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## *Curriculum Vitae*

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### *Justyna Likus-Cieślak, PhD*

*assistant* in Department of Forest Ecology and Reclamation, Faculty of Forestry University of Agriculture in Krakow

**Born:** 10.02.1988 Nysa

**2010-2012** – Masters study at University of Agriculture in Krakow, Faculty of Forestry

**Master Thesis:** „The size and structure of timber resources in the ecosystems forest passive protected in Ojcowski National Park”;

**2013-2018** – PhD studies at University of Agriculture in Krakow, Faculty of Forestry Department of Forest Ecology and Reclamation;

**PhD Thesis:** „Influence of excessive mineral sulfur content on soil and plant features on former mine Jeziórko areas, reclaimed to forestry”;

#### **Bibliometric:**

- Sumarize IF **26.750**;
- Citation index H (by WofSc) **3**;
- Citation sum **14**;

The number of published works in total:

- 16 publications in journals, including 5 in journals from the A list, 8 from the B list of the Ministry of Science and Higher Education;
- 3 chapters in monographs;

#### **The most important references:**

1. Pietrzykowski M., Krzaklewski W., **Likus-Cieślak J.**, Woś B. 2015. Assessment of english oak (*Quercus robur* L.) growth in varied soil-substrate conditions of reclaimed Piaseczno sulfur mine dump, *Folia Forestalia Polonica Series A-Forestry*, nr 57 (1): 28-32, DOI:10.1515/ffp-2015-0004;
2. Juliszewski T., Kwaśniewski D., Pietrzykowski M., Tylek P. Walczyk J., Woś B., **Likus-Cieślak J.** 2015. Root biomass distribution in an energy willow plantation, *Agricultural Engineering*, 156(4): 43-49, DOI:10.14654/ir.2015.156.150;

3. **Likus-Cieślík J.**, Pietrzykowski M., Śliwińska-Siuśta M., Krzaklewski W., Szostak M. 2015. A preliminary assessment of soil sulphur contamination and vegetations in the vicinity of former boreholes on the afforested post-mine site Jeziórko, *Geology, Geophysics & Environment*, 41(4): 371-380, DOI: 10.7494/geol.2015.41.4.371;
4. **Likus-Cieślík J.**, Pietrzykowski M., Szostak M., Szulczewski M. 2017. Spatial distribution and concentration of sulfur in relation to vegetation cover and soil properties on a reclaimed sulfur mine site (Southern Poland), *Environmental Monitoring and Assessment*, 189:87, DOI: 10.1007/s10661-017-5803-z; (IF 1.687);
5. **Likus-Cieślík J.**, Pietrzykowski M. 2017. Vegetation development and nutrients supply of trees in habitats with high sulfur concentration in reclaimed former sulfur mines Jeziórko (Southern Poland), *Environmental Science and Pollution Research*, 24(25), 20556-20566 , DOI: 10.1007/s11356-017-9638-5; (IF 2.741);
6. **Likus-Cieślík J.**, Pietrzykowski M. 2018. Post-mine sulfurous soil chemistry in leaching Experiment under controlled conditions at different tree species litter addition, *Zeszyty Naukowe Uniwersytetu Zielonogórskiego, Inżynieria Środowiska*, 167 (47): 34-46;
7. **Likus-Cieślík J.**, Pietrzykowski M., Chodak M. 2018. Chemistry of sulfur-contaminated soil substrate from a former Frasch extraction method sulfur mine leachate with various forms of litter in a controlled experiment, *Water, Air, & Soil Pollution*, 229:71, DOI: 10.1007/s11270-018-3716-2 (IF 1.702).
8. Pietrzykowski M., **Likus-Cieślík J.** 2018. Comprehensive Study of Reclaimed Soil, Plant, and Water Chemistry Relationships in Highly S-Contaminated Post Sulfur Mine Site Jeziórko (Southern Poland), *Sustainability*, 10(7): 1-15, DOI:10.3390/su10072442; (IF 2.075)
9. Szostak M., **Likus-Cieślík J.**, Knapik K., Wężyk P., Pietrzykowski M., 2018. *Analysis of land use and land cover classes for the afforested post-mine site using Sentinel-2 images*. 18th International Multidisciplinary Scientific GeoConference SGEM 2018 Conference Proceedings, Vol. 18. Issue 5.2. Ecology, Economics, Education and Legislation. Section Ecology and Environmental Protection, pp. 41-48. ISBN 978-619-7408-47-8 / ISSN 1314-2704, 2 July - 8 July 2018, Albena, Bulgaria, www.sgem.org. <https://doi.org/10.5593/sgem2018/5.2>
10. **Likus-Cieślík J.**, Smoliński A., Pietrzykowski M., Bąk A. 2019. Sulphur contamination impact on seasonal and surface water chemistry on a reforested area of a former sulphur mine. *Land Degradation and Development*, 30: 212-225, DOI: 10.1002/ldr.3216 (IF 4.275)
11. Szostak M., **Likus-Cieślík J.**, Knapik K., Wężyk P., Pietrzykowski M. 2019. Monitorowanie zasięgu roślinności o charakterze leśnym w obszarach rekultywowanych z zastosowaniem obrazów satelitarnych Sentinel-2. *Sylwan*, 163 (1), 55- 61 (IF 0.691 )
12. Pietrzykowski M., Woś B., Tylek P., Kwaśniewski D., Juliszewski T., Walczyk J., **Likus-Cieślík J.**, Ochał W, Tabor S. 2020. Carbon sink potential and allocation in above- and below-ground biomass in willow coppice. *Journal of Forestry Research* <https://doi.org/10.1007/s11676-019-01089-3> (IF 1.155)
13. **Likus-Cieślík J.** Gruba P., Socha J., Pietrzykowski M. (2020). The current state of environmental pollution with sulfur dioxide (SO<sub>2</sub>) in Poland based on sulfur concentration in Scots pine needles. *Environmental Pollution*, <https://doi.org/10.1016/j.envpol.2019.113559> (IF 5.714)

### **Scientific internships:**

1. 07-11.07.2014 – COST Action FP1202 – Adaptation and evolution of Marginal-Peripheral populations of forest trees at the leading, altitudinal and rear edges of species distribution – Universidad Zaragoza, Hiszpania;
2. 15-19.09.2014 – COST Action ES1203 – Enhancing the resilience capacity of SENSitive mountain FORest ecosystems under environmental change (SENSFOR) 1st SENSFOR TRAINING SCHOOL on “Drivers, pressures and indicators for monitoring treeline ecosystems” – Aristotle University of Thessaloniki Grecja;
3. 07-09.09.2015 – COST Action FP1206 – Forest models for mixed forests, Technical University in Zvolen, Slovakia;
4. 03-14.08.2015 – Institute of Environmental Engineering, Polish Academy of Science in Zabrze;

5. 01-31.08.2019 - Soil & Water Research Infrastructure, Biology Centre CAS, and Charles University in Prague (Laboratory of Environmental Chemistry and Soil Analysis) - scientific stay