

## ANNIVERSARY

### The 60th Birthday of Professor Ilza Pajeva, D.Sc.



Professor Ilza Pajeva was born on 22 November 1953.

#### Professional background

##### Degrees held

- 2008 D.Sc. in Pharmacology, Bulgarian Academy of Sciences, Sofia
- 1989 Ph.D. in Biological Science, Bulgarian Academy of Sciences, Sofia
- 1978 M.Sc. in Chemical Cybernetics, Mendeleev Institute, Moscow, Russia.

#### Positions held

- 2004- Head of “QSAR and Molecular Modelling” department and Full Professor at Institute of Biophysics and Biomedical Engineering – Bulgarian Academy of Sciences, Sofia
- 1988-2004 Assistant Professor and Associate Professor at Centre of Biomedical Engineering – Bulgarian Academy of Sciences, Sofia
- 1981-1987 Ph.D. student and Research Associate at Centre of Biomedical Engineering – Bulgarian Academy of Sciences, Sofia
- 1978-1981 Specialist, Central Laboratory of Automation, Ministry of Chemical Production, Sofia.

#### Visiting appointments and fellowships

- 1995-2012 Visiting scientist at Universities of Halle and Bonn, Germany.
- 1992-1994 Research Fellow of the Alexander von Humboldt Foundation at Research Centre Borstel, Germany.
- 1991 Visiting scientist at German Cancer Research Centre, Heidelberg, Germany.
- 1989 Visiting scientist at Mendeleev Institute, Moscow, Russia.
- 1982 Visiting scientist at Latvian Academy of Sciences, Riga, Latvia.

#### Fields of research expertise

- Development and application of *in silico* structure- and ligand-based methods to drug design and assessment of risk of chemicals on human health and environment;
- Mechanisms and modulation of cancer multidrug resistance (MDR);
- Structure-function relationships and ligand interactions of proteins (ABC transporters and nuclear receptors);
- Drug-membrane interactions and artificial membranes.

### Research activities

More than 100 original papers, review articles and book chapters that have been cited more than 1160 times; more than 130 contributions to scientific conferences; 25 times invited speaker.

### Services

- Referee for peer-reviewed international journals: *QSAR*, *Biochem Pharmacol*, *Curr Drug Target*, *J Comput Aid Mol Design*, *QSAR&Combinat Sci*, *Current Cancer Drug Targets*, *Int J Quant Chem*, *Pharmac Res*, *J Theor Biology*, *J Med Chem*, *Drugs Future*, *Bioinformatics*, *Exp Opin Ttherap Patients*, *Letters in Drug Design and Discovery*, etc;
- Editor of *International Journal of BioScience*, *International Journal Bioautomation*, and *Studia Oncologica* (Bulgaria);
- Member of the *Scientific Board* of the *Institute of Biophysics and Biomedical Engineering* and of the *Executive Council* of the *Bulgarian Academy of Sciences*.
- Member of several professional societies, including *The QSAR and Modelling Society* and *Union of Scientists in Bulgaria*.

### Project and teaching activities

Prof. Ilza Pajeva has been a project leader of 9 projects founded by the National Science Fund (NSF) of Bulgaria or based on the bilateral agreement on international academic cooperation. Currently she leads a project with NSF and participates in a 7FP EU project.

Prof. Ilza Pajeva has supervised 4 Ph.D. students – two of them currently, while the other 2 are already well-established scientists. She has been also a supervisor of diploma students, as well as an invited lecturer in Master programs in University of Sofia, Faculty of Chemistry, and in University Paris-Diderot, Paris, France.

She is an ambassador-scientist of the *Alexander von Humboldt Foundation*, Germany.

In 2010 Prof. Ilza Pajeva has been awarded by the *Union of Scientists in Bulgaria* for her high scientific achievements.

**The Editorial Board of *International Journal of Bioautomation* wishes a lot of health and further achievements to Prof. Ilza Pajeva**