



prof. RNDr. Milan Matolín, DrSc.

Born in 1932, graduated in Applied Geophysics at the Faculty of Science, Charles University in Prague, with honours, in 1958. He received the academic and scientific degree RNDr. in 1968, Ass. Professor in 1975, DrSc. in 1990. In 1991 he was appointed Full Professor in the field of applied geophysics and specialization in radiometric methods.

Since 1958 at the Faculty of Science, Charles University in Prague, in the field of applied geophysic. Lectures, courses and training in Radiometric Survey, Nuclear Geophysics, Uranium Prospecting, Uranium Ore Processing, Radon Prospecting, Radon Risk Mapping and Monitoring of the Natural Environment. External professor at the Faculty of Nuclear Sciences and Physical Engineering of the Czech Technical University in Prague. Pedagogical activity abroad: Germany, Iraq, Cuba, Denmark, PDR of Korea. Tutor of Czech and foreign postgraduate students, lecturer at the International Training Centre “World Nuclear University – School of Uranium Production”.

Expert activities:

He has taken part in many research projects in the Czech Republic and abroad in the field of the nuclear geophysics, radioactivity of rocks, prospecting of raw materials, uranium prospecting, airborne, ground and laboratory gamma-ray spectrometry, calibration facilities and calibration procedures for field radiometric instruments, radon prospecting, radon risk mapping, detection of nuclear fallout, monitoring and assessment of environmental radioactivity and compilation of radiometric maps. Author of the Map of radioactivity of rocks of Czechoslovakia 1:200000 (1973), designer of calibration facility for field gamma-ray spectrometers in Czechoslovakia (1976), consultant to the International Atomic Energy Agency (IAEA) for development of radiometric calibration facilities and geological reference materials for laboratory gamma-ray spectrometry (1987), co-author of the Radiometric map of the Czech Republic 1:500000 (1995), and co-author of the Methodology for radon risk mapping in the Czech Republic (1994, 2004 and 2017). Leading scientist for the establishment and use of radon reference sites (Czech Republic).

As an expert he participated in Twenty-one expert missions realized abroad in Europe, America, Asia and Africa oriented on uranium prospecting by airborne, ground, and laboratory gamma-ray spectrometry, radon survey, and mineral prospecting: 1964-1965 Cuba,, 1967-1969 Iraq, 1975 Egypt, 1978 Egypt, 1979 Morocco, 1980 Morocco, 1981 Morocco, 1982 Portugal, 1983 Morocco, 1985 Peru, 1987 Cuba, 1987 PDR of Korea , 1988 PDR of Korea, 1989 Cuba, 1990 PDR of Korea, 1990 Egypt, 1991 Egypt, 1991 Nicaragua, 1993 Mongolia , 1994 Mongolia , 1995 Albania. He also cooperated with the International Atomic Energy Agency (IAEA) - Division of Nuclear Fuel Cycle and Waste Technology as Consultant (since 1971), expert (since 1975) and adviser (since 1986).

Publications:

Author or co-author of 16 textbooks and monographies, 110 papers, 24 books-study materials, 86 research reports (out of it 17 for foreign governments). Invited co-author of seven issued Technical Documents/Monographies of the IAEA (1974, 1976, 1989, 1990, 2003, 2010 and 2013). Co-author of the European Atlas of Natural Radiation (2020).