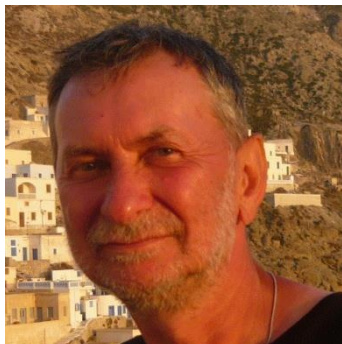# Aleksander Bilewicz

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Education:

1971-76:	University studies at the Warsaw University - Department of Chemistry
1976:	MSc in Chemistry - Warsaw University.
1986:	PhD in Chemistry - Technical University of Warsaw
1998:	DSc in Chemistry - Institute of Nuclear Chemistry and Technology
2006:	Professor

Career/Employment:

2006 -	Full Professor
1998 – 2006	Assoc. Prof. Institute of Nuclear Chemistry and Technology
1986 – 1998	adjunct, Institute of Nuclear Chemistry and Technology
1976 – 1986	assistant, Institute of Nuclear Chemistry and Technology

Scientific visits

1989,	Paul Scherrer Institute, Villigen, Switzerland, IAEA fellowship
1990, 1992,	Paul Scherrer Institute, Villigen, Switzerland, research contracts
1991, 1993, 1995	Lawrence Berkeley Laboratory, University of California, Berkeley, USA, research contracts
1998, 2004,	Joint Institute of Nuclear Research, Dubna, Russia, cyclotron experiment
2005,2006	Chalmers Technical University, Goeteborg, Szwecja, scientific visit in the field of radiopharmaceutical chemistry
2006, 2007	Instituto Tecnológico e Nuclear, Sacaven, Portugal, scientific visit in field of radiopharmaceutical chemistry

Fields of interest:

- accelerator and reactor production of radionuclides: ^{43}Sc, ^{44}Sc, ^{47}Sc, ^{211}At, ^{105}Rh, ^{193m}Pt, ^{195m}Pt
- complexes of ^{47}Sc, ^{103m,105}Rh, and ^{211}At as precursors of therapeuti radiopharmaceuticals,
- barium ferrite nanoparticle – trastuzumab bioconjugate labeled with ^{223}Ra for alpha immunotherapy and magnetic hyperthermia ,
- ^{211}At-gold cluster– trastuzumab radiobioconjugates for radioimmunotherapy
- ^{195m}Pt labelled platinum nanoparticles in hepatocellular carcinoma (HepG2) treatment

Number of papers in refereed journals: 101
Number of communications to scientific meetings: 315