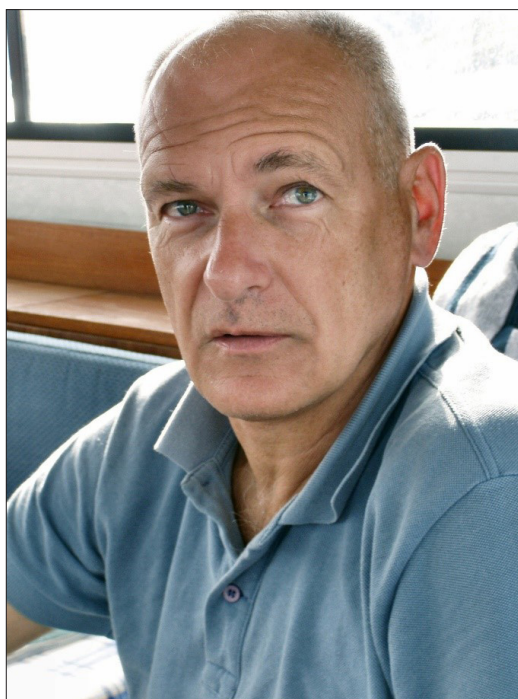


IN MEMORIAM

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This volume is dedicated to our friend and colleague Dr. MIRO KRALJEVIĆ who was devoted to research of aquaculture and fisheries biology.



DR. MIRO KRALJEVIĆ

1949-2024

Dr. Miro Kraljević, scientific advisor to the Institute of Oceanography and Fisheries in Split, died on 26 August 2024 at the age of 75. The passing of our colleague, who was an outstanding scientist in the field of aquaculture, fisheries science and marine biology in Croatia, is a great loss for us and the entire Croatian scientific community.

Dr. Miro Kraljević was born on February 16, 1949 in Ljubljana. He received his primary and secondary education in Belgrade and Split, and completed his academic education at the Faculty of Natural Sciences at the University of Zagreb, where he obtained his bachelor's degree in biology in 1974, his master's degree in ecology in 1977 and his doctorate in biology in 1995. From 1975 until recently, Miro worked in the Laboratory of Aquaculture and the Laboratory of Ichthyology and Coastal Fishery at the Institute of Oceanography and Fisheries in Split, Croatia.

His scientific work began in 1977 with a master's thesis entitled "On the experimental feeding of gilt-head sea bream (*Sparus aurata* L.) under aquarium

conditions", and continued with a doctoral thesis entitled "Growth of gilt-head sea bream *Sparus aurata* and sheep-head bream *Diplodus puntazzo* under natural and experimental conditions". Miro's research focused on ichthyology and fisheries, systematics, morphology, biology and ecology of Adriatic fish, long-term changes in fish, crustacean and cephalopod communities, and small-scale fisheries in the eastern Adriatic coastal area. He has published 87 original scientific papers and about 20 environmental studies and reports.

He was a member of the Mediterranean Science Commission (CIESM), the Croatian Ichthyological Society and the Croatian Biological Society. At the faculty of Marine Fisheries at the University of Split and at the University of Dubrovnik he taught several courses, promoting ichthyological research and fisheries science among the younger generation and educating future scientists in these fields. Even after his retirement, Miro continued to actively participate in the activities of his laboratory and was a valuable link to the fishermen's community. His experience and memory of details related to changes in

the environment and juvenile fish communities were invaluable. Fieldwork brought him great joy, and he never shied away from the hard work it entailed. He was exceptionally meticulous in handling samples, continually educating others on the importance of proper sampling for accurate analyses and conclusions.

Apart from his valuable scientific contributions, Miro will be remembered by his colleagues for his enthusiasm, his team spirit and his love of the sea. He had

a playful, boyish spirit, making every moment with him cheerful and interesting.

Dear Miro, as we slowly sail toward year 2025, our scientific voyage feels emptier without you. So, let us greet you the way you always greeted us - "Happy New Year!". Rest peacefully, dear friend.

