

Checklist of marine fishes of Albania

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This paper presents an updated checklist of marine fishes of Albania and the first one published in the English language. The checklist contains 262 species compiled from published literature and personal surveys.

Key words: checklist; fish; Albania; Adriatic; Ionian Sea

INTRODUCTION

The Albanian coastline has a total length of about 380 km (excluding the internal shore of coastal lagoons), with about 284 km stretching along the South Adriatic Sea and the remaining 96 km, south of the Gulf of Vlore, facing the North Ionian Sea. The two seas have quite distinct physical and chemical characteristics: the Adriatic Sea shows large seasonal variations in temperature and productivity, with levels of nutrients and salinity largely controlled by freshwater inputs. The Ionian Sea has instead a more uniform physical and chemical oceanography throughout the year (SIMEONI *et al.*, 1997).

The Albanian littoral is of a particular interest from a bio-geographical point of view, as it is located near or on the boundaries of three bio-geographical subdivisions: Eastern Mediterranean, Western Mediterranean and the Adriatic (GJIKNURI, 1995). However, fish fauna was very rarely investigated and the first and only list of

marine fishes recorded in Albania was made in 1995 when a total of 250 species was counted (RAKAJ, 1995). Hence, as the list was published in the Albanian language it was rarely used and acknowledged by the international scientific community. Considering the constant and rapid change of climatic and other environmental factors that are influencing ichthyofauna assemblages, it is not surprising that a rising number of new records of fish was observed in all Mediterranean, e.g. in the Adriatic the number of species from 1996 to 2010 was raised by 33 new fish species and 23 new species were added to the list from 2010 to 2020 (LIPEJ & DULČIĆ, 2010; KOVAČIĆ *et al.*, 2020). Therefore, the main objective of this paper is to present the updated checklist of marine fishes of Albania after the period of 25 years since the last one (RAKAJ, 1995), which will be, also, the first one published in the English language and the first one broadly available considering limited edition in Albanian language of RAKAJ's (1995) book.

MATERIAL AND METHODS

Orders and families were arranged according to Eschmeyer's Catalog of Fishes (FRICKE *et al.*, 2020; VAN DER LAAN *et al.*, 2020) and Fishbase (www.fishbase.com). Only those marine species which were documented in the scientific literature were taken into consideration. Hence, fish species with typical freshwater habits were excluded from the list while species from brackish waters were included as they were originally reported in RAKAJ's (1995) list.

This checklist of marine fishes of Albania is compiled using a previous list of RAKAJ (1995) and new records and evidence of fish species by checking ichthyological scientific literature and by recent ichthyofauna surveys conducted by authors of this paper.

RESULTS AND DISCUSSION

The total number of 262 fish species inhabiting the seas of Albania was counted (Agnatha 1, Elasmobranchii 51, Holocephali 1 and Actinopterygii 209) from 106 fish families increasing the known fish diversity for 12 species compared to the last review in RAKAJ (1995) where 250 species were reported. Six of these species have published records for Albanian waters in the last few years (i.e. 2017-2019), while six of them are the first records in Albania originally reported in the present work. Out of this number 19 species from this list are not listed in the recently revised checklist of the Adriatic species (KOVAČIĆ *et al.*, 2020) which can be explained by the bordering position of the southern part of Albania between two seas, the Adriatic and the Ionian. E.g. *Carcharhinus melanopterus* (Quoy & Gaimard, 1824) and *Diplodus cervinus* (Lowe, 1838) are typically species that are inhabiting warmer waters than it is the Adriatic, while three cyprinid species (Cyprinidae) are recorded in the southern Albanian brackish lagoons. Even higher number of species that are not recorded in the Adriatic can be counted if we compare this list with the checklist of LIPEJ & DULČIĆ (2010). This fact can be used as support to a common opinion that Albania shares the

