

George KAPTAY



📍 Egyetemvaros, Miskolc, Hungary, 3515

☎ +36 30 4150002

✉ kaptay@hotmail.com

🌐 www.uni-miskolc.hu, www.kaptay.hu

POSITION professor, head of Department on Nanotechnology

EDUCATION AND WORK EXPERIENCE

George Kaptay (57) is a professor, head of department of Nanotechnology at the University of Miskolc, Hungary. He is a metallurgical engineer (1984, Leningrad Polytechnic, USSR) and PhD (1988, same institution). Habilitated (1998) and professor (since 1999) at the University of Miskolc, Hungary. Got his DSc (Doctor of Science) from the Hungarian Academy of Sciences in 2005, and was elected as corresponding member of the same Academy in 2016 (he is the only Miskolc-based member of the Academy working at the University of Miskolc below the age of 70). Got the “best Calphad-paper” award in 2015 (Calphad is an Elsevier journal, devoted to Calculation of Phase Diagrams).

His area of expertise is chemical metallurgy, materials science, chemical thermodynamics including nano-thermodynamics, modelling physico-chemical properties, synthesis of high-surface area materials (composites, foams, emulsions, etc.). Published 106 papers in international journals with cumulative impact factor of 158 (and partial cumulative impact factor of 89). Got more than 2,000 independent citations (about half of them is visible in Web of Science, Advanced Search). His h-index based on his independent citations is 22 (18 according to Advanced Search of Web of Science). In addition to international journal papers he published 1 book, 13 book chapters, 120 papers in conference proceedings and additional 106 papers in other journals. He filed 10 patents and was a reviewer for more than 800 manuscripts.

Currently he is teaching in both Hungarian and English languages the following subjects at the University of Miskolc: Equilibrium of bulk materials, Interfacial nano-phenomena, Art of Doing Science. He made 428 presentations at conferences, 25 of them invited / plenary. He is a president of the Hungarian Society of Materials and president of the Committee on Materials Science and Engineering at the Miskolc branch of the Hungarian Academy of Sciences.

George Kaptay was a founding director of the research institute “BAY-NANO” in 2006. He still works part time as a head of department and research-professor for this organization called today Bay Zoltan Ltd for Applied Research, having 150 researchers in Hungary. Currently he is a scientific leader of a new project (March 2017 – February 2020) on Nanosciences at the University of Miskolc. Prof. Kaptay is already announced as a new head of research group of the Academy of Sciences at the University of Miskolc on amorphous and nano-materials from July 2017 till June 2022.