Dr. Jakov Dulčić, Head of Laboratory for Ichthyology and Coastal Fishery, IOR, Split

Bibliography of selected papers (in chronological order)

- Matić-Skoko, S., Stagličić, N., **Kraljević, M.**, Pallaoro, A., Dulčić, J. 2015. The biological traits of the large red scorpionfish, *Scorpaena scrofa*: temporal and ontogenetic dynamics. Estuarine, Coastal and Shelf Science, 152, 91-99. <https://doi.org/10.1016/j.ecss.2014.11.019>
- Matić-Skoko, S., Ferri, J., **Kraljević, M.**, Pallaoro, A. 2012. Age estimation and specific growth pattern of boxlip mullet, *Oedalechilus labeo* (Cuvier, 1829) (Osteichthyes, Mugilidae) in the eastern Adriatic Sea. Journal of Applied Ichthyology, 28(2), 182-188. <https://doi.org/10.1111/j.1439-0426.2011.01907.x>
- Dulčić, J., Pallaoro, A., Matić-Skoko, S., Dragičević, B., Tutman, P., Grgičević, R., Stagličić, N., Bukvić, V., Pavličević, J., Glamuzina, B., **Kraljević, M.** 2011. Age, growth and mortality of common two-banded seabream, *Diplodus vulgaris* (Geoffroy Saint-Hilaire, 1817), in the eastern Adriatic Sea (Croatian coast). Journal of Applied Ichthyology, 27(5), 1254-1258. <https://doi.org/10.1111/j.1439-0426.2011.01806.x>
- Kraljević, M.**, Dulčić, J., Pallaoro, A., Matić-Skoko, S. 2011. Age and growth determination of the golden grey mullet, *Liza aurata* (Risso, 1810) from the Adriatic Sea by using scale readings and length frequency analysis. Acta Adriatica, 52(2), 223-234.
- Matić-Skoko S., Stagličić, N., **Kraljević, M.**, Pallaoro, A., Tutman, P., Dragičević, B., Grgičević, R., Dulčić, J. 2011. Croatian artisanal fisheries and the state of its littoral resources on the threshold of entering the EU: effectiveness of conventional management and perspectives for the future. Acta Adriatica, 52(1), 87-100.
- Matić-Skoko, S., Stagličić, N., Pallaoro, A., **Kraljević, M.**, Dulčić, J., Tutman, P., Dragičević, B. 2011. Effectiveness of conventional management in Mediterranean type artisanal fisheries. Estuarine, Coastal and Shelf Science, 91(2), 314-324. <https://doi.org/10.1016/j.ecss.2010.10.029>
- Milić, D., **Kraljević, M.** 2011. Biometry analysis of the whiting, *Merlangius merlangus* (Linnaeus, 1758) from the northern Adriatic Sea. Acta Adriatica, 52(1), 125-136.
- Stagličić, N., Matić-Skoko, S., Pallaoro, A., Grgičević, R., **Kraljević, M.**, Tutman, P., Dragičević, B., Dulčić, J. 2011. Long-term trends in the structure of eastern Adriatic littoral fish assemblages: Consequences for fisheries management. Estuarine, Coastal and Shelf Science, 94(3), 263-271. <https://doi.org/10.1016/j.ecss.2011.07.005>
- Pallaoro, A., Dulčić, J., Matić-Skoko, S., **Kraljević, M.**, Jardas, I. 2008. Biology of the salema, *Sarpa salpa* (L. 1758) (Pisces, Sparidae) from the middle-eastern Adriatic. Journal of Applied Ichthyology, 24(3), 276-281. <https://doi.org/10.1111/j.1439-0426.2008.01063.x>
