

### Candidate supervisor's information summary form

Name and surname, degree, title:	
Scientific discipline/ disciplines	food and nutrition technology, health sciences
Professional development (degrees and titles) in chronological order	2002 – PhD in agricultural sciences in the field of food technology and human nutrition 2013 – Assoc. Prof. agricultural sciences in the field of food technology and nutrition, specializing in human nutrition and dietetics
Most important publications/ patents in the last 3 years (maximum 10)	<ol style="list-style-type: none"> <li>1. Sijko-Szpańska M, <b>Kozłowska L</b>. Analysis of Relationships between Metabolic Changes and Selected Nutrient Intake in Women Environmentally Exposed to Arsenic. <i>Metabolites</i>. 2024 Jan 22;14(1):75. doi: 10.3390/metabo14010075.</li> <li>2. <b>Kozłowska L</b>, Jagiello K, Ciura K, Sosnowska A, Zwiech R, Zbrog Z, Wasowicz W, Gromadzinska J. The Effects of Two Kinds of Dietary Interventions on Serum Metabolic Profiles in Haemodialysis Patients. <i>Biomolecules</i>. 2023 May 18;13(5):854. doi: 10.3390/biom13050854.</li> <li>3. Sijko M, Janasik B, Wąsowicz W, <b>Kozłowska L</b>. Metabolic Changes and Their Associations with Selected Nutrients Intake in the Group of Workers Exposed to Arsenic. <i>Metabolites</i>. 2023 Jan 1;13(1):70. doi: 10.3390/metabo13010070.</li> <li>4. <b>Kozłowska L</b>, Gromadzinska J, Zwiech R, Zbrog Z, Wasowicz W. Effects of the Malnutrition-Eat Additional Meal (MEAM) Diet on the Serum Levels of Albumin and C-Reactive Protein in Hemodialysis Patients. <i>Nutrients</i>. 2022 Dec 16;14(24):5352. doi: 10.3390/nu14245352.</li> <li>5. Sitek A, <b>Kozłowska L</b>. The role of well-known antioxidant vitamins in the prevention of cadmium-induced toxicity. <i>Int J Occup Med Environ Health</i>. 2022 Aug 1;35(4):367-392. doi: 10.13075/ijomeh.1896.01912.</li> <li>6. <b>Kozłowska L</b>, Santonen T, Duca RC, Godderis L, Jagiello K, Janasik B, Van Nieuwenhuysse A, Poels K, Puzyn T, Scheepers PTJ, Sijko M, Silva MJ, Sosnowska A, Viegas S, Verdonck J, Wąsowicz W, On Behalf Of Hbm Eu Chromates Study Team, On Behalf Of Statistical Team. <i>Metabolites</i>. HBM4EU Chromates Study: Urinary Metabolomics Study of Workers Exposed to Hexavalent Chromium. 2022 Apr 18;12(4):362. doi: 10.3390/metabo12040362.</li> <li>7. Przybylski W, Salek P, <b>Kozłowska L</b>, Jaworska D, Stańczuk J. Metabolomic analysis indicates that higher drip loss may be related to the production of methylglyoxal as a by-product of glycolysis. <i>Poult Sci</i>. 2022 Feb;101(2):101608. doi: 10.1016/j.psj.2021.101608.</li> <li>8. Sijko M, <b>Kozłowska L</b>. <i>Toxics</i>. Influence of Dietary Compounds on Arsenic Metabolism and Toxicity. Part II-Human Studies. 2021 Oct 11;9(10):259. doi: 10.3390/toxics9100259.</li> <li>9. Sijko M, <b>Kozłowska L</b>. Influence of Dietary Compounds on Arsenic Metabolism and Toxicity. Part I-Animal Model Studies. <i>Toxics</i>. 2021 Oct 11;9(10):258. doi: 10.3390/toxics9100258.</li> <li>10. Sijko M, Janasik B, Wąsowicz W, <b>Kozłowska L</b>. Can the effects of chromium compounds exposure be modulated by vitamins and microelements? <i>Int J Occup Med Environ Health</i>. 2021 Aug 5;34(4):461-490. doi: 10.13075/ijomeh.1896.01706.</li> </ol>

<p>Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral programmes/procedures) in chronological order</p>	<p>2021 – defended doctoral dissertations, title: The influence of diet and beetroot juice on selected parameters of oxidative stress and physical performance in fencers.</p> <p>2020-2024 – 4th-year doctoral student at the Doctoral School. title: Analysis of the relationship between diet and the metabolic profile of adults and children environmentally exposed to arsenic.</p>
<p>Project/grants achievements (in the last 10 years)</p>	<ol style="list-style-type: none"> <li>1. PARC - Partnership for the Assessment of Risk from Chemicals. Horizon Europe. 2022-2029.</li> <li>2. European Human Biomonitoring Initiative (HBM4EU) Project. 2020 – 2022.</li> <li>3. KGHM Polska Miedź S.A. project: Preparation of a long-term, coherent preventive program developed on the basis of the conducted research program related to the presence of arsenic and associated compounds among the group selected for research living in the industrial area of the copper region. 2021-2023.</li> <li>4. National Science Center grant OPUS 17. Metabolomic profile and telomere length as indicators of the toxic effects of metals in welding dusts/fumes in the European population of welders. 2020-2024.</li> <li>5. National Science Center grant OPUS 14. Searching for prognostic metabolomic markers of the effectiveness of nutritional intervention in hemodialysis patients. 2018-2023.</li> <li>6. National Health Program. Reduction of health risks resulting from physical, chemical and biological threats in the external environment, workplace, recreation and residence. 2017-2021.</li> <li>7. Grant EKHAGASTIFTELSEN. Promoting human health and well-being by maintaining matrix related organic food qualities from field to fork. 2019-2024.</li> <li>8. KGHM Polska Miedź S.A. Metabolomics studies of residents near the copper smelter with elevated arsenic concentrations. 2018.</li> <li>9. Grant from the Ministry of Science and Higher Education for financing the costs of purchasing, manufacturing or expanding scientific and research equipment constituting large or strategic research infrastructure, entitled: Creation of an integrated platform for research in the field of human nutrition sciences using modern methods for assessing nutrient intake and metabolic response to dietary interventions. 2016-2017.</li> </ol>
<p>Topic – research problem – for which the candidate supervisor seeks a doctoral student</p>	<p>Research on the impact of environmental factors on the health of various population groups.</p>
<p><u>Contact details:</u> Institute E-mail address Tel.</p>	<p>Institute of Human Nutrition Science <a href="mailto:lucyna.kozlowska@sggw.edu.pl">lucyna.kozlowska@sggw.edu.pl</a> 22 59 370 17</p>