

Curriculum Vitae

JOANNA GIEBULTOWICZ

Personal details

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Academic degrees	Master of Pharmacy 2006 PhD in Pharmacy 2011 DSc (habilitation) in Pharmacy 2017
Nationality	Polish
Current Occupation	Associate Professor, Medical University of Warsaw, Poland
Identifiers (publications)	ORCID:0000-0002-2567-4453 Scopus ID:16549617200 ReasercherID:M-5956-2018
h-factor / citations:	10/303 (Scopus)
Numer of publications:	46

Education and scientific career

2011-present	Assistant Professor, Department of Bioanalysis and Drug Analysis, Medical University of Warsaw, Poland
2011-2012	Postgraduate study of Laboratory Medicine, Medical University of Warsaw, Poland
2010-2011	Research assistant, Medical University of Warsaw, Poland
2011	PhD in Pharmacy, Medical University of Warsaw, Poland
2010	Research scholarship, Department of Pharmacy in UCLAN University in Preston, England
2006	MSc in pharmacy, Medical University of Warsaw, Poland

Main areas of research

- Development, validation and application of various analytical methods to the determination of pharmaceuticals in clinical and environmental matrices (e.g. plasma, *post mortem* blood, wastewater, sludge)
- Development of novel extraction methods for pharmaceuticals and metabolites e.g. cloud point extraction, SPE on molecular imprinted sorbent
- Detection and structure elucidation of unknown metabolites, impurities and degradation products of pharmaceuticals and ingredients of dietary supplements
- Application of liquid chromatography coupled with tandem mass spectrometry, in targeted and untargeted metabolomics (especially pharmacometabolomics)
- Determination of the role of salivary aldehyde dehydrogenase and oxidative stress in physiological state and in pathology (oral pathologies, ocular diseases)

Recent supervision, teaching and outreach experience

2018-present	Supervision of five PhD students in bioanalytical chemistry and biochemistry
2017	Member of the organizing committee of 43rd International Congress for the History of Pharmacy
2011-present	Supervision of 22 MSc students in bioanalytical chemistry and biochemistry
2015-present	Co-supervision of four PhD students in bioanalytical chemistry and biochemistry
2007-present	Co-supervision of 24 MSc students
2007-present	Lecturing in analytical chemistry, biopharmacy and application of mass spectrometry in pharmacy

Professional memberships

Polish Pharmaceutical Society
Polish Society of Mass Spectrometry

Reviewer for scientific journals

Molecules, Journal of Chromatography A, Chemical Papers, Science of the Total Environment, Journal of Pharmacy and Pharmacology, Environmental Science and Pollution, Clinical Chemistry and Laboratory Medicine, Ecotoxicology and Environmental Safety, Talanta

Research grants

1. PharmOPTIM.PL - a center for optimization and individualization of pharmacotherapy, concept and pilot implementation (Ministry of Science and Higher Education, Poland, MinDIALOG 0305/2018), project coordinator at the Department
 2. Occurrence of pharmaceuticals and its metabolites in Vistula–National Science Center, Poland, UMO-2011/03/B/NZ7/00751- key researcher
 3. Does the ALDH3A1 sequence variations influence the risk of cataracts? Medical University of Warsaw, Faculty of Pharmacy, grant No. FW27/PM33/14 - principal investigator.
 4. Can uremic toxin be a marker of transplanted kidney dysfunction? Medical University of Warsaw, Faculty of Pharmacy, grant No. FW27/PM33D/15-investigator
 5. ALDH3B2 pseudogene or functional gene – Medical University of Warsaw, Faculty of Pharmacy, grant No. FW27/PM31D/12 - principal investigator.
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Research awards

2018	Rector's award of third grade for scientific achievements
2017	Rector's award of second and third grade for scientific achievements
2016	Two Rector's award of second grade and one of third degree for scientific achievements
2015	Rector's award for research achievements
2012	Rector's award of second grade for scientific achievements

