

MEET THE GUEST EDITOR

Grzegorz Bazylak

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Born in Wrocław, Poland, in 1953, Grzegorz Bazylak studied food chemistry (1974-1979) at the Technical University of Lodz (Lodz, Poland), where he also received his Ph.D. degree (1990) in technical sciences with a thesis entitled, "Studies on the association processes of amines and multidentate tricyclic Schiff base nickel(II) chelates." Subsequently, he joined as an Adjunct Professor the Hygienics Department (1991-1997) and the Institute of Physiology & Biochemistry (1997-2001) at the Faculty of Medicine, Medical University of Lodz (Poland). In 1996, with a fellowship from The British Council, he was a Short Term Visiting Scientist at the Zeneca SmithKline Beecham Centre for Analytical Science, Department of Chemistry, Imperial College of Science, Technology & Medicine (London, UK) where he collaborated with Professor Colin F. Poole and Professor Andreas Manz. In years 2001 – 2003, with a scholarship from the Ministerie van de Vlaamse Gemeenschap (Flanders, Belgium), he moved to the University of Antwerpen (Belgium) as a Postdoctoral Fellow in the research groups of Prof. Luc J. Nagels, Prof. Herman J. Geise, Prof. Achiel Haemers, and Prof. Koen Augustyns. In 2003, he returned for his D.Sc. degree (habilitation) in pharmaceutical sciences at the Medical University of Gdansk (Poland) with a thesis entitled, "Chromatographic screening and potentiometric microdetection of adrenolytics employing supramolecular effects." In 2002, he was appointed Adjunct Professor in the Department of Drug Chemistry, Faculty of Pharmacy, The Ludwik Rydygier Medical University in Bydgoszcz (Poland). In July 2004, he accepted a position as an Associate Professor at the Department of Pharmaco-Bromatology & Molecular Nutrition in the same institution and, after fusion of local universities in November 2004, has been continuing this appointment until today at the Collegium Medicum Nicolaus Copernicus University (Bydgoszcz, Poland). In years 2003-2006, he was an Institutional Coordinator of the European Socrates-Erasmus Programs in both universities. In conjunction with Prof. Jan Biernat, Prof. Renata Bilewicz, Prof. Marek Pietraszkiewicz, Prof. Jerzy Radecki, Prof. Zbigniew Brzozka, Prof. Wanda Radecka-Paryzek, Prof. Lucjan Piela, and Prof. Grzegorz Schroeder, he co-founded in 1997 the Polish Supramolecular Chemistry Network Foundation (Warsaw, Poland). He has served as a Guest Editor of leading international journals including *Combinatorial Chemistry & High Throughput Screening* (2000, 2004, 2007), *Frontiers in Bioscience* (2007) and *Current Drug Discovery Technologies* (2007). He is also the recipient of the Individual Scientific Award of the Polish Ministry of Health (2003) and the Polish Pharmaceutical Society (2004). He is (co-)author of approximately 150 scientific publications. His current research efforts focus on the development of supramolecularly driven high-throughput screening nanoseparation and nanodetection techniques for drugs and food components, supramolecular farmacochemistry, farmacobromatology, nutreogenomics and molecular nutrition.

SELECTED PUBLICATIONS

- [1] H. Chaberska, H. Kaczmarek, **G. Bazylak**: Viability of murine 3T3 fibroblasts on the poly(methyl methacrylate) surface modified by constant UV irradiation, *Polim. Med.*, **2007**, 27(3), 13-19.
- [2] A. Jaworowska, **G. Bazylak**: Residential factors affecting nutrient intake and nutritional status of female pharmacy students in Bydgoszcz, *Rocz. Państw. Zakł. Hig.*, **2007**, 58, 245-251.
- [3] Jaworowska, **G. Bazylak**: Obesity development associated with viral infections, *Postepy Hig. Med. Dosw.*, **2006**, 60, 227-236.
- [4] Jaworowska, A. Malak, **G. Bazylak**: Slimming diets, food intake and nutritional status of pharmacy students in Bydgoszcz, *Bromat. Chem. Toksykol.*, **2006**, 39 Suppl. 581-585.
- [5] **G. Bazylak**, L.J. Nagels: Potentiometric detection of beta-adrenolytic and beta-adrenergic drugs in HPLC systems, *Postepy Hig. Med. Dosw.*, **2005**, 59, 554-569.
- [6] **G. Bazylak**, L.J. Nagels, H.J. Geise: Potentiometric quasi-array employing calixarene derivatives for the high-throughput similarity/diversity screening of beta-adrenergic and beta-blocking chiral drugs by HPLC, *Comb. Chem. High Throughput Screen.*, **2004**, 7, 345-359.
- [7] Buszewski, K. Krupczynska, **G. Bazylak**: Effect of stationary phase structure on retention and selectivity tuning in the high-throughput separation of tocopherol isomers by HPLC, *Comb. Chem. High Throughput Screen.*, **2004**, 7, 383-391.
- [8] **G. Bazylak**: Pharmacogenomic aspects of adrenergic receptors polymorphism in ethiology and therapy of some cardiovascular diseases. A review, *Ann. Acad. Med. Bydgosciensis*, **2006**, 18, 61-71.
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- [10] L.J. Nagels, **G. Bazylak**, D. Zielińska: Designing potentiometric sensor materials for the determination of organic ionizable substances in HPLC, *Electroanalysis*, **2003**, 15, 533-538.
- [11] **G. Bazylak**, L.J. Nagels: Simultaneous high-throughput determination of clenbuterol, ambroxol and bromhexine in pharmaceutical formulations by HPLC with potentiometric detection, *J. Pharm. Biomed. Anal.*, **2003**, 32, 887-903.
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- [14] **G. Bazylak**, L.J. Nagels: Potentiometric detection of exogenic beta-adrenergic substances in liquid chromatography, *J. Chromatogr. A*, **2002**, 973, 85-96.
- [15] **G. Bazylak**, L.J. Nagels: Potentiometric detection of N,N'-diethylaminoethanol and lysosomotropic aminoalcohols in cation exchange high-performance liquid chromatography systems, *Anal. Chim. Acta*, **2002**, 472, 11-26.