

Professor Marek Kowalczuk

CURRICULUM VITAE

Date and Place of Birth: 17 February 1951, Zabrze, Poland

Contact details

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Academic Qualifications: Appointment of Professor in Chemistry by the President of the Republic of Poland (2010); Habilitation in Technical Science, Silesian University of Technology, Gliwice, Poland (1994); Ph.D. degree in Chemical Science, Silesian University of Technology, Gliwice, Poland (1984); Master degree in organic chemistry and technology, Silesian University of Technology, Gliwice, Poland (1973)

Present Positions Held: Professor at the Centre of Polymer and Carbon Materials Polish Academy of Sciences, Zabrze, Poland

Positions formerly held: Visiting professor at the Ohio State University, OH, USA (2020); Professor in synthetic polymer chemistry, University of Wolverhampton, UK (2013- 2019); Director for development at the Centre of Polymer and Carbon Materials Polish Academy of Sciences, Zabrze, Poland (2007- 2011); Director of the Centre of Polymer Chemistry Polish Academy of Sciences, Zabrze, Poland (2002-2006); Scientific Secretary of the Centre of Polymer Chemistry Polish Academy of Sciences, Zabrze, Poland (1995-2001).

Awards: Gold Cross of Merit – awarded by the President of Republic of Poland (2014); Golden Honorary Medal for Merit for the Province of Silesia - awarded by the Parliament of the Province of Silesia (2014); Silver medal at the International Exhibition of Innovations in Geneva (2013); Golden medal Brussels Eureka! (2012)

Experience:

Coordination of European projects: European Regional Development Fund under the Innovative Economy Program, Key Project MARGEN, POIG.01.03.01-00-018/08 (2009-2013); 6FP UE - FP6-509232 - BIOMAHE “*Biodegradable polymeric materials for health and environment – Centre of Excellence*” (2004-2008); EUREKA E! 3420 BIOTEXTIL “*Bioresorbable textile materials from biodegradable polyester blends*” (2004-2007)

Participation in 6 EU FP projects.

Research interests: Main scientific interests are biodegradable and functional polymers, novel initiators and mechanisms of anionic polymerization related to the synthesis of biodegradable polymers possessing desired architecture, biodegradation of synthetic and natural polymers as well as novel mass spectrometry techniques for analysis of biodegradable polymers at the molecular level. Current research involves structural studies of biocompatible copolymers and blends of controlled biodegradability containing synthetic analogues of natural polyhydroxy-alkanoates and copolymerisation reactions to novel polymeric materials with “made-to-order” structure and properties with variety of catalysts (including metal free anionic initiators) as well as forensic engineering of advanced polymeric materials.

International recognition: General Secretary of the Central and East European Polymer Network (2007-present), President of the Central and East European Polymer Network (2005-2006); Expert - biodegradable polymers ICS UNIDO Trieste, Italy (1999-2006)

Professional Activities: Member of the Chemistry Committee of the Polish Academy of Sciences; Member of the Scientific Research Board at the Centre of Polymer and Carbon Materials, Polish Academy of Sciences; Invited lecturer - Université de Bretagne Occidentale, Brest (2017); Invited lecture at the University of Bologna, Italy (2016); Member of Management Committee of COST Action TD1203 Food Waste Valorisation For Sustainable Chemicals, Materials & Fuels (EUBIS) (2015-2016); Member of evaluation panel of the Centre of Biotechnology and Biomedicine of the Czech Academy of Sciences and Charles University (BIOCEV) (2015); Vice Chairman of Material Science evaluation panel of Swedish Research Council (2013).

Scientific contributions statistic:

- Total number of peer-reviewed papers: over 200 (including 34 in ACS Journals: Journal of the American Chemical Society; Macromolecules; Journal of Organic Chemistry and Biomacromolecules).
- Books and book chapters: 2 and 7
- Conference invited lectures: over 50
- Patents: 14 including 3 European Patents
- Total number of citations (Web of Knowledge) without self-citations: over 2700
- H-index (Web of Knowledge): 48 from Google Scholar

Publications:

List of publications is available at:

<https://scholar.google.com/citations?user=Y2r61j4AAAAJ&hl=pl>

Supervising and mentoring activities: Supervisor of 9 PhD students (plus 2 in progress), 5 Postdoc fellows and mentor of two candidates for professor position.