Recent key publications

1. Arlouskaya, Y., A. Sawicka, M. Glowala, **J. Giebultowicz**, N. Korytowska, M. Talalaj, G. Nowicka, and M. Wrzosek. "Asymmetric Dimethylarginine (Adma) and Symmetric Dimethylarginine (Sdma) Concentrations in Patients with Obesity and the Risk of Obstructive Sleep Apnea (Osa)." *J Clin Med* 8, no. 6 (Jun 23 2019). <https://dx.doi.org/10.3390/jcm8060897> (IF=5.688)
2. **J. Giebultowicz***, M. Sobiech, M. Ruzycza, and P. Lulinski. "Theoretical and Experimental Approach to Hydrophilic Interaction Dispersive Solid-Phase Extraction of 2-Aminothiazoline-4-Carboxylic Acid from Human Post-Mortem Blood." *J Chromatogr A* 1587 (Feb 22 2019): 61-72. <https://doi.org/10.1016/j.chroma.2018.12.028> (IF=3.858)
3. Kojro, G., P. J. Rudzki, D. M. Pisklak, and **J. Giebultowicz***. "Matrix Effect Screening for Cloud-Point Extraction Combined with Liquid Chromatography Coupled to Mass Spectrometry: Bioanalysis of Pharmaceuticals." *J Chromatogr A* 1591 (Apr 26 2019): 44-54. <https://doi.org/10.1016/j.chroma.2019.01.031> (IF=3.858)
4. Korytowska, N., B. Sankowski, A. Wyczalkowska-Tomasik, L. Paczek, P. Wroczynski, and **J. Giebultowicz***. "The Utility of Saliva Testing in the Estimation of Uremic Toxin Levels in Serum." [In eng]. *Clin Chem Lab Med* 57, no. 2 (Dec 19 2018): 230-37. <https://doi.org/10.1515/cclm-2018-0087> (IF=3.638)
5. **J. Giebultowicz***, N. Korytowska, B. Sankowski, and P. Wroczynski. "Development and Validation of a LC-MS/MS Method for Quantitative Analysis of Uraemic Toxins P-Cresol Sulphate and Indoxyl Sulphate in Saliva." *Talanta* 150 (Apr 1 2016): 593-8. <https://doi.org/10.1016/j.talanta.2015.12.075> (IF=4.162)
6. **J. Giebultowicz***, and G. Nalecz-Jawecki. "Occurrence of Immunosuppressive Drugs and Their Metabolites in the Sewage-Impacted Vistula and Utrata Rivers and in Tap Water from the Warsaw Region (Poland)." *Chemosphere* 148 (Apr 2016): 137-47. <https://doi.org/10.1016/j.chemosphere.2015.12.135> (IF=4.208)
7. **J. Giebultowicz***, M. Ruzycza, M. Fudalej, P. Krajewski, and P. Wroczynski. "LC-MS/MS Method Development and Validation for Quantitative Analyses of 2-Aminothiazoline-4-Carboxylic Acid--a New Cyanide Exposure Marker in Post Mortem Blood." *Talanta* 150 (Apr 1 2016): 586-92. <https://doi.org/10.1016/j.talanta.2015.12.076>(IF=4.162)
8. Lulinski, P., **J. Giebultowicz**, P. Wroczynski, and D. Maciejewska. "A Highly Selective Molecularly Imprinted Sorbent for Extraction of 2-Aminothiazoline-4-Carboxylic Acid--Synthesis, Characterization and Application in Post-Mortem Whole Blood Analysis." *J Chromatogr A* 1420 (Nov 13 2015): 16-25. <https://doi.org/10.1016/j.chroma.2015.09.083> (IF=3.926)
9. Stankiewicz, A., **J. Giebultowicz**, U. Stankiewicz, P. Wroczynski, and G. Nalecz-Jawecki. "Determination of Selected Cardiovascular Active Compounds in Environmental Aquatic Samples--Methods and Results, a Review of Global Publications from the Last 10 Years." *Chemosphere* 138 (Nov 2015): 642-56. <https://doi.org/10.1016/j.chemosphere.2015.07.056> (IF=3.698)
10. **J. Giebultowicz***, G. Kojro, K. Bus-Kwasnik, P. J. Rudzki, R. Marszalek, A. Les, and P. Wroczynski. "Cloud-Point Extraction Is Compatible with Liquid Chromatography Coupled to Electrospray Ionization Mass Spectrometry for the Determination of Bisoprolol in Human Plasma." *J Chromatogr A* 1423 (Dec 4 2015): 39-46. <https://doi.org/10.1016/j.chroma.2015.10.076> (IF=3.926)

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