Curriculum Vitae

Last name, First name: **STĘPNIK MACIEJ** **Gender**: **M**

Nationality: **POLISH**

Overall Scientific Expertise:

Over twenty years of experience in the field of molecular toxicology, signal transduction, genotoxicity/mutagenicity testing, chemical carcinogenesis, nanotoxicology, alternative methods in toxicology. Gained experience in risk assessment being involved in work of the Polish Interdepartmental Commission for Maximum Admissible Concentrations and Intensities for Agents Harmful to Health In the Working Environment. Cooperated in several projects within EU Framework Programmes and other (e.g. MARINA, Nanogenotox, NanoInteract, DIEPHY).

Professional Experience

Years employed from – to	Title of position	Employer – name and location	Areas of professional specialization
Since 2020	Senior toxicologist	QSAR Lab Ltd.	Toxicology, genotoxicity, nanotoxicology, chemical carcinogenesis, alternative methods
2016-2020	Head of Toxicology and Carcinogenesis Dept	Nofer Institute of Occupational Medicine, Poland	Toxicology, genotoxicity, nanotoxicology, chemical carcinogenesis, alternative methods
2011-2020	Associate Professor in Toxicology	Nofer Institute of Occupational Medicine, Poland	Toxicology, genotoxicity, nanotoxicology, chemical carcinogenesis, alternative methods
2002-2015	Head of Laboratory of Molecular Toxicology	Nofer Institute of Occupational Medicine, Poland	Toxicology, genotoxicity, nanotoxicology, chemical carcinogenesis, alternative methods
1998-2011	Assistant Professor	Nofer Institute of Occupational Medicine, Poland	Toxicology, nanotoxicology, chemical carcinogenesis
1994-1998	Research assistant	Nofer Institute of Occupational Medicine, Poland	Toxicology, chemical carcinogenesis

Educational Background

Year	Degree awarded	Educational Institution – name and location	Areas of educational specialisation
2011	Associate Professor	Nofer Institute of	Toxicology, nanotoxicology,

	(habilitation)	Occupational Medicine, Poland	chemical carcinogenesis
1998	PhD	Nofer Institute of Occupational Medicine, Poland	Toxicology, chemical carcinogenesis
1993	Diploma in medicine	Medical Academy of Lodz, Faculty of Medicine	Medicine

Memberships in Scientific Advisory Bodies/Committees/Panels:
- 2020-2021: member of the Cross-cutting Working Group on Genotoxicity in European Food Safety Authority, EFSA in Parma, Italy
- 2015: Participation as an expert in the work of Member State Committee of the European Chemicals Agency;
- 2014: Participation in the work of OECD Expert Group on the Adaptation of the Genotoxicity in vitro Micronucleus Assay TG487 for Testing of Nanomaterials;
- 2012: Participation in the work of WPMN Steering Group 7(SG7) on Alternative Test Methods in Nanotoxicology;
- 2012-2013: Member of the Advisory Board on Animal Experimentation at the Polish Ministry of Science and Higher Education;
- 2009-2013: Member of the National Ethics Committee on Animal Experimentation;
- 2003-2008: Representative of the Polish National Consensus Platform at European Consensus Platform on Alternative Methods (Ecopa);
- 2004-2020: member of the Polish Interdepartmental Commission for Maximum Admissible Concentrations and Intensities for Agents Harmful to Health In the Working Environment.

Memberships in Learned Societies:
2014-2020: Polish Society of Toxicology

Memberships in Editorial Boards:
- Member of Associate Editors of International Journal of Occupational Medicine and Health, Nofer Institute of Occupational Medicine, Łódź, Poland (Publisher)
- Review Editor Regulatory Toxicology in Frontiers in Toxicology (https://www.frontiersin.org/journals/toxicology/editors)

List of Publications:
Author of 80 Web of Science Core Collection publications in the field of general toxicology, molecular toxicology and nanotoxicology (over 1100 citations, H-index: 19); 3 chapters in textbooks of toxicology, 1 patent and 2 requests for grant of the European Patent Office.

1. Kowalska D et al. How the Structure of Per- and Polyfluoroalkyl Substances (PFAS) Influences Their Binding Potency to the Peroxisome Proliferator-Activated and Thyroid Hormone Receptors-An In Silico Screening Study. Molecules. 2023 Jan 4;28(2):479.
2. Sobańska Z et al. Assessment of acute toxicological effects of molybdenum(IV) disulfide nano- and microparticles after single intratracheal administration in rats. Sci Total Environ. 2020 Nov 10;742:140545.
3. Sobańska Z et al. Applications and Biological Activity of Nanoparticles of Manganese and Manganese Oxides in In Vitro and In Vivo Models. Nanomaterials (Basel). 2021 Apr 22; 11 (5): 1084.
4. Sobańska Z et al. Comparative analysis of biological effects of molybdenum (IV) sulfide in the form of nano - and microparticles on human hepatoma HepG2 cells grown in 2D and 3D models. Toxicol In Vitro. 2020 Jul 5; 68: 104931.

5. Roszak J et al. Cytotoxic effects in transformed and non-transformed human breast cell lines after exposure to silver nanoparticles in combination with selected aluminium compounds, parabens or phthalates. J Hazard Mater. 2020 Jun 15; 392: 122442.