



SEZNAM PUBLIKACÍ (List of publications)

Lektorované odborné časopisy s IF **Peer reviewed journals and their IF**

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2026

1. **Roy, K.**, Mandal, B., Hossain, M.F., Nahlik, V., Regenda, J., Rahi Roy, D., Penka, T., Kucera, V., Malinovskyi, O., Lepic, P., Policar, T. and Mraz, J., 2026. Ecological stoichiometry and nutrient reduction strategies for intensive yet sustainable hybrid pond systems: Concepts for regenerative aquaculture. *Aquacultural Engineering*, 115: 102796. <https://doi.org/10.1016/j.aquaeng.2026.102796> (**IF 2025 = 4,8; AIS 2025 = 0,668**)
2. Hossain, M.F., Sezimova, K., Mraz, J., Gebauer, R., Zabransky, L., **Roy, K.**, 2026. Amino acids in the natural food web of global fishponds: way forward for precision protein feeding in pond cyprinid aquaculture. *Reviews in Aquaculture*, 18(4): e70195. <https://doi.org/10.1111/raq.70195> (**IF 2025 = 13,8; AIS 2025 = 2,365**)
3. Mandal, B., Gebauer, R., Mraz, J., **Roy, K.**, 2026. Spatiotemporal distribution of long-chain polyunsaturated fatty acids (LC-PUFA) in gill filterable fish food webs of European freshwater lakes and ponds: a systematic review. *Environmental Sciences Europe*, 38: 158. <https://doi.org/10.1186/s12302-026-01464-y> (**IF 2025 = 7,1; AIS 2025 = 1,343**)
4. **Roy, K.**, Mraz, J., 2026. The Rings of Power: managing nutrient cycles in aquatic food webs above and beyond primary producers. *Web Ecology*, 26: 27-33. <https://doi.org/10.5194/we-26-27-2026> (**IF 2024 = 2,4; AIS 2024 = 0,896**)
5. Mandal, B., Tomcala, A., Rahi Roy, D., Mraz, J., **Roy, K.**, 2026. Why pond farmed carp remain poor in EPA+DHA despite rich food and genetic repertoire: evidence from pond food-web and fatty acid supply dynamics. *Animal Feed Science and Technology*, 335: 116678. <https://doi.org/10.1016/j.anifeedsci.2026.116678> (**IF 2024 = 2,7; AIS 2024 = 0,494**)
6. Goździewicz, A.M., Glińska-Lewczuk, K., Kruk, M., Vrba, J., Kajgrova, L., Bláha, M., Mráz, J., **Roy, K.**, 2026. Taxonomic, functional and interspecific response of zooplankton to management practices in carp ponds. *Scientific Reports*. <https://doi.org/10.1038/s41598-026-35854-2> (**IF 2024 = 3,9; AIS 2024 = 1,031**)
7. Tellbüscher, A.A., Gebauer, R., Šeda, M., Goldhammer, T., Nikl, O., Ewumi, A.A.F., **Roy, K.**, Monsees, H., Kloas, W., Mráz, J., 2026. A feasibility study on using simplified mass balances to predict potassium in integrated aquaculture. *Aquacultural Engineering*, 102691. <https://doi.org/10.1016/j.aquaeng.2026.102691> (**IF 2024 = 4,3; AIS 2024 = 0,665**)



8. Eljasik, P., Nędzarek, A., Sobczak, M., Lisiecki, S., **Roy, K.**, Śmietana, P., Panicz, R., 2026. Evaluating nutrient removal efficiency of aquatic plants in pond aquaculture discharges. *Aquaculture*, 615: 743645. <https://doi.org/10.1016/j.aquaculture.2026.743645> (IF 2024 = 3,9; AIS 2024 = 0,626)
9. Shaw, C., Knopf, K., Wuertz, S., **Roy, K.**, Gebauer, R., Goldhammer, T., Schöning, V., Kleiner, W., Sens, M., Ulrichs, C. and Kloas, W., 2026. Compensatory Fatty Acid Metabolism and Hepatic Gene Expression in African Catfish (*Clarias gariepinus*) Fed Marine-Ingredient-Free Circular Diets Low in EPA and DHA. *Aquaculture Nutrition*, 2026(1), p.4162985. <https://doi.org/10.1155/anu/4162985> (IF 2025= 4,6; AIS 2025= 0,568)