Adriatic and the Ionian sea. However, KOVAČIĆ *et al.* (2020) used some records of the species that have been recorded only in the southern Albanian areas (e.g. *Hexanchus nakamurai* Teng, 1962) which are usually considered as the part of the Ionian Sea, and listed them as the Adriatic species due to the certain opinions that the border between the Adriatic and Ionian Sea is more south which results with a situation that whole Albanian waters are part of the Adriatic only and not the Ionian Sea (IHO, 1953). Nevertheless, it is obvious that this new checklist of the Albanian marine fishes will impact the Adriatic checklist and probably the Ionian. Also, it has to be noted that the number of the Albanian fishes is considerably lower than the number of Adriatic species as LIPEJ & DULČIĆ (2010) listed 440 species while KOVAČIĆ *et al.* (2020) ten years after confirmed, using evidence approach, 444 species out of 466 reported species. Although such a high difference may be explained by different geographical and geomorphological factors it is more likely a result of a lack of focused fish surveys in Albania. E.g. KOVAČIĆ *et al.* (2020) listed 46 goby species and 16 blenny species for the Adriatic while this list reports only 3 goby and 6 blenny species. Moreover, a large portion of deepwater species is missing in the Albanian list. Thus, it can be concluded that the current list can be easily updated with a new species from the future surveys focusing more on some particular habitats which are not traditional fishing grounds, from where most of this list is compiled, such as deep waters and very shallow sandy and rocky bottoms. Hence, a critical assessment of each species' presence following a protocol of the evidence approach proposed by KOVAČIĆ *et al.* (2020) would also be beneficial.

List of marine fish species of Albania**CLASS: PETROMYZONTI****ORDER: PETROMYZONTIFORMES****PETROMYZONTIDAE**

PETROMYZON Linnaeus, 1758

- 1.
- Petromyzon marinus*
- Linnaeus, 1758

CLASS: ELASMOBRANCHII**ORDER: HEXANCHIFORMES****HEXANCHIDAE**

HEPTRANCHIAS Rafinesque & Schmaltz, 1810

- 2.
- Heptranchias perlo*
- (Bonnaterre, 1788)

HEXANCHUS Rafinesque & Schmaltz, 1810

- 3.
- Hexanchus griseus*
- (Bonnaterre, 1788)

- 4.
- Hexanchus nakamurai*
- Teng, 1962 *
- ¹

ORDER: LAMNIFORMES**CARCHARIIDAE**

CARCHARIAS Rafinesque, 1810

- 5.
- Carcharias taurus*
- Rafinesque, 1810

ODONTASPIDIDAE

ODONTASPIS Agassiz, 1838

- 6.
- Odontaspis ferox*
- (Risso, 1810)

LAMNIDAE

CARCHARODON Smith, 1838

- 7.
- Carcharodon carcharias*
- (Linnaeus, 1758)

ISURUS Rafinesque, 1810

- 8.
- Isurus oxyrinchus*
- Rafinesque, 1810

LAMNA Cuvier, 1817

- 9.
- Lamna nasus*
- (Bonnaterre, 1788)

CETORHINIDAE

CETORHINUS Blainville, 1816

- 10.
- Cetorhinus maximus*
- (Günnerus, 1765)

ALOPIIDAE

ALOPIAS Rafinesque, 1810

- 11.
- Alopias vulpinus*
- (Bonnaterre, 1788)

- 12.
- Alopias superciliosus*
- Lowe, 1841 *
- ²

ORDER: CARCHARHINIFORMES**PENTANCHIDAE**

GALEUS Rafinesque, 1810

- 13.
- Galeus melastomus*
- Rafinesque, 1810

SCYLIORHINIDAE

SCYLIORHINUS Blainville, 1816

- 14.
- Scyliorhinus canicula*
- (Linnaeus, 1758)

- 15.
- Scyliorhinus stellaris*
- (Linnaeus, 1758)

TRIAKIDAE

GALEORHINUS Blainville, 1816

- 16.
- Galeorhinus galeus*
- (Linnaeus, 1758)

MUSTELUS Linck, 1790

- 17.
- Mustelus asterias*
- Cloquet, 1821

- 18.
- Mustelus mustelus*
- (Linnaeus, 1758)

- 19.
- Mustelus punctulatus*
- Risso, 1827*

CARCHARHINIDAE

CARCHARHINUS Blainville, 1816

- 20.
- Carcharhinus melanopterus*
- (Quoy & Gaimard, 1824)

- 21.
- Carcharhinus plumbeus*
- (Nardo, 1827)

RHIZOPRIONODON Whitley, 1929

- 22.
- Rhizoprionodon acutus*
- (Rüppell, 1837)*
- ³

PRIONACE Cantor, 1849

- 23.
- Prionace glauca*
- (Linnaeus, 1758)

