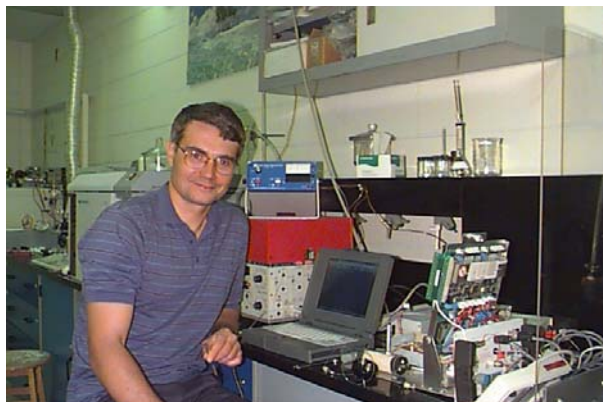


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The primary focus of Professor Pawliszyn's research program is the design of highly automated and integrated instrumentation for the isolation of analytes from complex matrices and the subsequent separation, identification and determination of these species. Currently his research is focusing on elimination of organic solvents from the sample preparation step to facilitate on-site monitoring and analysis. Several alternative techniques to solvent extraction are investigated including use of coated fibres, packed needles, membranes and supercritical fluids. Dr. Pawliszyn is exploring application of the computational and modeling techniques to enhance performance of sample preparation, chromatographic separations and detection. The major area of his interest involves the development and application of imaging detection techniques for microcolumn chromatography and capillary electrophoresis.

He is an author of over 300 scientific publications and a book on Solid Phase Microextraction. He is a Fellow of Chemical Institute of Canada and a member of the Editorial Board of Journal of Separation Science, Analyst, Trends in Analytical Chemistry and Chemia Analityczna. He received the 1995 McBryde Medal, the 1996 Tswett Medal, the 1996 Hyphenated Techniques in Chromatography Award, the 1996 Caledon Award, the Jubilee Medal 1998 from the Chromatographic Society, U.K., the 2000 Maxxam Award, the 2000 Varian Lecture Award from Carleton University, the Alumni Achievement Award for 2000 from Southern Illinois University, the Humboldt Research Award for 2001, 2002 COLACRO Medal and 2003 Canada Research Chair. He presently holds the Canada Research Chair and NSERC Industrial Research Chair in New Analytical Methods and Technologies.