

## Výber z publikáčnej činnosti

- **Frišták, V.**, Pipíška, M., Valovčiaková, M., Lesný, J. Application of response surface methodology (RSM) for optimization of zinc extraction from anaerobic sewage sludge. (2018) *Environmental engineering and management journal*, vol. 17, no. 7, p. 1685–1692. (IF 1,334).
- **Frišták, V.**, Pipíška, M., Hubenák, M., Kadlecíková, M., Galamboš, M., Soja, G. Pyrogenic materials-induced immobilization of Eu in aquatic and soil systems : comparative study. (2018) *Water, Air & Soil Pollution*, vol. 229, no. 5, article no. 146. (IF 1,769).
- **Frišták, V.**, Pipíška, M., Soja, G. Využitie biouhlia na imobilizáciu ľažkých kovov v pôdach zaľažených hutníckym priemyslom (2018) In *Scientia et eruditio*, roč. 2, č. 1, s. 7–15.
- Moreno-Jimenéz, E., Acena-Heras, A., **Frišták, V.**, Heinze, S., Marschner, B. The effect of biochar amendments on phenanthrene sorption, desorption and mineralization in different soils. (2018) *PEERJ*, vol. 6, no. june, article no. e5074.
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- **Frišták, V.**, Moreno-Jimenéz, E., Fresno, T., Diaz, E.: effect of physical and chemical activation on arsenic sorption separation by grape seeds-derived biochar. (2018) *Separations*, vol. 5, no. 4, article no. 59.
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- **Frišták, V.**, Laughinghouse, H. D., Packová, A., Graser, M., Soja, G.: Monitoring of methylated naphthalenes in sludge-derived pyrogenic carbonaceous materials. (2019) *Chemosphere*, vol. 217, no. Feb, p. 456–462. (IF 5,108).
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- **Frišták, V.**, Micháleková-Richveisová, B., Víglašová, E., Ďuriška, L., Galamboš, M., Moreno-Jimenéz, E., Pipíška, M., Soja, G. Sorption separation of Eu and as from single-component systems by Fe-modified biochar: kinetic and equilibrium study (2017). In *Journal of the Iranian Chemical Society*, 14(3), pp. 521–530. (IF 1,30).
- Pipíška, M., Richveisová, B. M., **Frišták, V.**, Horník, M., Remenárová, L., Stiller, R., Soja, G. Sorption separation of cobalt and cadmium by straw-derived

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- **Frišták, V.**, Friesl-Hanl, W., Wawra, A., Pipíška, M., Soja, G. Effect of biochar artificial ageing on Cd and Cu sorption characteristics (2015). In *Journal of Geochemical Exploration*. 159, pp. 178–184. (IF 2,464).
- **Frišták, V.**, Pipíška, M., Lesný, J., Soja, G., Friesl-Hanl, W., Packová, A. Utilization of biochar sorbents for Cd<sup>2+</sup>, Zn<sup>2+</sup> and Cu<sup>2+</sup> ions separation from aqueous solutions: comparative study (2015). In *Environmental Monitoring and Assessment*. 187, pp. 4093. (IF 1,633).
- **Frišták, V.**, Gablovičová, T., Pipíška, M., Micháleková, B., Lesný, J. Application of <sup>65</sup>Zn and <sup>54</sup>Mn isotopic dilution for evaluation of available soil manganese and zinc fractions in Western Slovak region. (2015). In *Journal of Radioanalytical and Nuclear Chemistry*. 303(3), pp. 2489–2495. (IF 0,983).

## Výber z účasti na riešení projektov

- VEGA 1/0110/19: Štúdium využiteľnosti pyrolýznych produktov na báze odpadovej biomasy a čistiarenských kalov v environmentálnych aplikáciách, obdobie riešenia: 2019 – 2021.
- FFG (Österreichische Forschungsförderungsgesellschaft) – (09/14-09/16) – **FERTI-MINE** – From waste to fertilizer – phosphorus and carbon waste mining as nutrient recycling strategy for the future (zodpovedný riešiteľ).
- BMLFUW – (Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management) – (01/15-01/16) – **KOKOSAN** – Combined in-situ remediation using biochar and compost for PAH and heavy metal-contaminated soils (zodpovedný riešiteľ).
- BMWFW-OeAD-ICM – Akcia Slovensko – Rakúsko – IZOCHAR-SK02/2016 (01/16-09/16) (zodpovedný riešiteľ)