



Stefan Lis - professor of chemistry, at the Department of Rare Earths, Faculty of Chemistry, Adam Mickiewicz in Poznan (AMU), Poland. In the years 2003-2020 he was the head of the Department of Rare Earths.

He received his M.Sc. in chemistry from AMU in 1976. He began his scientific work at AMU in 1979, obtained his PhD in chemistry in 1986, habilitation in 1995, and the title of professor in 2003. Completed postdoctoral fellowships at the University of Florida (Gainesville, 1988-1899), at the Florida State University (Tallahassee, 1989-1991 and 1993-1994). He was a research fellow or visiting professor in research centers in Japan (Japan Atomic Energy Research Institute, (2000), and Tokyo University of Science (2004 and 2006)), in the USA, Germany, the Czech Republic, Belgium, Spain, Brazil and China.

He conducts basic and application research in the field of synthesis, structural and spectroscopic characterization of numerous groups of compounds, complexes and nanomaterials, mainly based on rare earth ions. The research concerns emission processes (photo-, chemiluminescence), Structural and photophysical (sensitized luminescence, mechanisms of energy transfer and quenching processes) studies of Ln systems. Development of new analytical methods for the determination of biochemically important substances based on Ln(III) luminescence. Complexation, structural, spectroscopic studies of lanthanide and uranyl compounds (with inorganic and organic ligands) in solutions and solid state. Synthesis strategy, photophysical characterization and structural studies of inorganic nanomaterials (nanoluminophors and up-converting luminophors) doped with Ln(III). Synthesis and physicochemical characterization of multifunctional nanostructures, core/shell type hybrid nanoparticles doped with Ln(III) ions and their surface functionalization, cytotoxicity analysis, application of lanthanide containing nanoparticles in biology (bioimaging, biomarkers), nanomanometry, nanothermometry, anti-counterfeiting systems, etc.

Prof. Stefan Lis is the author/co-author of more than 300 scientific publications, 246 from the JCR list, index $h = 34$, 4572 citations (Scopus), $h = 38$, 5370 citations (Google Scholar). He is the author of 2 books, several book chapters, book editor, and the author of 8 patents.

He delivered over 90 invited (10 plenary) lectures at scientific conferences and congresses, and was the chairman and/or member of many scientific committees of international conferences; the manager of 11 research projects awarded in national and 2 international competitions. He promoted 11 doctors, currently a supervisor of 5 doctorates, and 94 masters of chemistry. He was a reviewer of 37 doctoral dissertations, 16 postdoctoral dissertations and 16 applications for the title of professor, and one honorary doctorate. He has been awarded, among others, the Minister of Science (team award 1989), Gold Medal for Long Service by the President of Poland (2012), Medal of Jan Zawadzki of the Polish Chemical Society (2016) for research excellence, Honorary Membership Dignity of the Polish Chemical Society (2018) for outstanding scientific achievements and a particularly important contribution to Polish chemistry.