SPHYRNIDAE

SPHYRNA Rafinesque, 1810

- 24.
- Sphyrna zygaena*
- (Linnaeus, 1758)

ORDER: SQUALIFORMES**DALATIIDAE**

DALATIAS Rafinesque, 1810

- 25.
- Dalatias licha*
- (Bonnaterre, 1778)

ETMOPTERIDAE

ETMOPTERUS Rafinesque, 1810

- 26.
- Etmopterus spinax*
- (Linnaeus, 1758)

OXYNOTIDAE

OXYNOTUS Rafinesque, 1810

- 27.
- Oxynotus centrina*
- (Linnaeus, 1758)

CENTROPHORIDAE

CENTROPHORUS Müller & Henle, 1841

- 28.
- Centrophorus granulosus*
- (Bloch & Schneider, 1801)

SQUALIDAE

SQUALUS Linnaeus, 1758

- 29.
- Squalus acanthias*
- Linnaeus, 1758

- 30.
- Squalus blainvillei*
- (Risso, 1827)

ORDER: ECHINORHINIFORMES**ECHINORHINIDAE**

ECHINORHINUS Blainville, 1816

31. *Echinorhinus brucus* (Bonnaterre, 1788)**ORDER: SQUATINIFORMES****SQUATINIDAE**

SQUATINA Duméril, 1810

32. *Squatina aculeata* Cuvier, 182933. *Squatina squatina* (Linnaeus, 1758)**ORDER: TORPEDINIFORMES****RHINOBATIDAE**

RHINOBATOS Klein, 1776

34. *Rhinobatos rhinobatos* (Linnaeus, 1758)**TORPEDINIDAE**

TORPEDO Houttuyn, 1764

35. *Torpedo marmorata* Risso, 181036. *Torpedo torpedo* (Linnaeus, 1758)

TETRONARCE Gill, 1862

37. *Tetronarce nobiliana* (Bonaparte, 1835) *4**ORDER: RAJIFORMES****RAJIDAE**

DIPTURUS Rafinesque, 1810

38. *Dipturus batis* (Linnaeus, 1758)39. *Dipturus oxyrinchus* (Linnaeus, 1758)

LEUCORAJA Malm, 1877

40. *Leucoraja fullonica* (Linnaeus, 1758)

RAJA Linnaeus, 1758

41. *Raja asterias* Delaroche, 180942. *Raja clavata* Linnaeus, 175843. *Raja miraletus* Linnaeus, 175844. *Raja radula* Delaroche, 180945. *Raja undulata* Lacepède, 1803

ROSTRORAJA Hulley, 1758

46. *Rostroraja alba* Lacepède, 1803**ORDER: MYLIOBATIFORMES****DASYATIDAE**

BATHYTOSHIA Whitley, 1933

47. *Bathytoshia centroura* (Mitchill, 1815)

DASYATIS Rafinesque, 1810

48. *Dasyatis pastinaca* (Linnaeus, 1758)**GYMNURIDAE**

GYMNURA Van Hasselt, 1823

49. *Gymnura altavela* (Linnaeus, 1758)**MYLIOBATIDAE**

MYLIOBATUS Cuvier, 1816

50. *Myliobatis aquila* (Linnaeus, 1758)

AETOMYLAEUS Garman, 1908

51. *Aetomylaeus bovinus* (Geoffroy St.Hilaire, 1817)***MOBULIDAE**

MOBULA Rafinesque, 1810

52. *Mobula mobular* (Bonnaterre, 1788)**CLASS: HOLOCEPHALI****ORDER: CHIMAERIFORMES****CHIMAERIDAE**

CHIMAERA Linnaeus, 1758

53. *Chimaera monstrosa* Linnaeus, 1758**CLASS: ACTINOPTERYGII = OSTEICHTHYES****ORDER: ACIPENSERIFORMES****ACIPENSERIDAE**

ACIPENSER [Artedi, 1738] Linnaeus, 1758

54. *Acipenser naccarii* Bonaparte, 183055. *Acipenser stellatus* Pallas, 177156. *Acipenser sturio* Linnaeus, 1758