2025

10. Mráz, J., Mandal, B., Vrba, J., Kajgrová, L., Bláha, M., Kuebutornye, F.K.A., Zábranský, L., Náhlík, V., Lepič, P., **Roy, K.**, 2026. Nutritional requirement of European fishponds to achieve low and efficient feed use avoiding eutrophication. *Aquaculture* 613: 743389. <https://doi.org/10.1016/j.aquaculture.2025.743389> (IF 2024 = 3,9; AIS 2024 = 0,626)
11. **Roy, K.**, Verdegem, M.C.J., Mráz, J., 2025. Ecological Restoration of Inland Aquaculture in Land-Locked Europe: The Role of Semi-Intensive Fishponds and Multitrophic Technologies in Transforming Food Systems. *Reviews in Aquaculture* 17: e12999. <https://doi.org/10.1111/raq.12999> (IF 2023 = 8,800; AIS 2023 = 1,940)
12. **Roy, K.**, Bernas, J., Gebauer, R., Tellbuscher, A.A., Nikl, O., Shaw, C., Folorunso, E.A., Kloas, W., Aubin, J. and Mraz, J., 2025. Environmental impact assessment of fish feed for aquaponic systems to introduce higher phosphorus and potassium in value-added fish sludge. *Aquaculture* 599: 742142. <https://doi.org/10.1016/j.aquaculture.2025.742142> (IF 2023 = 3,900; AIS 2023 = 0,600)
13. Oficialdegui, F.J., Soto, I., Balzani, P., Cuthbert, R.N., Haubrock, P.J., Kourantidou, M., Manfrini, E., Tarkan, A.S., Kurtul, I., Macêdo, R.L., Musseau, C.L., **Roy, K.**, Kouba, A. 2025. Non-Native Species in Aquaculture: Burgeoning Production and Environmental Sustainability Risks. *Reviews in Aquaculture*, 17(3), p.e70037. (IF 2024 = 11,3; AIS 2023 = 2,24)
14. Kuebutornye, F.K.A., **Roy, K.**, Folorunzo, E.A., Tellbüscher, A.A., Bohatá, A., Mráz, J., 2025. Fishpond microbiota, their synergism with fish and potential biotechnological applications. *Aquaculture* 596: 741890. <https://doi.org/10.1016/j.aquaculture.2024.741890> (IF 2023 = 3,900; AIS 2023 = 0,600)
15. Kuebutornye, F.K.A., Tellbüscher, A.A., Dvořák, P., **Roy, K.** and Mraz, J., 2025. Feeding value of low opportunity cost biomasses (agri-food by-products) for development of circular pond fish feeds: An evaluation with common carp (*Cyprinus carpio*). *Aquaculture Reports*, 42, p.102753. <https://doi.org/10.1016/j.aqrep.2025.102753> (IF 2024 = 3,7; AIS 2023 = 0,607)



16. Jia, H., Fuka, Z., Hora, J., Marešová, M., Adámková, V., **Roy, K.** and Mraz, J., 2025. Improving future fish consumption: A case study on developing fish products for preschool children. *Aquaculture Reports*, 40, p.102647. <https://doi.org/10.1016/j.aqrep.2025.102753> (IF 2024 = 3,7; AIS 2023 = 0,607)
17. Tellbüscher, A.A., Gebauer, R., Šeda, M., Goldhammer, T., Nikl, O., **Roy, K.**, Kloas, W., Mráz, J., 2025. Fish manure as a potential feedstock for organic hydroponic nutrient solutions: The effect of fish feed composition and fertilizer amendment on the growth performance of lettuce. *Scientia Horticulturae* 350C: 114309. <https://doi.org/10.1016/j.scienta.2025.114309> (IF 2024 = 4,2; AIS 2023 = 0,608)

