

Les publications 2020 de la ZAAJ

- Baudrot V., Fernandez-de-Simon J., Coeurdassier M., Couval G., Giraudoux P., Lambin X., (2020) Trophic transfer of pesticides: The fine line between predator-prey regulation and pesticide-pest regulation. *J. Appl. Ecol.* 57, 806–818. DOI : 10.1111/1365-2664.13578
- Chiapponi E., Henriot C.P., Bertrand X., Hocquet D., Bornette G., (2020). Using gfp-tagged *escherichia colito* investigate the persistence of fecal bacteria in vegetated wetlands: an experimental approach. *Antibiotics-Basel* 9, 335. DOI: 10.3390/antibiotics9060335
- Coclite G.M., Donadello C., Nguyen T.N.T. (2020) A PDE model for the spatial dynamics of a voles population structured in age. *Nonlinear Anal.-Theory Methods Appl.* 196, 111805. DOI: 10.1016/j.na.2020.111805
- Coeurdassier M., Bassin N., Powolny T., Morin C., Afonso E. (2020) Prevalence of hematozoan parasites in Red Kite nestlings from France. *J. Ornithol.* DOI: 10.1007/s10336-020-01838-w
- Da Silva A.M., Courquet S., Raoul F., Rieffel D., Giraudoux P., Millon L., Knapp, J. (2020) Assessment of the exposure to *Echinococcus multilocularis* associated with carnivore faeces using real-time quantitative PCR and flotation technique assays. *Int. J. Parasit.* 50, 1195–1204. DOI: 10.1016/j.ijpara.2020.07.008
- Giraudoux P., Levret A., Afonso E., Coeurdassier M., Couval G. (2020) Numerical response of predators to large variations of grassland vole abundance and long-term community changes. *Ecol. Evol.* 10, 14221–14246. DOI:10.1002/ece3.7020
- Jacob J., Imholt C., Caminero-Saldaña C., Couval G., Giraudoux P., Herrero-Cófreces S., Horváth G., Luque-Larena J.J., Tkadlec E., Wymenga E. (2020) Europe-wide outbreaks of common voles in 2019. *J Pest Sci* 93, 703–709. DOI: 10.1007/s10340-020-01200-2
- Knapp J., Gottstein B., Bretagne S., Bart J.-M., Umhang G., Richou C., Bresson-Hadni S., Millon L., (2020) Genotyping *Echinococcus multilocularis* in human alveolar echinococcosis patients: an EmsB microsatellite analysis. *Pathogens* 9, 282. DOI: 10.3390/pathogens9040282
- Martak D., Henriot C.P., Broussier M., Couchoud C., Valot B., Richard M., Couchot J., Bornette G., Hocquet D., Bertrand X. (2020) High Prevalence of human-associated *Escherichia coli* in wetlands located in Eastern France. *Front. Microbiol.* 11, 552566. DOI: 10.3389/fmicb.2020.552566
- Marx T., Bernard N., Parmentier A.-L., Puyraveau M., Martin B., Gantelet M., Pretalli J.-B., Dalphin J.-C., Mauny F., Desmettre T. (2020) Short term association between air pollution (PM₁₀, NO₂ and O₃) and secondary spontaneous pneumothorax. *Sci Rep* 10, 11823. DOI: 10.1038/s41598-020-68831-4
- Morin-Crini N., Scheifler R., Amiot C., Riols R., Coeurdassier M. (2020) Determination of polycyclic aromatic hydrocarbon (PAH) contents in micro-volumes of the whole blood and liver of Red Kite by a simplified GC-MS/MS method. *Int. J. Environ. Anal. Chem.* DOI: 10.1080/03067319.2020.1726899
- Nicod C., Couval G., Giraudoux P., Gillet F. (2020) Vole disturbances and plant community diversity in a productive hay meadow. *Acta Oecol.-Int. J. Ecol.* 106, 103585. DOI: 10.1016/j.actao.2020.103585

Powolny T., Bassin N., Crini N., Fourel I., Morin C., Pottinger T.G., Massemin S., Zahn S., Coeurdassier M. (2020) Corticosterone mediates telomere length in raptor chicks exposed to chemical mixture. *Sci. Total Environ.* 706, 135083. DOI: [10.1016/j.scitotenv.2019.135083](https://doi.org/10.1016/j.scitotenv.2019.135083)

Villette P., Afonso E., Couval G., Levret A., Galan M., Goydadin A.-C., Cosson J.-F., Giraudoux P., (2020) Spatio-temporal trends in richness and persistence of bacterial communities in decline-phase water vole populations. *Sci Rep* 10, 9506. DOI: [10.1038/s41598-020-66107-5](https://doi.org/10.1038/s41598-020-66107-5)

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