


Curriculum Vitae

Personal Information	Name	Agnieszka Gruszecka-Kosowska	Gender	female	
	Academic Title	PhD			
	College	AGH University of Science and Technology Faculty of Geology, Geophysics and Environmental Protection Department of Environmental Protection			
	Discipline	Earth and Related Environmental Sciences (formerly Earth Sciences)			
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	Mail Add.	AGH University of Science and Technology Faculty of Geology, Geophysics and Environmental Protection Department of Environmental Protection Al. Mickiewicza 30, 30-059 Kraków			
Educational Background	<p>June 1999: Secondary School Diploma (Polish Matura) S. Skarżyński Secondary School No. XXIII in Kraków General-Education Profile</p> <p>June 2004: Master of Science AGH University of Science and Technology Faculty of Geology, Geophysics and Environmental Protection Major: Environmental Engineering Minor: Geology and Geochemistry of the Environment MSc Thesis title: "Assessment of the contamination of the Rożnowskie Lake sediments with chromium"</p> <p>Dec. 2007: PhD in Earth Sciences, Major: Geology AGH University of Science and Technology Faculty of Geology, Geophysics and Environmental Protection PhD Dissertation title: "Heavy metals in river waters, sediments and soils in the vicinity of mining and smelting waste disposals in Bukowno (Poland) and Mansfeld (Germany) – environmental risk assessment" PhD awarded with Honours PhD Dissertation Supervisor: Prof. dr hab. inż. Edeltrauda Helios-Rybicka</p> <p>2012–2013: Course of Postgraduate Studies: "Research and Development Works Management," under the Project called the "Competencies for cooperation between science and business. Post-graduate Studies in Management for Sector B+R", Human Capital Programme, University of Economics and Innovation in Lublin</p>				
Working Experience	<p>2004–2007: Course of PhD Studies, AGH University of Science and Technology, Faculty of Geology, Geophysics and Environmental Protection, Environmental Protection Institute</p> <p>2008–2011: Assistant Professor, AGH University of Science and Technology, Faculty of Geology, Geophysics and Environmental Protection, Department of General Geology, Environmental Protection and Geotouristics</p>				

	2011–present: Assistant Professor, AGH University of Science and Technology, Faculty of Geology, Geophysics and Environmental Protection, Department of General Environmental Protection
Research Interests	Health Risk Assessment, Ecological Risk Assessment, Risk Management, Air Pollution, Soil Pollution, Aquatic Pollution, Environmental Monitoring, Potentially Harmful Elements, Contaminants of Emerging Concern, Waste Management, Geochemistry
Major Publications*	<ol style="list-style-type: none"> 1) Wdowin M., Gruszecka A. (2012). Mineralogical-chemical and textural characteristics of Zn-Pb industrial flotation wastes, with further potential for application as sorbents (in Polish). <i>Gospodarka Surowcami Mineralnymi – Minerals Resources Management</i>, 28, 3, 55–69. 2) Gruszecka A., Wdowin M. (2013). Characteristics and distribution of analyzed metals in soil profiles, in the vicinity of a post-flotation waste site in the Bukowno region, Poland. <i>Environmental Monitoring and Assessment</i>, 185, 10, 8157–8168. 3) Gruszecka-Kosowska A., Mikoda B. (2015). Commercial utilization of mineral waste: review of the analytical methods determining compliance with environmental laws. <i>Geology, Geophysics & Environment</i>, 41, 3, 263–274. 4) Gruszecka-Kosowska A., Wdowin M., Kosowski T., Klimek A. (2015). An analysis of the chemistry, mineralogy and texture of waste dolomite powder used to identify its potential application in industry. <i>Geology, Geophysics & Environment</i>, 41, 4, 343–352. 5) Kicińska A., Gruszecka-Kosowska A. (2016). Long-term changes of metal contents in two metallophyte species (Olkusz area of Zn-Pb ores, Poland). <i>Environmental Monitoring and Assessment</i>, 188(6):339, 1–12. 6) Gruszecka-Kosowska A., Mazur-Kajta K. (2016). Potential health risk of selected metals for Polish consumers of oolong tea from the Fujian Province, China. <i>Human and Ecological Risk Assessment</i>, 22, 5, 1147–1165. 7) Gruszecka-Kosowska A., Wdowin M. (2016). The mineralogy, geochemistry and health risk assessment of deposited particulate matter (PM) in Kraków, Poland. <i>Geology, Geophysics & Environment</i>, 42, 4, 429–441. 8) Gruszecka-Kosowska A., Baran A. (2017). Concentration and health risk assessment of nitrates in vegetables from conventional and organic farming. <i>Human and Ecological Risk Assessment</i>, 23, 4, 727–740. 9) Mikoda B., Gruszecka-Kosowska A., Klimek A. (2017). Copper flotation waste from KGHM as potential sorbent for heavy metal removal from aqueous solutions. <i>Human and Ecological Risk Assessment</i>, 23, 7, 1610–1628. 10) Gruszecka-Kosowska A., Kicińska A. (2017). Long-term metal-content changes in soils on the Olkusz Zn-Pb ore-bearing area, Poland. <i>International Journal of Environmental Research</i>, 11, 3, 359–376. 11) Gruszecka-Kosowska A., Baran P., Wdowin M., Franus W. (2017). Waste dolomite powder as an adsorbent of Cd, Pb(II), and Zn from aqueous solutions. <i>Environmental Earth Sciences</i>, 76, 15, 521, 1–12. 12) Mikoda B., Gruszecka-Kosowska A., Klimek A., Tomczyk A. (2018). Air pollution control and flue gas desulfurization residues from Polish copper smelting facility as adsorbents of Pb(II) and Cu(II) from aqueous solutions. <i>Environmental Science and Pollution Research</i>, 25, 31, 31520–31534. 13) Pachurka Ł., Gruszecka-Kosowska A., Kobus D., Sówka I. (2018). Assessment of inhalation exposure to benzo[a]pyrene among the residents of Wrocław, Kraków, and Warszawa. <i>Ecological Chemistry and Engineering, A – Chemia i Inżynieria Ekologiczna A</i>, 25, 1, 39–49. 14) Gruszecka-Kosowska A. (2018). Assessment of the Kraków inhabitants' health risk caused by the exposure to inhalation of outdoor air contaminants. <i>Stochastic Environmental Research and Risk Assessment</i>, 32, 2, 485–499. 15) Baran A., Gruszecka-Kosowska A., Kołton A., Jasiewicz Cz., Piwowar P. (2018). Content and health risk assessment of selected elements in the Yerba mate (<i>Ilex paraguariensis</i>, St. Hillaire). <i>Human and Ecological Risk Assessment</i>, 24, 4, 1092–1114. 16) Gruszecka-Kosowska A., Baran A., Jasiewicz Cz. (2018). Content and health risk assessment of selected elements in commercially available fish and fish products. <i>Human and Ecological Risk Assessment</i>, 24, 6, 1623–1641.