2024

18. **Roy, K.**, Vrba, J., Kuebutornye, F.K., Dvorak, P., Kajgrova, L. and Mraz, J., 2024. Fish stocks as phosphorus sources or sinks: Influenced by nutritional and metabolic variations, not solely by dietary content and stoichiometry. *Science of The Total Environment*, 938: 173611. <https://doi.org/10.1016/j.scitotenv.2024.173611> (IF 2022 = 9,800; AIS 2022 = 1,432)
19. **Roy, K.**, Kajgrova, L., Capkova, L., Zabransky, L., Petraskova, E., Dvořák, P., Náhlík, V., Kuebutornye, F.K.A., Blabolil, P., Bláha, M., Vrba, J., Mráz, J., 2024. Synergistic digestibility effect by planktonic natural food and habitat renders high digestion efficiency in agastric aquatic consumers. *Science of the Total Environment* 927: 172105. <https://doi.org/10.1016/j.scitotenv.2024.172105> (IF 2022 = 9,800; AIS 2022 = 1,432)
20. Rahi Roy, D., **Roy, K.**, Panserat, S., Stejskal, V., Mráz, J., Turchini, G.M., 2024. Long chain polyunsaturated fatty acid (LC-PUFA) composition of fish sperm: nexus of dietary, evolutionary, and biomechanical drivers. *Progress in Lipid Research* 96: 101305. <https://doi.org/10.1016/j.plipres.2024.101305> (IF 2023 = 14,000; AIS 2023 = 3,550)
21. Roy, D.R., Gebauer, T., Cerny, J., Stejskal, V. and **Roy, K.**, 2024. Comparative study of long chain polyunsaturated fatty acids (LC-PUFA) accumulation in bold and shy Eurasian perch (*Perca fluviatilis*). *Aquaculture*, p.741598. <https://doi.org/10.1016/j.aquaculture.2024.741598> (IF 2023 = 3,900; AIS 2022 = 0,600)
22. Das, K., **Roy, K.**, Mráz, J., Buřič, M., Kouba, A., 2024. Considerations for protein and amino acids in standardized reference diet for parthenogenetic marbled crayfish *Procambarus virginalis* model organism. *Scientific Reports* 14: 16395. <https://doi.org/10.1038/s41598-024-58304-3> (IF 2023 = 3,800; AIS 2023 = 1,059)
23. Das, K., **Roy, K.**, Mráz, J., Buřič, M., Kouba, A., 2024. Considerations for fatty acids in standardized reference diet for parthenogenetic marbled crayfish *Procambarus virginalis* model organism. *Scientific Reports* 14: 15933. <https://doi.org/10.1038/s41598-024-66268-7> (IF 2023 = 3,800; AIS 2023 = 1,059)



24. Kajgrová, L., Kolar, V., **Roy, K.**, Adámek, Z., Blabolil, P., Kopp, R., Mráz, J., Musil, M., Pecha, O., Pechar, L., Potužák, J., Vrba, J., 2024. A stoichiometric insight into the seasonal imbalance of phosphorus and nitrogen in central European fishponds. *Environmental Sciences Europe* 36: 139. <https://doi.org/10.1186/s12302-024-00968-9> (IF 2023 = 6,000; AIS 2023 = 1,281)
25. Pěnka, T., **Roy, K.** Malinovskyi, O., Tomčala, A., Kučera, V., Mráz, J., Policar, T., 2024. Polyculture of pikeperch (*Sander lucioperca*) and Russian sturgeon (*Acipenser gueldenstaedtii*) using an artificial common pellet – Implications on feed to fish nutrient transfers in recirculating aquaculture system (RAS). *Aquaculture Reports* 38: 102288. <https://doi.org/10.1016/j.aqrep.2024.102288> (IF 2023 = 3,700; AIS 2023 = 0,560)
26. Shaw, C., Knopf, K., **Roy, K.**, Ulrichs, C. and Kloas, W., 2024. Animal versus plant protein sources in marine ingredient-free aquaponic diets: A case study on nutrient release, and retention of African catfish (*Clarias gariepinus*) reared in RAS. *Aquaculture*, p.740641. <https://doi.org/10.1016/j.aquaculture.2024.740641> (IF 2022 = 4,500; AIS 2022 = 0,601)

