured higher plants, *Mutation Res.* **55**, 71-84, 1978
- J. Velemínský, J. Švachulová, T. Gichner: Endonucleases for UV-irradiated and depurinated DNA in barley chloroplasts. *Nucleic Acid Res.* **8**, 1373-1381, 1980
- J. Velemínský, *et al.*: Induction of proteinase K sensitive sites and *M. luteus* sensitive sites in barley embryos by sodium azide. *Mutation Res.*, **149**, 431-436, 1985
- J. Velemínský, T. Gichner (Eds.): DNA Damage and Repair in Higher Plants and Their Relation to Genetic Damage. *Mutation Research*, Special Issue, **181** (1), 1-315, 1987
- J. Velemínský, T. Gichner: Mutagenic activity of promutagens in plants. *Mutation Res.* **197**, 221-242, 1988
- T. Gichner, J. Velemínský: Inhibitors of nitroso compounds-induced mutagenicity. *Mutation Res.* **195**, 21, 1988
- J. Velemínský, K. Angelis: *DNA repair in higher plants*. In: *Mutation and Environment* (Mendelsohn, Albertini, Edits.). A. Wiley, Liss, New York 1990
- J. Velemínský, *et al.*: An *E. coli* ada transgenic clone of *Nicotina tabacum* var. Xanthi has increased sensitivity to mutagenic action of alkylating agents, maleic hydrazide and gamma rays. *Mutation Res.* **307**, 193-200, 1994