



Anniversary

It is my great honor and pleasure to dedicate this issue of the Archives of Metallurgy and Materials of the Polish Academy of Sciences to Professor Bogusław Major on the occasion of his 70th anniversary. He is one of the most prominent and world-recognized researcher in the area of metallurgy and materials science, working in a wide spectrum of knowledge, comprising in the chronological order of his activity: crystallographic texture, plastic deformation, recrystallization of metallic materials, phase transformations, surface engineering focused on the laser modification by remelting and laser alloying, pulsed laser deposition and recently bio-medical engineering.

His professional and scientific career has been associated with the Aleksander Krupkowski Institute of Metallurgy and Materials Science of the Polish Academy of Sciences in Cracow.

He received the M.S. degree from the Faculty of Non-Ferrous Metals of the University of Mining and Metallurgy in 1970, and Ph.D. and D.Sc. from the Institute of Metallurgy and Materials Science of the Polish Academy of Sciences in 1976 and 1989, respectively. The titular professor he received from the President of the Republic of Poland in 2003.

Since 1970 he has been working for the Institute of Metallurgy and Materials Science of the Polish Academy of Sciences in Cracow, where he is now a full professor. In the period 2003 to 2011 he was the Main Director of the Institute of Metallurgy and Materials Science of the Polish Academy of Sciences in Cracow and formerly in the period 1999-2003 the Deputy Director for Scientific Research at the Institute,

In 2010 he was elected as a Corresponding Member of the Polish Academy of Sciences. Since 2010 he has been a Chairman of the Committee on Materials Science of the Polish Academy of Sciences. Professor Major currently is a co-editor of the Archives of Metallurgy and Materials of the Polish Academy of Sciences as well as the Bulletin of the Polish Academy of Sciences, Technical Sciences. His research interest is spread from metallurgy to materials engineering focusing recently on the bio-medical coatings. His main research achievements comprises: description of inhomogeneity of deformation and recrystallization texture in fcc metals and alloys with special attention to microstructure evaluation and stored energy; contribution of the third elements to the phase transformation in Al-Zn base alloys; laser modification of structure of aluminium as well as commercial carbon constructional steels and high speed steels by the laser remelting and alloying using carbides

and borides; analysis of deposition parameters during PVD with attention to microstructure, non-equilibrium phases and residual stresses in mono- and multilayer coatings on the basis of titanium and carbon deposited onto metallic and non-metallic substrates for bio-medical applications.

To all these topics Professor Major has contributed with almost 300 papers in peer review research journals, conference proceedings and chapters of monographs. Professor Major published papers in many international journals: *Archives of Metallurgy and Materials*; *Bulletin of the Polish Academy of Sciences-Technical Sciences*; *Archives of Civil Engineering*; *Vacuum*; *Advanced Engineering Materials*; *Metals Technology*; *Metallurgical Transactions A*; *Materiaux et Techniques*; *Texture of Materials*; *Zeitschrift Metallkunde*; *Scripta Metallurgica et Materials*; *Plasma Processes and Polymers*; *Journal of Microscopy-Oxford*; *e-polymers*; *Thin Solid Films*; *Praktische Metallographie*; *Materials Chemistry and Physics*; *Applied Surface Science*; *Journal of Materials Science Letters*; *Applied Physics A- Materials Science & Processing*; *Surface Coating Technology*; *Royal Society of Chemistry – RSC Advances*.

Professor Major currently is a chairman of the Scientific Board of the Institute of Metallurgy and Materials Science. His activity in education has been joined with the PhD Studies at the Institute of Metallurgy and Materials Science of the Polish Academy of Sciences as the lecturer on “Introduction to materials science” and “Surface engineering”. He was a supervisor of 6 doctoral dissertations and referee of 20 Ph.D. thesis, 16 habilitations (D.Sc.) and 10 professors applications.

He was awarded by: the Officer’s Cross of Polonia Restituta Order and the Knight’s Cross of Polonia Restituta Order.

On his 70 anniversary, we wish him all the best – many happy years to come, with continuous scientific successes and satisfaction of his and his students’ achievements in the field of materials science.

Pawel Zięba

Editor-in-Chief

*of the Archives of Metallurgy and Materials
of the Polish Academy of Sciences*