HUSO Brandt, 1869

57. *Huso huso* (Linnaeus, 1758)**ORDER: ANGUILLIFORMES****ANGUILLIDAE**

ANGUILLA Schrank, 1798

58. *Anguilla anguilla* (Linnaeus, 1758)**CHLOPSIDAE**

CHLOPSIS Rafinesque, 1810

59. *Chlopsis bicolor* Rafinesque, 1810**MURAENIDAE**

MURAENA Linnaeus, 1758

60. *Muraena helena* Linnaeus, 1758**OPHICHTIDAE**

DALOPHIS Rafinesque, 1810

61. *Dalophis imberbis* (Delaroche, 1809)

ECHELUS Rafinesque, 1810

62. *Echelus myrus* (Linnaeus, 1758)

OPHISURUS Lacepède, 1800

63. *Ophisurus serpens* Linnaeus, 1758

CONGRIDAE

CONGER Oken, 1817

64. *Conger conger* (Linnaeus, 1758)

ORDER: CLUPEIFORMES

CLUPEIDAE

ALOSA Linck, 1790

65. *Alosa agone* (Scopoli, 1786)

66. *Alosa fallax* (Lacepède, 1803)

SARDINA Antipa, 1906

67. *Sardina pilchardus* (Walbaum, 1792)

SARDINELLA Valenciennes, 1847

68. *Sardinella aurita* Valenciennes, 1847

SPRATTUS Girgensohn, 1846

69. *Sprattus sprattus* (Linnaeus, 1758)

ENGRAULIDAE

ENGRAULIS Cuvier, 1816

70. *Engraulis encrasicolus* (Linnaeus, 1758)

ORDER: CYPRINIFORMES

CYPRINIDAE

ALBURNUS Rafinesque, 1820

71. *Alburnus chalcoides* (Güldenstädt, 1772)

SCARDINIUS (subgenus of *Leuciscus*) Bonaparte, 1837

72. *Scardinius scardafa* (Bonaparte, 1837)

TINCA Garsault, 1764

73. *Tinca tinca* (Linnaeus, 1758)

ORDER: ARGENTINIFORMES

ARGENTINIDAE

ARGENTINA Linnaeus, 1758

74. *Argentina sphyraena* Linnaeus, 1758

GLOSSANODON Guichenot, 1867

75. *Glossanodon leioglossus* (Valenciennes, 1848)

MICROSTOMATIDAE

Microstoma Cuvier, 1816

76. *Microstoma microstoma* (Risso, 1810)

NANSENIA Jordan & Evermann, 1896

77. *Nansenia oblita* (Facciola, 1887)

ORDER: AULOPIFORMES

AULOPIDAE

AULOPUS Cloquet, 1816

78. *Aulopus filamentosus* (Bloch, 1792)

CHLOROPHTALMIDAE

CHLOROPHTALMUS Bonaparte, 1840

79. *Chlorophthalmus agassizii* Bonaparte, 1840

SYNODONTIDAE

SAURIDA Valenciennes, 1849

80. *Saurida lessepsianus* Russell, Golani & Tikochinski, 2015

SYNODUS Scopoli, 1777

81. *Synodus saurus* (Linnaeus, 1758)

ORDER: LAMPRIFORMES

TRACHIPTERIDAE

TRACHIPTERUS Goian, 1770

82. *Trachipterus trachipterus* (Gmelin, 1789)

ZU Walters & Fitch, 1960

83. *Zu cristatus* (Bonelli, 1829)

ORDER: TRACHICHTHYFORMES

TRACHICHTHYIDAE

HOPLOSTETHUS Cuvier, 1829

84. *Hoplostethus mediterraneus* Cuvier, 1829*

ORDER: GADIFORMES

GADIDAE

MICROMESISTIUS Gill, 1863

85. *Micromesistius poutassou* (Risso, 1826)

TRISOPTERUS Rafinesque, 1814

86. *Trisopterus capelanus* (Lacepède, 1800)

LOTIDAE

GAIDROPSARUS Rafinesque, 1810

87. *Gaidropsarus mediterraneus* (Linnaeus, 1758)

MACROURIDAE

COELORINCHUS Giorna, 1809

88. *Coelorinchus caelorhincus* (Risso, 1810)

MERLUCCIIDAE

MERLUCCIUS Rafinesque, 1810

89. *Merluccius merluccius* (Linnaeus, 1758)