2023

27. **Roy, K.**, Dvořák, P., Machová, Z., Mráz, J., 2023. Nutrient footprint versus EPA +DHA security in land-locked regions—more of local pond farmed, imported marine fish or fish oil capsules? *npj Science of Food* 7: 48. <https://doi.org/10.1038/s41538-023-00224-z> (IF 2022 = 6,400; AIS 2022 = 1,276)
28. **Roy, K.**, Másílko, J., Kajgrová, L., Kuebutornye, F.K.A., Oberle, M., Mráz, J., 2023. End-of-season supplementary feeding in European carp ponds with appropriate plant protein and carbohydrate combinations to ecologically boost productivity: Lupine, rapeseed and, triticale. *Aquaculture* 577: 739906. <https://doi.org/10.1016/j.aquaculture.2023.739906> (IF 2022 = 4,500; AIS 2022 = 0,601)
29. **Roy, K.**, Das, K., Petraskova, E., Kouba, A., 2023. Protein from whole-body crayfish homogenate may be a high supplier of leucine or branched-chain amino acids – A call for validation on genus *Procambarus* sp. *Food Chemistry* 427: 136728. <https://doi.org/10.1016/j.foodchem.2023.136728> (IF 2022 = 8,800; AIS 2022 = 1,021)
30. Kajgrová, L., Pecha, O., **Roy, K.**, Dvořák, J., Let, M., Potužák, J., Vrba, J., Bláha, M., 2024. Pond cascades as a tool for ecological aquaculture allowing natural zooplankton succession, nutrient retention, and multiple stocking–harvesting cycles. *Aquacultural Engineering* 104: 102374. <https://doi.org/10.1016/j.aquaeng.2023.102374> (IF 2022 = 4,000; AIS 2022 = 0,541)
31. Roy, D.R., **Roy, K.**, Tomcala, A., Matousek, J., Mraz, J. and Stejskal, V., 2024. Fatty acid and energy (ATP-related compounds) metabolism of Eurasian perch (*Perca fluviatilis*) sperm: Endogenous metabolic strategy. *Aquaculture*, 579: 740183. <https://doi.org/10.1016/j.aquaculture.2023.740183> (IF 2022 = 4,500; AIS 2022 = 0,601)



32. Kuebutornye, F.K.A., **Roy, K.**, Folorunso, E.A., Mraz, J., 2024. Plant-based feed additives in *Cyprinus carpio* aquaculture. *Reviews in Aquaculture* 16: 309-336. <https://doi.org/10.1111/raq.12840> (IF 2022= 10.4, AIS 2022= 1.767)
33. Verreth, J.A.J., **Roy, K.**, Turchini, G.M., 2023. Special Issue Editorial: Circular bio-economy in aquaculture. *Reviews in Aquaculture* 15, 944-946. <https://doi.org/10.1111/raq.128128> (IF 2022= 10.4, AIS 2022= 1.767)

