



Mezinárodní konference
International conferences

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Oral presentations (first authored and main presenter)

1. **Roy, K.**, Precanica, M., Dvorak, P., Vrba, J., Kaushik, S.J., Mraz, J., 2019. Is there a eutrophication concern in supplementary feed based common carp farming? Oral presentation, *Aquaculture Europe 2019*, 7–10 October 2019, Berlin, Germany.
2. **Roy, K.**, Vrba, J., Kajgrova, L., Mraz, J., 2022. The concept of balanced fish nutrition in temperate European ponds to tackle eutrophication. Oral presentation, *Aquaculture Europe 2022*, 27–30 September 2022, Rimini, Italy.
3. **Roy, K.**, Vrba, J., Kuebutornye, F., Kajgrova, L., Dvorak, P., Mraz, J., 2023. Nutrient for fish or nutrient from fish: The retention and discarding of digested phosphorus by carp in fishponds. Oral presentation, *Aquaculture Europe 2023*, 18–21 September 2023, Vienna, Austria.
4. **Roy, K.**, Zabransky, L., Petraskova, E., Machova, Z., Tomcala, A., Mraz, J., 2024. Dynamics of amino and fatty acids in pond pelagic plankton consortia: Links to temperature, photoperiod, nutrients and consumer grazing pressure. Oral presentation, *AQUA 2024*, 26–30 August 2024, Copenhagen, Denmark.
5. **Roy, K.**, Bernas, J., Nikl, O., Nahlik, V., Dvorak, P., Kuebutornye, F., Mandal, B., Baten, A., Machova, Z., Tomcala, A., Lepic, P., Gebauer, R., Blaha, M., Vrba, J., Mraz, J., 2025. Reducing feed-food conflict of grain-fed European fishponds by low-opportunity-cost biomass: Ponds, the cow of aquaculture? Oral presentation, *Aquaculture Europe 2025*, 22–25 September 2025, Valencia, Spain.
6. **Roy, K.**, Mraz, J., 2026. Balanced feeding of European carp ponds: impacts on production and environment. Oral presentation, *Aquaculture Europe 2026*, 28 September–1 October 2026, Ljubljana, Slovenia.

Posters (first authored and main presenter)

1. **Roy, K.**, Mandal, B., Hossain, M.F., Nahlik, V., Regenda, J., Roy, D.R., Penka, T., Kucera, V., Malinovskyi, O., Lepic, P., Policar, T., Mraz, J., 2026. Ecological stoichiometry and nutrient reduction strategies for sustainable but intensive hybrid pond systems – concepts for regenerative aquaculture. Poster presentation, *Aquaculture Europe 2026*, 28 September–1 October 2026, Ljubljana, Slovenia.
2. **Roy, K.**, Nahlik, V., Tomcala, A., Gebauer, R., Mraz, J., 2026. Faecal properties of tilapia fed two diets containing low and high inclusion of LOCB (low-opportunity-



cost biomass) at identical digestible macronutrient-energy intake. Poster presentation, Aquaculture Europe 2026, 28 September–1 October 2026, Ljubljana, Slovenia.

3. **Roy, K.**, Spiess, S., Hlawitschka, M.W., Mraz, J., 2026. Industrial decarbonization with sustainable protein production in the AT-CZ region. Poster presentation, Aquaculture Europe 2026, 28 September–1 October 2026, Ljubljana, Slovenia.

Other oral presentations (supervising author and non-presenter)

1. Mandal, B.*, Tomcala, A., Dvorák, P., Náhlík, V., Machová, Z., Mraz, J., **Roy, K.**, 2025. Dynamics of lipid and fatty acids in carp gill-filterable plankton consortia of temperate European fishponds: Signature trends that can be used for planning LC-PUFA mining. Oral presentation, *Aquaculture Europe 2025*, 22–25 September 2025, Valencia, Spain. **Presenting author*
2. Hossain, M.F.*, Mandal, B., Sezimova, K., Nahlik, V., Kuebutornye, F.A.K., Nikl, O., Baten, M.A., Tomcala, A., Machova, Z., Gebauer, R., Franta, P., Lepic, P., Vrba, J., Blaha, M., Zabransky, L., Mraz, J., **Roy, K.**, 2026. Amino acids supply-demand pitfalls in European carp ponds and its fulfillment by precision pond feed. Oral presentation, *Aquaculture Europe 2026*, 28 September–1 October 2026, Ljubljana, Slovenia. **Presenting author*
3. Mandal, B.*, Turchini, G.M., Hossain, M.F., Vrba, J., Nahlik, V., Tomcala, A., Franta, P., Lepic, P., Gebauer, R., Mraz, J., **Roy, K.**, 2026. EPA+DHA sensitive aquaculture in temperate European carp ponds: Proof-of-concept of balanced pond feeding strategy. Oral presentation, *Aquaculture Europe 2026*, 28 September–1 October 2026, Ljubljana, Slovenia. **Presenting author*
4. Franta, P.*, Gebauer, R., Mráz, J., **Roy, K.**, 2026. Upcycling mycotoxin contaminated carbohydrates in EU food system via insect biorefineries. Poster presentation, *Aquaculture Europe 2026*, 28 September–1 October 2026, Ljubljana, Slovenia. **Presenting author*

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