- Dulčić, J., **Kraljević, M.** 2007. On the record of the red seabream, *Pagrus major* (Temminck and Schlegel, 1843) (Osteichthyes: Sparidae), in the Adriatic Sea. Scientia Marina, 71(1), 15-17.
- Dulčić, J., Matić-Skoko, S., Paladin, A., **Kraljević, M.** 2007. Age, growth and mortality of brown comber, *Serranus hepatus* (Linnaeus, 1758) (Pisces: Serranidae), in the eastern Adriatic (Croatian coast). Journal of Applied Ichthyology, 23(2), 195-197. <https://doi.org/10.1111/j.1439-0426.2006.00840.x>
- Dulčić, J., Tutman, P., Matić-Skoko, S., **Kraljević, M.**, Jug-Dujaković, J., Glavić, N., Kožul, V., Glamuzina, B., Bartulović, V., Skaramuca, B. 2007. A list of Y-O-Y fish species found in the littoral shallows of the Neretva and Mala Neretva estuaries (Eastern Adriatic, Croatian coast). Acta Adriatica, 48(1), 89-94.
- Kraljević, M.**, Matić-Skoko, S., Dulčić, J., Pallaoro, A., Jardas, I., Glamuzina, B. 2007. Age and growth of sharpnose seabream *Diplodus puntazzo* (Cetti, 1777) in the eastern Adriatic Sea. Cahiers de Biologie Marine, 48(2), 145-154.
- Matić Skoko, S., Ferri, J., **Kraljević, M.**, Dulčić, J. 2007. Growth of juvenile striped seabream, *Lithognathus mormyrus* (Teleostei: Sparidae) in the Adriatic Sea. Journal of Applied Ichthyology, 23(3), 286-287-x. <https://doi.org/10.1111/j.1439-0426.2007.00841.x>
- Matić-Skoko, S., **Kraljević, M.**, Dulčić, J., Jardas, I. 2007. Age, growth, maturity, mortality, and yield-per-recruit for annular sea bream (*Diplodus annularis* L.) from the eastern middle Adriatic Sea. Journal of Applied Ichthyology, 23(2), 152-157. <https://doi.org/10.1111/j.1439-0426.2006.00816.x>
- Matić-Skoko, S., **Kraljević, M.**, Dulčić, J., Pallaoro, A., Lučić, D., Glamuzina, B. 2007. Growth of juvenile sharpnose seabream, *Diplodus puntazzo* (Teleostei: Sparidae) in the Kornati Archipelago, eastern Adriatic Sea. Vie et Milieu, 57(1-2), 13-19.
- Pallaoro, A., Dulčić, J., Jardas, I., **Kraljević, M.** 2007. Some biological parameters of the Mediterranean sand smelt *Atherina (Atherina) hepsetus*, Linnaeus, 1758 (Pisces: Atherinidae) from the middle eastern Adriatic (Croatian coast). Journal of Applied Ichthyology, 23(2), 189-192. <https://doi.org/10.1111/j.1439-0426.2006.00808.x>
- Dulčić, J., Matić-Skoko, S., **Kraljević, M.**, Fencil, M., Glamuzina, B. 2005. Seasonality of a fish assemblage in shallow waters of Duće-Glava, eastern middle Adriatic. Cybium, 29(1), 57-63.
- Dulčić, J., Matić-Skoko, S., **Kraljević, M.** 2005. New record of serpent eel *Ophisurus serpenes* (Linnaeus, 1758) (Ophichthidae) in the Adriatic waters with a review of recent

