

2023 – Publications

1. ANDREÏ J., GUÉROLD F., BOUQUEREL J., DEVIN S., MEHENNAOUI K., CAMBIER S., GUTLEB A.C., GIAMBÉRINI L., PAIN-DEVIN S. (2023) Assessing the effects of silver nanoparticles on the ecophysiology of *Gammarus roeseli*. *Aquatic Toxicology*, 256, 106421. DOI: 10.1016/j.aquatox.2023.106421.
2. DEVIN S., POTET M., LOUIS F., PAULY D., ROCHER B., WAGNER P., GIAMBÉRINI L., PAIN-DEVIN S. (2023) Spatial and seasonal use of biomarkers in Dreissenids: implications for biomonitoring. *Environmental Sciences and Pollution Research*. DOI: 10.1007/s11356-023-28126-3.
3. DEVIN S., ARNOULD P.Y. , MINGUEZ L., PAIN-DEVIN S., JOUFFRET V. (2023) CallBRI: a web interface to calculate Integrated Biomarker Index. *Environmental Sciences and Pollution Research*, 30, 67912-67913. DOI: 10.1007/s11356-023-27447-7.
4. LACHAUX N., OTERO-FARIÑA A., MINGUEZ L., SOHM B., RÉTIF J., CHÂTEL A., POIRIER L., DEVIN S., PAIN-DEVIN S., GROSS E.M., GIAMBÉRINI L. (2023) Fate, subcellular distribution and biological effects of rare earth elements in a freshwater bivalve under complex exposure. *Science of the Total Environment*, 905, 167302. DOI: 10.1016/j.scitotenv.2023.167302.
5. HISSLER C., MONTARGES-PELLETIER E., KANBAR H.J., LE MEUR M., GAUTHIER C. (2023) Impact of past steel-making activities on lanthanides and Y (REY) fractionation and potential mobility in riverbank sediments. *Frontiers in Earth Science*, 10, 1056919. DOI: 10.3389/feart.2022.1056919
6. LÓPEZ MOREIRA MAZACOTTE G., POLST B., GROSS E., SCHMITT-JANSEN M., HÖLKER F., HILT S. (2023) Microcosm experiment combined with process-based modeling reveals differential response and adaptation of aquatic primary producers to warming and agricultural run-off *Frontiers in Plant Science*, 14, 1120441. DOI: 10.3389/fpls.2023.1120441.
7. VALLANZASCA I., BOUTRY S., LAVIALE M., QUINTON E., MORIN S. (2023) Development of a collaborative web platform documenting the diversity and extent of diatom deformities. *Botany Letters*, 171(1), 50–53. DOI: 10.1080/23818107.2023.2183898
8. VENKATARAMANAN A., FAURE-GIOVAGNOLI P., REGAN C., HEUDRE D., FIGUS C., USSEGLIO-POLATERA P., PRADALIER C., LAVIALE M. (2023) Usefulness of synthetic datasets for diatom automatic detection using a deep-learning approach. *Engineering Applications of Artificial Intelligence*, 117, 105594. DOI: 10.1016/j.engappai.2022.105594