

Dr Margit Osvay

Date of birth: February 9, 1940

Place of birth: Mád, Hungary

Marital status: married, 1 child

Education:

1958-63: Kossuth Lajos University of Sciences, Debrecen (Hungary).

1963: Graduated as physicist

1974: Dr of Univ. (M. Sc), thesis "Preparation and applications of p-type silicon detectors for measurements of high-dose rate gamma-rays",

1993: Candidate of Physical Science (C. Sc): thesis: "Investigation and preparation of aluminium oxide thermoluminescence detectors"

Professional Experience:

1963-71: Assistant Lecturer: Kossuth Lajos University, Debrecen (Hungary),

1971-93: Research Worker, 1993- Senior Scientist (Institute of Isotopes of the Hungarian Academy of Sciences, Budapest)

About 120 scientific publications and two chapters of books.

Citation: 110

Hungarian Patent: Preparation of $\text{Al}_2\text{O}_3:\text{Mg},\text{Y}$ ceramic thermoluminescence (TL) detectors) (1989)

1994-97: Hungarian coordinator of European Commission (EC) research project (PECO) "The measurement of environmental radiation doses and dose rates"

1994- **Member of European Radiation Dosimetry Group (EURADOS)**, Working Group 2, (contact person of Hungary on personal dosimetry)

2001- **Member of Solid State Dosimetry Organization (ISSDO)**

2003- Member of Scientific Advisory Committee of International Solid State Dosimetry Conferences

Current research interest:

Thermoluminescence dosimetry, radiation protection

Selection of publications:

- OSVAY M. and K. Tarczy, Measurement of gamma-dose rates by n- and p-type semiconductor detectors, *Physica Status Solidi (a)* 27 (1975) p. 285
- OSVAY M., T. Biró, Aluminium Oxide in TL Dosimetry, *Nuclear Instruments and Methods*, (1980) 175 p. 60
- OSVAY M. and T. Biró: Aluminium Oxide, in: D.R.Vij (Ed.) *Thermoluminescent Materials*, Prentice Hall Inc., USA (1993)
- OSVAY M., Measurements and Shielding Experiments Using Al₂O₃: Mg, Y TL Detectors, *Rad. Prot. Dosimetry* (1996) 66 p. 217
- OSVAY M. and M. Ranogajec-Komor 1999, LET dependence of high sensitivity TL dosimeters, *Rad. Prot. Dosimetry* 85, p.121
- OSVAY M. and S. Deme, Application of TL dosimeters for dose distribution measurements at high temperatures in nuclear reactors, *Rad. Prot. Dosimetry* (2006) 119 p.271

Budapest, 2008

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