

# Ph.D. thesis topics 2020/2021\_Rybářství/Fishery

**M.Sc. Ievgeniia Gazo, Ph.D.** – [gazo@frov.jcu.cz](mailto:gazo@frov.jcu.cz), +420 38777 4607

- DNA damage response genes and proteins in fish embryo development

**prof. Ing. Otomar Linhart, DrSc.** – [linhart@frov.jcu.cz](mailto:linhart@frov.jcu.cz), +420 38777 4743

- Application of short-term storage of common carp sperm for practical breeding

**doc. Ing. Martin Pšenička, Ph.D.** – [pseniccka@frov.jcu.cz](mailto:pseniccka@frov.jcu.cz), +420 38777 4717

- Cryopreservation and restoration of maternal germ plasm in sturgeon

**doc. Ing. Jan Mráz, Ph.D.** – [jmraz@frov.jcu.cz](mailto:jmraz@frov.jcu.cz), +420 38777 4643

- Nutritional bioenergetics of common carp in pond aquaculture

**MVDr. Veronika Piačková, Ph.D.** – [piackova@frov.jcu.cz](mailto:piackova@frov.jcu.cz), +420 38777 4621

- Persistence and spread of common carp viral pathogens in the environment

**doc. M.Sc. Borys Dzyuba, Ph.D.** – [bdzyuba@frov.jcu.cz](mailto:bdzyuba@frov.jcu.cz), +420 38777 4614

- Sperm cryopreservation as a component of selective breeding programs in common carp

**M.Sc. Olga Bondarenko, Ph.D.** – [obondarenko@frov.jcu.cz](mailto:obondarenko@frov.jcu.cz), +420 38777 4607

- Potassium signaling of spermatozoa motility in taxonomically distant fish species

**doc. Ing. Tomáš Polícar, Ph.D.** – [policar@frov.jcu.cz](mailto:policar@frov.jcu.cz), +420 38777 4606

- Induction of triploid populations and their using in pikeperch (*Sander lucioperca*) pond aquaculture
- Production of monosex populations in pikeperch (*Sander lucioperca*) and their benefit for aquaculture
- Optimization of pikeperch (*Sander lucioperca*) juvenile production with emphases on production cost

**MVDr. Eliška Zusková, Ph.D.** – [zuskova@frov.jcu.cz](mailto:zuskova@frov.jcu.cz), +420 38777 4621

- Histology as diagnostic tool in aquaculture

**doc. Ing. Martin Kocour, Ph.D.** – [kocour@frov.jcu.cz](mailto:kocour@frov.jcu.cz), +420 38777 4612

- Genetically improved stocks of common carp – impacts and challenges in Central European pond management conditions