Asian Journal of Multidimensional Research

ISSN: 2278-4853 Vol. 11, Issue 11, November 2022 SJIF 2022 = 8.179

A peer reviewed journal

MORPHOLOGICAL CHARACTERISTICS OF PIKE PERCH, SANDER LUCIOPERCA, AIDARO-ARNASAI SYSTEM OF LAKES OF UZBEKISTAN

Dekhkonova, D.R*; Kanatbayeva T.S**; Sobirov J.J***; Yuldashov, M.A****; Kamilov. B.G*****

*Researcher, Tashkent State Agrarian University, Tashkent, UZBEKISTAN

**Researcher, Navoi State Pedagogical Institute, UZBEKISTAN

***Researcher,
Institute of Zoology of the Academy of Sciences of UZBEKISTAN
Email id: mansuryuldashov@mail.ru, dexqonova@mail.ru

DOI: 10.5958/2278-4853.2022.00327.5

ABSTRACT

The morphological characteristic of pike perch (Sander Lucioperca) - invasive species in the middle stream of the River Syrdarya - which has become one of the main commercial species in the Aydar-Arnasay Lake System in Uzbekistan. The formula of dorsal fin rays was XIII-XV, II-III 19-22, of anal fin rays II – III, 11 - 12, 87 - 103 scales in lateral line and 64 - 198 gil rakers were determined. The presence of 10 - 13 pyloric appendages was revealed at pike-perch. Indices of plastic signs are given.

KEYWORDS: Pike-Perch, Sander Lucioperca, Fish Morphology, Invasive Species, Aydar-Arnasay Lake System, Sirdarya River, Uzbekistan.

REFERENCES:

- 1. Berg L.S. Freshwater fishes of the USSR and neighboring countries. In 3 volumes. Moscow, publishing house of the Academy of Sciences of the USSR, 1948-49. Kamilov G.K. 1973
- **2.** Kamilov G.K. Fish and biological bases of fishery development of reservoirs in Uzbekistan. Tashkent, Fan, 1973. 220p.
- **3.** Mirzaev U.T., Kamilov B.G. Characteristics of the reproductive ability of pike-perch females of the Yuzhnosurkhansky reservoir. Uzbek biological journal, 1993, 1, p. 59-61.
- **4.** Pravdin I.F. Guide to the study of fish (mainly freshwater). Moscow, Food industry. -376 p.
- **5.** Fishes of Kazakhstan: in 5 volumes. Volume 4. / Mitrofanov V.P., Dukravets G.M. and others Alma-Ata, Nauk, 1989. 312 p.

Asian Journal of Multidimensional Research

ISSN: 2278-4853 Vol. 11, Issue 11, November 2022 SJIF 2022 = 8.179 A peer reviewed journal

- **6.** Salikhov T.V., Kamilov B.G. Atajanov A.K., Fishes of Uzbekistan (determinant). Tashkent: Chinor ENK, 2001, 152 p.
- 7. Yuldashov M.A., Kamilov B.G. Results of introductions of alien fish species into water bodies of Uzbekistan. Scientific works of Dalrybytuz, 2018, 44 (1). With. 40-48.
- **8.** He, Y., Wang, RLJ, Blanchet, S., Lek, S. Morphological Variation Among Wild Populations of Chinese Rare Minnow (Gobiocypris rarus): Deciphering the Role of Evolutionary Processes. Zoological Science, 30(6):475-483. 2013.
- **9.** Lagler, KF, JE Bardach, RR Miller, and DRM Passino. 1977. Ichthyology. Wiley, New York.
- **10.** Moyle, PB, and JJ Cech, Jr. 1981. Fishes: an introduction to ichthyology. PrenticeHall, Englewood Cliffs, New Jersey.
- **11.** Murta AG (2000) Morphological variation of horse mackerel (Trachurus trachurus) in the Iberian and North Africa Atlantic: implications for stock identification. ICES J Mar Sci 57: 1240–1248
- **12.** Silva A (2003) Morphometric variation among sardine (Sardina pilchardus) populations from the northeastern Atlantic and the western Mediterranean. ICES J Mar Sci 60: 1352–1360
- **13.** Turan C, Oral M, Öztürk B, Düzgünes E (2006) Morphometric and meristic variation between stocks of Bluefish (Pomatomus saltatrix) in the Black, Marmara, Aegean and northeastern Mediterranean Seas. Fish Res 79:139–147