2022

34. **Roy, K.**, Kajgrova, L., Mraz, J., 2022. TILAFed: A bio-based inventory for circular nutrients management and achieving bioeconomy in future aquaponics. *New Biotechnology*, 70: 9-18. <https://doi.org/10.1016/j.nbt.2022.04.002> (IF 2021: 6.49)
35. **Roy, K.**, Vrba, J., Kajgrova, L., Mraz, J., 2022. The concept of balanced fish nutrition in temperate European fishponds to tackle eutrophication. *Journal of Cleaner Production* 364: 132584. <https://doi.org/10.1016/j.jclepro.2022.132584> (IF 2021: 11.072)
36. Colombo, S.M., **Roy, K.**, Mraz, J., Wan, A.H.L., Davies, S.J., Tibbetts, S.M., Øverland, M., Francis, D.S., Rocker, M.M., Gasco, L., Spencer, E., Metian, M., Trushenski, J.T., Turchini, G.M., 2023. Towards achieving circularity and sustainability in feeds for farmed blue foods. *Reviews in Aquaculture* 15(3):1115-1141. <https://doi.org/10.1111/raq.12766> (IF 2021: 10.618)
37. Mraz, J., Jia, H., **Roy, K.**, 2023. Biomass losses and circularity along local farm-to-fork: A review of industrial efforts with locally farmed freshwater fish in land-locked Central Europe. *Reviews in Aquaculture* 15(3):1083-1099. <https://doi.org/10.1111/raq.12760> (IF 2021: 10.618)
38. Jia, H., **Roy, K.**, Pan, J., Mraz, J. 2022. Icy affairs: Understanding recent advancements in the freezing and frozen storage of fish. *Comprehensive Reviews in Food Science and Food Safety*, 1- 25. <https://doi.org/10.1111/1541-4337.12883> (IF 2021: 15.786)
39. Kajgrová, L., Blabolil, P., Drozd, B., **Roy, K.**, Regenda, J., Šorf, M., Vrba, J., 2022. Negative effects of undesirable fish on common carp production and overall structure and functioning of fishpond ecosystems. *Aquaculture*, 549, p.737811. <https://doi.org/10.1016/j.aquaculture.2021.737811> (IF 2021: 5.135)
40. Mishra, A., Shah, B.R., **Roy, K.**, Abdelsalam, E.E.E., Piačková, V., Shaik, H.A., Dvořák, P., Velíšek, J., Kuebutornye, F.K.A., Mráz, J., 2023. Andrographolide loaded Pickering emulsion: A bioactive component for improved growth, digestibility, and haematological properties in cultured common carp *Cyprinus carpio*. *Aquaculture* 562: 738810. <https://doi.org/10.1016/j.aquaculture.2022.738810> (IF 2021: 5.135)
41. Žák, J., **Roy, K.**, Dyková, I., Mráz, J. and Reichard, M. 2022. Starter feed for carnivorous species as a practical replacement of bloodworms for a vertebrate model organism in ageing, turquoise killifish *Nothobranchius furzeri*. *Journal of Fish Biology*, <https://doi.org/10.1111/jfb.15021> (IF 2021: 2.504)



2021

42. Hao, R., **Roy, K.**, Pan, J., Shah, B.R., Mraz, J. 2021. Critical review on the use of essential oils against spoilage in chilled stored fish: A quantitative meta-analyses. *Trends in Food Science and Technology*, **111**: 175-190. <https://doi.org/10.1016/j.tifs.2021.02.054> (IF 2020: 12.563).
43. **Roy, K.**, Podhorec, P., Dvorak, P., Mraz, J., 2021. Understanding Nutrition and Metabolism of Threatened, Data-Poor Rheophilic Fishes in Context of Riverine Stocking Success-Barbel as a Model for Major European Drainages?. *Biology*, 10(12), p.1245. <https://doi.org/10.3390/biology10121245> (IF 2020: 5.079)
44. **Roy, K.**, Turkmen, S., Turchini, G. (eds.). 2021. Editorial: Triggering circularity in aquaculture – an introductory virtual special issue. In: Reviews in Aquaculture: Special Virtual Issue, Circularity in Aquaculture. *Reviews in Aquaculture*, [https://onlinelibrary.wiley.com/doi/toc/10.1111/\(ISSN\)1753-5131.circularity-in-aquaculture?](https://onlinelibrary.wiley.com/doi/toc/10.1111/(ISSN)1753-5131.circularity-in-aquaculture?) (IF 2020: 10.592).
45. Sarkar, U.K.*, **Roy, K.***, et al. 2021. Assessing vulnerability of freshwater minnows in the Gangetic floodplains of India for conservation and management: Anthropogenic or climatic change risk? *Climate Risk Management*, **33**: 100325 <https://doi.org/10.1016/j.crm.2021.100325> (IF 2020: 4.09). *(joint first authorship).
46. Sarkar, U.K.*, **Roy, K.***, et al. 2021. Reproductive environment of the decreasing Indian river shad in Asian inland waters: disentangling the climate change and indiscriminative fishing threats. *Environmental Science and Pollution Research*, **28**: 30207–30218 <https://doi.org/10.1007/s11356-021-12852-7> (IF 2020: 4.223). *(joint first authorship).
47. Sarkar, S.D., Sarkar, U.K., Naskar, M., **Roy, K.**, Bose, A.K., Nag, S.K., Karnatak, G., Das, B.K., 2021. Effect of climato-environmental parameters on chlorophyll a concentration in the lower Ganga basin, India. *Rev. Biol. Trop.* 69(1), 60-76. <http://dx.doi.org/10.15517/rbt.v69i1.42731> (IF 2020: 0.723).