	<p>17) Mikoda B., Gruszecka-Kosowska A. (2018). Mineral and chemical characteristics, textural parameters, and the mobility of the selected elements of flotation waste, originating from the Polish copper-mining industry. <i>Human and Ecological Risk Assessment</i>, 24, 5, 1216–1232.</p> <p>18) Adamiec E., Dajda J., Gruszecka-Kosowska A., Helios-Rybicka E., Kisiel-Dorohinicki M., Klimek R., Palka D., Wąs J. (2019). Using medium-cost sensors to estimate air quality in remote locations: A case study of Niedzica, southern Poland. <i>Atmosphere</i>, 10, 7, 393, 1–13.</p> <p>19) Janoska O., Gruszecka-Kosowska A. (2020). Water quality and Human Health Risk Assessment: A case study of the Czarna Przemsza River source in Zawiercie, Poland. <i>Human and Ecological Risk Assessment</i>, 26, 3, 757–781.</p> <p>20) Gruszecka-Kosowska, A., Baran, A., Wdowin, M., Mazur-Kajta, K., Czech, T. (2020). The contents of the potentially harmful elements in the arable soils of southern Poland, with the assessment of ecological and health risks: A case study. <i>Environmental Geochemistry and Health</i>, 42, 419–442.</p> <p>21) Gruszecka-Kosowska, A., Baran, A., Mazur-Kajta, K., Czech, T. (2019). Geochemical fractions of the agricultural soils of southern Poland, with the assessment of the potentially harmful element mobility. <i>Minerals</i>, 9, 11, 674; doi: 10.3390/min9110674.</p> <p>22) Gruszecka-Kosowska, A. (2019). Potentially harmful element concentrations in the vegetables cultivated on arable soils, with human health risk implications. <i>International Journal of Environmental Research and Public Health</i>, 16, 20, 4053, doi: 10.3390/ijerph16204053.</p> <p>23) Gruszecka-Kosowska, A. (2019). Human health risk assessment and potentially harmful element contents in the fruits cultivated in the southern Poland. <i>International Journal of Environmental Research and Public Health</i>, 16, 24, 5096; doi: 10.3390/ijerph16245096.</p> <p>24) Gruszecka-Kosowska, A. (2020). Human health risk assessment and potentially harmful element contents in the cereals cultivated on agricultural soils. <i>International Journal of Environmental Research and Public Health</i>, 17, 5, 1674; doi: 10.3390/ijerph17051674.</p> <p>25) Gruszecka-Kosowska, A. (2020). Deposited particulate matter enrichment in heavy metals and related health risk: a case study of Krakow, Poland. <i>Proceedings (MDPI)</i>, 44, 1, 1–7.</p> <p>26) Traczyk P., Gruszecka-Kosowska, A. (2020). The condition of air pollution in Kraków, Poland, in 2005-2020, with health risk assessment. <i>International Journal of Environmental Research and Public Health</i>, 17, 17, 6063, 1–23.</p> <p>27) Strzebońska M., Gruszecka-Kosowska, A., Kostka A. (2020). Chemistry and microbiology of urban roof runoff in Kraków, Poland with ecological and health risk implications. <i>Applied Sciences (Basel)</i>, 10, 23, 8554, 1–20.</p>
<p>Research Projects*</p>	<p>1) 2009–2011: Performer of Statutory Research Grant No. 11.11.140.447, entitled “<i>Comprehensive geological and environmental research of Alpine orogens and neighbourhood platforms. Pollution in the environment, their migration and techniques for limiting the mobility.</i>”</p> <p>2) 2011–2012: Project Manager and Performer of Dean's Grant No. 15.11.140.074: “<i>Methods of modification of flotation wastes from the processing of zinc-lead ores from the Zakłady Górniczo-Hutnicze “Bolesław” in Bukowno.</i>”</p> <p>3) 2013: Co-author of the Expert Opinion entitled “<i>Analysis of the possibilities of economic use of waste arising from the production of bituminous road masses at the MPRI Sp. z o.o. in Kraków</i>” (in Polish), under the project „<i>SPiN – Effective Entrepreneur and Scientist.</i>”</p> <p>4) 2014: Author of the Expert Opinion entitled „<i>The report specifying the practical possibilities of economic use of the consolidated carbonate waste material generated at the MPRI Sp. z o.o. for cement and concrete production and soil stabilization in road construction</i>” (in Polish), under the project called “<i>Knowledge, practice, cooperation – keys to business success.</i>”</p>