PHYCIDAE

PHYCIS Artedi, 1792

90. *Phycis blennoides* (Brünnich, 1768)

91. *Phycis phycis* (Linnaeus, 1758)

ORDER: OPHIDIIFORMES

OPHIDIIDAE

OPHIDION Linnaeus, 1758

92. *Ophidion barbatum* Linnaeus, 1758

93. *Ophidion rochei* Müller, 1845

PAROPHIDION Tortonese, 1954

94. *Parophidion vassali* (Risso, 1810)

CARAPIDAE

CARAPUS Rafinesque, 1810

95. *Carapus acus* (Brünnich, 1768)

ORDER LOPHIIFORMES

LOPHIIDAE

LOPHIUS Linnaeus, 1758

96. *Lophius budegassa* Spinola, 1807

97. *Lophius piscatorius* Linnaeus, 1758

ORDER: GOBIESOCIFORMES

GOBIESOCIDAE

LEPADOGASTER Goüan, 1770

98. *Lepadogaster lepadogaster* (Bonnaterre, 1788)

ORDER: ATHERINIFORMES

ATHERINIDAE

ATHERINA Linnaeus, 1758

99. *Atherina boyeri* Risso, 1810

100. *Atherina hepsetus* Linnaeus, 1758

ORDER: CYPRINODONTIFORMES

CYPRINODONTIDAE

APHANIUS Nardo, 1827

101. *Aphanius fasciatus* Nardo, 1827

102. *Aphanius dispar* (Rüppell, 1829)

103. *Aphanius iberus* (Valenciennes, 1846)

POECILIIDAE

POECILIA Bloch & Schneider, 1801

104. *Poecilia reticulata* Peters, 1859

ORDER: BELONIFORMES

BELONIDAE

BELONE Cuvier, 1817

105. *Belone belone* (Linnaeus, 1760)

EXOCOETIDAE

EXOCOETUS Linnaeus, 1758

106. *Exocoetus volitans* Linnaeus, 1758

CHEILOPOGON Lowe, 1840

107. *Cheilopogon exsiliens* (Linnaeus, 1771)

108. *Cheilopogon heterurus* (Rafinesque, 1810)

HIRUNDICHTHYS Breder, 1928

109. *Hirundichthys rondeletii* (Valenciennes, 1846)

SCOMBERESOCIDAE

SCOMBERESOX Lacepède, 1803

110. *Scomberesox saurus* (Walbaum, 1792)

ORDER: MUGILIFORMES

MUGILIDAE

CHELON Artedi, 1793

111. *Chelon labrosus* (Risso, 1827)

112. *Chelon ramada* (Risso, 1827)

LIZA Jordan & Swain, 1884

113. *Liza aurata* (Risso, 1810)

114. *Liza saliens* (Risso, 1810)

MUGIL Linnaeus, 1758

115. *Mugil cephalus* Linnaeus, 1758

OEDALECHILUS Fowler,

116. *Oedalechilus labeo* (Cuvier, 1829)

ORDER: ZEIFORMES

ZEIDAE

ZEUS Linnaeus, 1758

117. *Zeus faber* Linnaeus, 1758

ORDER: ACANTHURIFORMES

CAPROIDAE

CAPROS Lacepède, 1802

118. *Capros aper* (Linnaeus, 1758)

ORDER: SYNGNATHIFORMES

CENTRISCIDAE

MACRORAMPHOSUS Lacepède, 1803

119. *Macroramphosus scolopax* (Linnaeus, 1758)

SYNGNATHIDAE

HIPPOCAMPUS Rafinesque, 1810

120. *Hippocampus hippocampus* (Linnaeus, 1758)

121. *Hippocampus guttulatus* Cuvier, 1829

SYNGNATHUS Linnaeus, 1758

122. *Syngnathus acus* Linnaeus, 1758

123. *Syngnathus tenuirostris* Rathke, 1837

124. *Syngnathus typhle* Linnaeus, 1758

ORDER: SCORPAENIFORMES

PERISTEDIIDAE

PERISTEDION Lacepède, 1801

125. *Peristedion cataphractum* (Linnaeus, 1758)

SEBASTIDAE

HELICOLENUS Goode & Bean, 1896

126. *Helicolenus dactylopterus* (Delaroche, 1809)