2020

48. Das Sarkar, S., Sarkar, U.K., Lianthumluaia, L., Ghosh, B.D., **Roy, K.**, et al. 2020. Pattern of the state of eutrophication in the floodplain wetlands of eastern India in context of climate change: a comparative evaluation of 27 wetlands. *Environmental Monitoring and Assessment*, **192**: 183. <https://doi.org/10.1007/s10661-020-8114-8> (IF 2019: 1.903).
49. Folorunso, E.A., **Roy, K.**, Gebauer, R., Bohatá, A., Mraz, J. 2021. Integrated pest and disease management in aquaponics: A metadata-based review. *Reviews in Aquaculture*, **13**: 971-995 <https://doi.org/10.1111/raq.12508> (IF 2020: 10.592).
50. Karnatak, G., Sarkar, U., Naskar, M., **Roy, K.**, et al. 2020. Modeling pre-spawning fitness and optimal climate of spotted snakehead *Channa punctata* (Bloch, 1793) from a Gangetic floodplain wetland of West Bengal, India. *International Journal of Biometeorology*, **64**: 1889-1898. <https://doi.org/10.1007/s00484-020-01976-z> (IF 2019: 2.68).



51. Lunda, R.*, **Roy, K.***, Dvořák, P., Kouba, A., Mráz, J. 2020. Recycling biofloc waste as novel protein source for crayfish with special reference to crayfish nutritional standards and growth trajectory. *Scientific Reports*, **10**: 19607 <https://doi.org/10.1038/s41598-020-76692-0> (**IF 2020: 4.379**). *(joint first authorship).
52. **Roy, K.**, Vrba, J., Kaushik, S.J. Mráz, J. 2020. Nutrient footprint and ecosystem services of carp production in European fishponds in contrast to EU crop and livestock sectors. *Journal of Cleaner Production*, **270**: 122268 <https://doi.org/10.1016/j.jclepro.2020.122268> (**IF 2020: 9.297**).

2019

53. Dvorak*, P., **Roy*, K.**, Andreji, J., Liskova, Z. D., Mráz, J. 2020. Vulnerability assessment of wild fish population to heavy metals in military training area: Synthesis of a framework with example from Czech Republic. *Ecological Indicators*, **110**: 105920. <https://doi.org/10.1016/j.ecolind.2019.105920> (**IF 2019: 4.229**). *(joint first authorship).
54. Lunda*, R., **Roy*, K.**, Másilko, J., Mráz, J. 2019. Understanding nutrient throughput of operational RAS farm effluents to support semi-commercial aquaponics: Easy upgrade possible beyond controversies. *Journal of Environmental Management*, **245**: 255-263. <https://doi.org/10.1016/j.jenvman.2019.05.130> (**IF 2018: 4.865**) *(joint first authorship).
55. Nag, S.K., Nandy, S.K., **Roy, K.**, Sarkar, U.K., Das, B.K. 2019. Carbon balance of a sewage-fed aquaculture wetland. *Wetlands Ecology and Management*, **27**: 311-322. <https://doi.org/10.1016/j.jenvman.2019.05.130> (**IF 2018: 2.250**).
56. **Roy, K.**, Vrba, J., Kaushik, S.J. Mráz, J. 2020. Feed-based common carp farming and eutrophication: is there a reason for concern?. *Reviews in Aquaculture*, **12**: 1736-1758 <https://doi.org/10.1111/raq.12407> (**IF 2019: 7.772**).
57. Sarkar, U.K., Naskar, M., Srivastava, P.K., **Roy, K.**, et al. 2019. Climato-environmental influence on breeding phenology of native catfishes in river Ganga & modeling species response to climatic variability for their conservation. *International Journal of Biometeorology*, **63**: 991-1004. <https://doi.org/10.1007/s00484-019-01703-3> (**IF 2018: 2.377**).
58. Sarkar, U.K., **Roy, K.**, Naskar, M. et al. 2019. Minnows may be more reproductively resilient to climatic variability than anticipated: Synthesis from a reproductive vulnerability assessment of Gangetic pool barbs (*Puntius sophore*). *Ecological Indicators*, **105**: 727-736. <https://doi.org/10.1016/j.ecolind.2019.03.037> (**IF 2018: 4.490**).