	<p>5) 2013–2014: Project Manager and Performer of Dean's Grant No. 15.11.140.357: “<i>Risk analysis procedure as a tool for identifying environmental health threats.</i>”</p> <p>6) 2012–2016: Performer of Statutory Research Grant No. 11.11.140.199, entitled “<i>Historical and contemporary transformation of point and area sources of pollution.</i>”</p> <p>7) 2017: A CHMURAL Consortium Partner: Co-author of the Expert Study entitled “<i>Analysis of information necessary to assess the existence of a significant threat to human health or the state of the environment in the event of exceeding the permissible content of substances causing risk in soil, soil or groundwater</i>” (in Polish), carried out under Public Contract No. 42/GDOŚ/2017, awarded by the General Directorate for Environmental Protection (GDOŚ) in Warsaw.</p> <p>8) 2018: Co-author of the Expert Study entitled “<i>Report on the measurements of air pollution in the Energy Cluster of the Czorsztyn Reservoir and in nearby towns</i>” (in Polish), on behalf of the Zespół Elektrowni Wodnych Niedzica S.A. (Niedzica Hydroelectric Power Plant Complex).</p> <p>9) 2019: A REMEDIUM Consortium Partner: Co-author of the Expert Study entitled “<i>Development of proposals for the solutions regarding the procedure of assessing the existence of a significant threat to human health or the state of the environment, in the event of exceeding the permissible content of substances causing a risk to soil or groundwater, as well as the principles of choosing the appropriate remedy method and technology</i>” (in Polish), carried out under Public Contract No. 79/GDOŚ/2019, awarded by the General Directorate for Environmental Protection (GDOŚ) in Warsaw.</p> <p>10) 2017–2021: Performer of Statutory Research Grants No. 11.11.140.017 and No. 16.16.140.315, entitled “<i>Circulation of pollutants in the environment in conditions of changing anthropopressure.</i>”</p>
<p>Professional Membership</p>	<p>1) 2005–present: Stowarzyszenie Środowisko dla Środowiska (The Environment for the Environment Association) – Member.</p> <p>2) Since 2019: A Reviewer Panel Member of the <i>International Journal of Environmental Research and Public Health</i> (MDPI AG).</p> <p>3) Special Issue Editor of <i>Journal of Xenobiotics</i> (ISSN 2039-4713): "From Soil to Plate: the Fate of Xenobiotics in the Food Chain with Ecological and Health Risk Implications" (deadline 31. May 2021)</p>
<p>Potential Research Projects**</p>	<p>Research Projects is intended to apply for Sino-Polish or EU scientific cooperation projects</p>

* Please list achievements of recent 5 years

** This CV is intended to match Chinese and Polish Scientists within SPUC member universities, and Potential Research Projects is intended to apply for Sino-Polish or EU scientific cooperation projects.