Brandusa Ghiban is Full Professor in Materials Science and Engineering Faculty from University Politehnica of Bucharest, having more than 35 years of research experience. She has led many national / international research projects and more than 100 projects for private companies, five inventions with industrial applicability, many technical judicial expertise's and over 80 scientific papers indexed in Web of Science ISI THOMSON. She is a specialist in evaluation of structural characteristics of (bio) metallic materials (stereomicroscopy, optic metallography, fractography, X-Rays diffraction, corrosion evaluation of the metallic materials in different environments). She is: founding member of the Romanian Society of Metallurgy (from 1990), member of the ASM Romania (from 1992), founding member of the Institute of Metallurgical Forecasting in the Balkan countries (beginning 1999), member of the Romanian Society for Biomaterials (from 2004), member of the Board representative ERASMUS-PUB (from 1996), member of the Board representative of National Institute of Rare Metal, National Evaluator projects (ANSTI, RELANSIN, MATNANTECH, CNCSIS, UEFISCDI), European Expert Bruxelles FP7 projects (evaluation RFSC). She constantly supervises large teams of students from different education levels (PhD, MSc and BSc).