

Joanna Augustynowicz, Ph.D., D.Sc.



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Consultation hours: Tuesdays 12-13:30

Research interest:

Phytoremediation of water polluted with toxic elements, especially chromium, with the application of higher plants and algae

Research experience:

Visiting Scholar

Lisbon University, Portugal, 6 months

Antwerp University, Belgium, 1 month

DSc (Habilitation): 2014, Phytoremediation of heavy metal compounds, particularly of chromium, by *Callitriche cophocarpa*

PhD: 2000, The study on mechanism of chloroplast movement in cells and protoplasts of *Nicotiana tabacum*

Professional profiles:

ORCID: <https://orcid.org/0000-0001-7826-7205>

Research ID: <https://publons.com/researcher/F-8728-2014/>

Research Gate: https://www.researchgate.net/profile/Joanna_Augustynowicz/research

List of publications:

Augustynowicz J., Łukowicz K., Tokarz K., Płachno B.J. (2015) Potential for chromium (VI) bioremediation by the aquatic carnivorous plant *Utricularia gibba* L. (Lentibulariaceae). *Environmental Science and Pollution Research* 22: 9742-9748

Płachno B.J, Wołowski K., **Augustynowicz J.**, Łukaszek M. (2015) Diversity of algae in a thallium and other heavy metals-polluted environment. *Annales de Limnologie* 51: 139-146

Kostecka-Gugała A., Ledwożyw-Smoleń I., **Augustynowicz J.**, Wyżgolik G., Kruczek M., Kaszycki P. (2015) Antioxidant properties of fruits of raspberry and blackberry grown in central Europe. *Open Chemistry* 13: 1313-1325

Augustynowicz J., Gajewski Z., Kostecka-Gugała A., Wróbel P., Kołton A. (2016) Accumulation patterns of Cr in *Callitriche* organs - qualitative and quantitative analysis. *Environmental Science and Pollution Research* 23: 2669–2676

Muszyńska E., Hanus-Fajerska E., Piwowarczyk B., **Augustynowicz J.**, Ciarkowska K., Czech T. (2017) From laboratory to field studies – the assessment of *Biscutella laevigata* suitability to biological reclamation of areas contaminated with lead and cadmium. *Ecotoxicology and Environmental Safety* 142: 266-273

Kaszycki P., Dubicka-Lisowska A., **Augustynowicz J.**, Piwowarczyk B., Wesółowski W. (2018) *Callitriche cophocarpa* (water starwort) proteome under chromate stress: evidence for induction of a quinone reductase. *Environmental Science and Pollution Research* 25(9): 8928–8942

Kyzioł-Komosińska J., **Augustynowicz J.**, Lasek W., Czupioł J., Ociński D. (2018) *Callitriche cophocarpa* biomass as a potential low-cost biosorbent for trivalent chromium. *Journal of Environmental Management* 214: 295-304

Augustynowicz J., Sitek E., Bryniarski T., Baran A., Ostachowicz B., Urbańska-Stopa M., Szklarczyk M. (2020) The use of *Callitriche cophocarpa* Sendtn. for the reclamation of Cr-contaminated freshwater habitat: benefits and limitations. *Environmental Science and Pollution Research*
DOI: 10.1007/s11356-020-08887-x