- Adriatic records. *Annales: Series Historia Naturalis*, 14(2), 181-186.
- Kraljević, M.**, Tudor, M., Dulčić, J., Skaramuca, B. 2004. Effects of three diets on growth and body composition of gilthead sea bream, *Sparus aurata*. *Acta Adriatica*, 45(1), 51-63.
- Matić-Skoko, S., Antolić, B., **Kraljević, M.** 2004. Ontogenetic and seasonal feeding of the annular seabream (*Diplodus annularis* L.) in *Zostera* sp. beds, eastern Adriatic Sea. *Journal of Applied Ichthyology*, 20, 376-381. <https://doi.org/10.1111/j.1439-0426.2004.00585.x>
- Matić-Skoko, S., **Kraljević, M.**, Dulčić, J. 2004. Fecundity of blotched picarel *Spicara maena* L. (Pisces: Centranchthidae) in the eastern central Adriatic Sea. *Acta Adriatica*, 45(2), 155-162.
- Dulčić, J., Pallaoro, A., Cetinić, P., **Kraljević, M.**, Soldo, A., Jardas, I. 2003. Age, growth and mortality of picarel, *Spicara smaris* L. (Pisces: Centranchthidae), from the eastern Adriatic (Croatian coast). *Journal of Applied Ichthyology*, 19(1), 10-14. <https://doi.org/10.1046/j.1439-0426.2003.00345.x>
- Dulčić, J., Matić, S., **Kraljević, M.** 2002. Shallow coves as nurseries for non-resident fish: a case study in the eastern middle Adriatic. *Journal of the Marine Biological Association of the United Kingdom*, 82(6), 991-993. <https://doi.org/10.1017/S0025315402006501>
- Dulčić, J., Matić, S., **Kraljević, M.**, Franičević, M., Lipej, L. 2002. New data on the cuskeel, *Ophidion rochei* (Osteichthyes: Ophidiidae), from the eastern Adriatic. *Journal of the Marine Biological Association of the United Kingdom*, 82(6), 1045-1046. <https://doi.org/10.1017/S0025315402006665>
- Kožul, V., Skaramuca, B., **Kraljević, M.**, Dulčić, J., Glamuzina, B. 2001. Age, growth and mortality of the Mediterranean amberjack *Seriola dumerili* (Risso, 1810) from the south-eastern Adriatic Sea. *Journal of Applied Ichthyology*, 17, 134-141. <https://doi.org/10.1111/j.1439-0426.2001.00301.x>
- Matić, S., **Kraljević, M.**, Dulčić, J. 2001. Spatio-temporal variability in composition of inshore juvenile fish populations along the west coast of Istra, Northern Adriatic. *Acta Adriatica*, 42(2), 71-84.
- Dulčić, J., **Kraljević, M.**, Grbec, B., Cetinić, P. 2000. Age, growth and mortality of blotched picarel *Spicara maena* (Pisces: Centranchthidae) in the eastern central Adriatic. *Fisheries Research*, 48(1), 69-78. [https://doi.org/10.1016/S0165-7836\(00\)00112-0](https://doi.org/10.1016/S0165-7836(00)00112-0)
- Dulčić, J., Pallaoro, A., **Kraljević, M.** 2000. Occurrence of Bluefish, *Pomatomus saltator* (Linnaeus, 1766) and Butterfish, *Stromateus fiatola* (Linnaeus, 1758), juveniles in the eastern central Adriatic. *Annales: Series Historia Naturalis*, 19(1), 19-22.
- Cetinić, P., Jardas, I., Dulčić, J., Pallaoro, A., **Kraljević, M.**, Soldo, A. 1999. Effects of the "migavica" beach seine on coastal fish communities. *Folia Universitatis Agriculturae Stetinensis*, 192(25), 25-35.
- Dulčić, J., Kožul, V., **Kraljević, M.**, Skaramuca, B., Glamuzina, B., Ré, P. 1999. Embryonic and larval development of the brown wrasse *Labrus merula* (Pisces: Labridae). *Journal of the Marine Biological Association of the United Kingdom*, 79(2), 327-332. <https://doi.org/10.1017/S0025315498000368>
- Glamuzina, B., Skaramuca, B., Glavić, N., Kožul, V., Dulčić, J., **Kraljević, M.** 1998. Egg and early larval development of laboratory reared dusky grouper, *Epinephelus marginatus* (Lowe, 1834) (Pisces: Serranidae). *Scientia Marina*, 62(4), 373-378.