2018

59. Bose, R., Bose, A.K., Das, A.K., Parashar, A., **Roy, K.** 2018. Fish diversity and limnological parameters influencing fish assemblage pattern in Chambal River basin of Madhya Pradesh, India. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*, 1-13. <https://doi.org/10.1007/s40011-017-0958-5> (**IF: 0.396**)



60. Joshi, K.D. Das, S.C.S., Pathak¹, R.K., Khan, A.U., Sarkar, U.K. and **Roy, K.** 2018. Pattern of reproductive biology of the endangered Golden Mahseer *Tor putitora* (Hamilton, 1822) with special reference to regional climate change implications on breeding phenology from lesser Himalayan region, India. *Journal of Applied Animal Research*, 46(1): 1289-1295. <https://doi.org/10.1080/09712119.2018.1497493> (IF: 0.435)
61. Karnatak, G., Sarkar, U.K., Naskar, M., **Roy, K.** et al. 2018. Understanding role of climatic and environmental parameters in gonadal maturation and spawning periodicity of spotted snakehead, *Channa punctata* (Bloch, 1793) in a tropical floodplain wetland, India. *Environmental Biology of Fishes*, 101(4): 595-607. <https://doi.org/10.1007/s10641-018-0722-6> (IF: 1.255).
62. Sarkar, U.K., Naskar, M., **Roy, K.** et al. 2018. Baseline information of reproduction parameters of an amphidromous croaker *Johnius coitor* (Hamilton, 1822) from Ganga River basin, India with special reference to potential influence of climatic variability. *Aquatic Living Resources*, 31(4): 1-12. <https://doi.org/10.1051/alr/2017042> (IF: 1.327).
63. Sarkar, U.K., **Roy, K.**, Karnatak, G. and Nandy, S.K. 2018. Adaptive climate change resilient indigenous fisheries strategies in the floodplain wetlands of West Bengal, India. *Journal of Water and Climate Change*, jwc2018271. <https://doi.org/10.2166/wcc.2018.271> (IF: 0.917)

2017

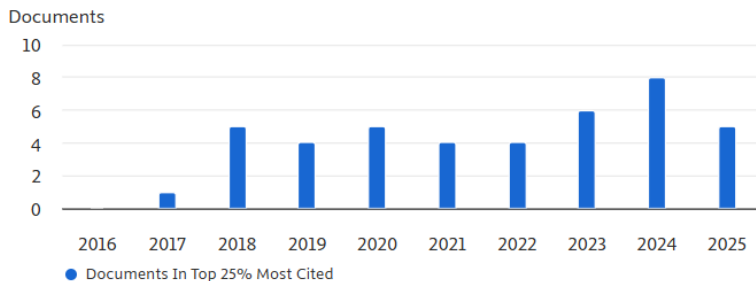
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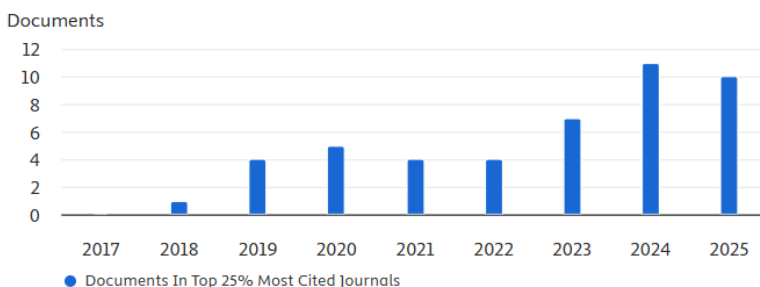


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