

Options for mitigation of the impacts of extreme hydrological events in small catchments with respect to the demands of sustainable agriculture and pond aquaculture

Project name	Options for mitigation of the impacts of extreme hydrological events in small catchments with respect to the demands of sustainable agriculture and pond aquaculture
Registration number	QK1910282
Realization date	01/2019 – 12/2023
Recipient	Masaryk University
Other recipients	ALS Czech Republic, s.r.o. University of South Bohemia in České Budějovice – FFPW USB, Rybníkářství Pohořelice a.s., Research Institute for Soil and Water Conservation
Grant program	Applied „ZEMĚ“ research programme of the Ministry of Agriculture for the period of 2017–2025
Responsible solver	dr hab. Ing. Josef Velíšek, Ph.D.

PROJECT ANNOTATION

The main project goal is to analyse harmful effects of extreme rainfall-runoff events (related with climatic change) on soil, water and water organisms in small agriculturally exploited catchments and to design complex measures for their mitigation, considering healthy production of fish. In this context also effect of potentially risk matters (especially nutrients and pesticides), that enters to the system soil-water in frame of farming, will be studied.



Results of the supported project:

Article: Stará, A., Bellinvia, R., Velíšek, J., Strouhová, A., Kouba, A., Faggio, C. 2019. Acute exposure of common yabby (*Cherax destructor*) to the neonicotinoid pesticide. *Science of the Total Environment* 665: 718–723. (IF 2018 = 5,589; AIS 2018 = 1,061)

Article: Lidová, J., Buřič, M., Kouba, A., Velíšek, J., 2019. Acute toxicity of two pyrethroid insecticides for five non-indigenous crayfish species in Europe. *Veterinární medicína* 64: 125–133. (IF 2018 = 0,636; AIS 2018 = 0,191)

PROJECT BUDGET

	Amount CZK
Total approved costs	19,827 thou. CZK
Public financial support	19,827 thou.. CZK
Other public sources	0 thou. CZK
Non public and foreign sources	0 thou. CZK

CONTACT



dr hab. Ing. Josef Velíšek, Ph.D./ **Responsible solver**

Phone +420 38777 4625, mobil: +420 725 787 931, E- mail: velisek@frov.jcu.cz