- Kraljević, M.**, Dulčić, J., Tudor, M. 1998. Growth parameters of the gilt-head sea bream (*Sparus aurata*) in the eastern Adriatic (Croatian waters). *Periodicum Biologorum*, 100(1), 87-91.
- Pallaoro, A., Cetinić, P., Dulčić, J., Jardas, I., **Kraljević, M.** 1998. Biological parameters of the saddlehead bream, *Oblada melanura* in the eastern Adriatic. *Fisheries Research*, 38(2), 199-205. [https://doi.org/10.1016/S0165-7836\(98\)00120-9](https://doi.org/10.1016/S0165-7836(98)00120-9)
- Dulčić, J., **Kraljević, M.**, Grbec, B., Pallaoro, A. 1997. Composition and seasonal fluctuations of inshore juvenile fish populations in the Kornati archipelago, eastern middle Adriatic. *Marine Biology*, 129(2), 267-277. <https://doi.org/10.1007/s002270050167>
- Dulčić, J., Kršinić, F., **Kraljević, M.**, Pallaoro, A. 1997. Occurrence of fingerlings of grey triggerfish, *Balistes carolinensis* Gmelin, 1789 (Pisces: Balistidae) in the eastern Adriatic. *Annales: Series Historia Naturalis*, 11, 217-276.
- Dulčić, J., Pallaoro, A., **Kraljević, M.** 1997. First record of pompano fingerling, *Trachinotus ovatus* (Linnaeus, 1758) (Pisces: Carangidae), in the eastern middle Adriatic. *Natura Croatica*, 6(1), 61-65.
- Kraljević, M.**, Dulčić, J. 1997. Age and growth of gilt-head sea bream (*Sparus aurata* L.) in the Mirna Estuary, northern Adriatic. *Fisheries Research*, 31(3), 249-255. [https://doi.org/10.1016/S0165-7836\(97\)00016-7](https://doi.org/10.1016/S0165-7836(97)00016-7)
- Dulčić, J., **Kraljević, M.** 1996. Growth of the black sea bream *Spondyliosoma cantharus* (L.) in the eastern middle Adriatic. *Archive of Fishery and Marine Research*, 44(3), 279-293.
- Dulčić, J., **Kraljević, M.** 1996. Larval growth of anchovy, *Engraulis encrasicolus* (fishes) in the eastern Adriatic Sea. *Vie et Milieu*, 46(1), 73-78.
- Dulčić, J., **Kraljević, M.** 1996. Weight-length relationships for 40 fish species in the eastern Adriatic (Croatian waters). *Fisheries Research*, 28(3), 243-251. [https://doi.org/10.1016/0165-7836\(96\)00513-9](https://doi.org/10.1016/0165-7836(96)00513-9)
- Kraljević, M.**, Dulčić, J. 1996. Age, growth and mortality of the golden grey mullet *Liza aurata* (Risso, 1810) in the eastern Adriatic. *Archive of Fishery and Marine Research*, 44(1-2), 69-80.
- Kraljević, M.**, Dulčić, J., Cetinić, P., Pallaoro, A. 1996. Age, growth and mortality of the striped sea bream, *Lithognathus mormyrus* L., in the Northern Adriatic. *Fisheries Research*, 28(4), 361-370. [https://doi.org/10.1016/S0165-7836\(96\)00518-8](https://doi.org/10.1016/S0165-7836(96)00518-8)
- Dulčić, J., **Kraljević, M.** 1995. Age, growth and mortality of damselfish (*Chromis chromis* L.) in the eastern middle Adriatic. *Fisheries Research*, 22, 255-264. [https://doi.org/10.1016/0165-7836\(94\)00318-Q](https://doi.org/10.1016/0165-7836(94)00318-Q)
- Kraljević, M.**, Dulčić, J., Pallaoro, A., Cetinić, P., Jug-Dujaković, J. 1995. Sexual maturation, age and growth of striped sea bream *Lithognathus mormyrus* L., on the eastern coast of the Adriatic sea. *Journal of Applied Ichthyology*, 11, 1-8. <https://doi.org/10.1111/j.1439-0426.1995.tb00001.x>
- Kraljević, M.**, Dulčić, J., Kačić, I., Pallaoro, A., Jardas, I. 1994. Ichthyological analysis of catches from the Mirna Estuary - Eastern Adriatic. *Acta Adriatica*, 35, 69-82.

