CURRICULUM VITAE

Personal data:

Name:	András Vilmos Kovács
Date of birth:	11. 06. 1948.
Nationality:	Hungarian
Marital status:	Married
Children:	Anna Kovács (25. 07. 1979.)
	András Kovács (17. 01. 1981.)
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Educational background:

1966-1971:	University of Chemical Engineering of Veszprém, Hungary.
1971:	Diploma in Chemical Engineering.
1975:	Dr. Tech. in Chemistry (University of Chem. Eng. Veszprém).
1990:	Candidate of Chemical Sciences (Ph.D), (Hungarian Academy of Sciences).

Place of work:

1971-date:	Institute of Isotopes of the Hungarian Academy of Sciences, Budapest, Hungary. The Institute is a Technical Support Organization of the Hungarian Atomic Energy Authority.

Positions held:

1971-1974:	Postgraduate fellow at the Radiation Chemistry Department. Research programme for the Dr. Tech. degree on the field of radiation decomposition of hydrocarbons.
1974-1988:	Research fellow at the Radiation Technology Department. Fields of activity: - Research, development and application of chemical dosimetry systems at ^{60}Co gamma- and electron irradiation facilities (2-10 MeV). - Operation of the pilot scale ^{60}Co gamma irradiation facility. - Dosimetry characterization of laboratory-, pilot- and industrial scale gamma- and electron irradiation facilities. - Process- and product qualification in gamma and electron radiation processing (medical device sterilization, food irradiation, polymer modification).
1988-1998:	Senior scientist at the Radiation Chemistry Department. Fields of activity: - Development, characterization and application of liquid and solid state chemical dosimetry systems for validation and routine process control at gamma and electron irradiation facilities. - Participation at the High Dose Co-ordinated Research Programmes of the International Atomic Energy Agency.
1998-date	Head of the Radiation Safety Department. Fields of research activities: - Development and application of chemical and physical dosimetry systems in environmental and radiation protection, medicine and radiation processing. - Gamma and electron irradiation facility qualification and process validation in gamma and electron radiation processing.

Foreign assignments:

- UNDP and IAEA fellowships at the University of Manchester (UK.,1977-78, 13 months;) and at Riso National Laboratory (Denmark, 1984 and 1988, 6 months).

- Visiting scientist at the Institute for Photochemistry and High Energy Radiation (CNR, Bologna, Italy, 3 months); at Whiteshell Laboratories of the Atomic Energy of Canada Ltd. (Pinawa, Canada, 8 months);

- Technical cooperation expert of the International Atomic Energy Agency in radiation processing dosimetry, dosimetry characterization of laboratory-, pilot- and industrial scale gamma and electron irradiation facilities (e.g. in Portugal, Peru, Syria, Jordan, Vietnam, Iran, Greece, Egypt, Lebanon, Indonesia, The Philippines, Saudi Arabia, Tunisia, Republic of South Africa, Ghana, Khazakhstan, Ukrain).

- Lecturer at regional training courses organized by the International Atomic Energy Agency on radiation processing dosimetry and process control (Japan, Malaysia, Algeria, Czech Republic, Ethiopia, Tunisia, Denmark, Hungary).

- Participant at Advisory Group Meetings, Consultants Meetings and Research Coordination Meetings of the International Atomic Energy Agency on radiation processing dosimetry, process control and radiation technology.

Academic assignments:

1981-1990:	Secretary of the Radiation Chemistry Section of the Hungarian Chemical Society.
1986-date:	Member of the Radiation Chemistry Committee of the Hungarian Academy of Sciences.
1990-1998:	Secretary of the Radiation Chemistry Committee of the Hungarian Academy of Sciences.
1998-2004:	Chairman of the Radiation Chemistry Section of the Hungarian Chemical Society.
2006-date:	Secretary of the Radiation Chemistry Committee of the Hungarian Academy of Sciences.

Publications:

Number of publications:	113 papers in international scientific journals, reviews, In books and in conference proceedings.
Independent citations:	334.
Number of lectures:	120 lectures at international conferences, meetings and training courses.

Experience in research and radiation processing :

1. Gamma and electron pulse radiolysis of liquid and solid state chemical dosimetry systems.
2. Operation and safety of laboratory- and pilot scale gamma irradiation facilities.
3. Chemical analysis of hydrocarbons and liquid and solid phase dosimetry systems using gas chromatography, spectrophotometry, oscillometry, conductometry and fluorimetry.

4. Application of liquid and solid state dosimetry systems for calibration, commissioning of gamma and electron irradiation facilities, process and product validation and routine process control in gamma and electron processing.

Teaching experience:

1. Lectures given at the University of Veszprém at the Institute of Radiochemistry and Radioecology in the field of radiation technology and process control.
2. Lectures given and practical exercises held at the University of Pavia (Italy) at the Master Course in Radiochemistry, Radiation Chemistry and Technology and Radiation Processing Dosimetry and Process Control.
3. Lectures given at the Regional Training Courses of the International Atomic Energy Agency in the Member States in the field of Radiation Technology, Food Irradiation, Radiation Safety of Irradiation Facilities and Radiation Processing Dosimetry and Process Control.

Budapest, 21. March, 2011.