SCORPAENIDAE

SCORPAENA Linnaeus, 1758

127. *Scorpaena porcus* Linnaeus, 1758

128. *Scorpaena notata* Rafinesque, 1810

129. *Scorpaena scrofa* Linnaeus, 1758

DACTYLOPTERIDAE

DACTYLOPTERUS Lacepède, 1801

130. *Dactylopterus volitans* (Linnaeus, 1758)

TRIGLIDAE

ASPITRIGLA Fowler, 1925

131. *Aspitrigla cuculus* (Linnaeus, 1758)

CHELIDONICHTHYS Kaup, 1873

132. *Chelidonichthys lucerna* (Linnaeus, 1758)

133. *Chelidonichthys lastoviza* (Bonnaterre, 1788)

134. *Chelidonichthys obscurus* (Bloch & Schneider, 1801)

LEPIDOTRIGLA Günther, 1860

135. *Lepidotrigla cavillone* (Lacepède, 1801)

TRIGLA Linnaeus, 1758

136. *Trigla lyra* Linnaeus, 1758

ORDER: PERCIFORMES

MORONIDAE

DICENTRARCHUS Gill, 1860

137. *Dicentrarchus labrax* (Linnaeus, 1758)

138. *Dicentrarchus punctatus* (Bloch, 1792)

POLYPRIONIDAE

POLYPRION Oken, 1817

139. *Polyprion americanus* (Bloch & Schneider, 1801)

SERRANIDAE

ANTHIAS Bloch, 1792

140. *Anthias anthias* (Linnaeus, 1758)

EPINEPHELUS Bloch, 1793

141. *Epinephelus aeneus* (Geoffroy Saint-Hilaire, 1817)

142. *Epinephelus caninus* (Valenciennes, 1843)

143. *Epinephelus costae* (E. Geoffroy, 1817)

144. *Epinephelus marginatus* (Lowe, 1834)

SERRANUS Cuvier, 1816

145. *Serranus cabrilla* (Linnaeus, 1758)

146. *Serranus hepatus* (Linnaeus, 1758)

147. *Serranus scriba* (Linnaeus, 1758)

CALLANTHIDAE

CALLANTHIAS Lowe, 1839

148. *Callanthias ruber* (Rafinesque, 1810)

APOGONIDAE

APOGON Lacepède, 1801

149. *Apogon imberbis* (Linnaeus, 1758)

ECHENEIDAE

REMORA Gill, 1862

150. *Remora remora* (Linnaeus, 1758)

151. *Remora brachyptera* (Lowe, 1839)

CARANGIDAE

LICHIA Cuvier, 1816

152. *Lichia amia* (Linnaeus, 1758)

NAUCRATES Rafinesque, 1810

153. *Naucrates ductor* (Linnaeus, 1758)

SERIOLA Cuvier, 1817

154. *Seriola dumerili* (Risso, 1810)

TRACHINOTUS Lacepède, 1801

155. *Trachinotus ovatus* (Linnaeus, 1758)

TRACHURUS Rafinesque, 1810

156. *Trachurus mediterraneus* (Steindachner, 1868)

157. *Trachurus picturatus* (T.E. Bowdich, 1825)

158. *Trachurus trachurus* (Linnaeus, 1758)

CORYPHAENIDAE

CORYPHAENA Linnaeus, 1758

159. *Coryphaena hippurus* Linnaeus, 1758

SPARIDAE

BOOPS Cuvier, 1814

160. *Boops boops* (Linnaeus, 1758)

DENTEX Cuvier, 1814

161. *Dentex gibbosus* (Rafinesque, 1810)

162. *Dentex dentex* (Linnaeus, 1758)

163. *Dentex macrophthalmus* (Bloch, 1791)

DIPLODUS Rafinesque, 1810

164. *Diplodus annularis* (Linnaeus, 1758)

165. *Diplodus puntazzo* (Cetti, 1777)

166. *Diplodus sargus* (Linnaeus, 1758)

167. *Diplodus vulgaris* (Geoffroy Saint-Hilaire, 1817)

168. *Diplodus cervinus* (Lowe, 1838)

LITHOGNATHUS Swainson, 1839

169. *Lithognathus mormyrus* (Linnaeus, 1758)

OBLADA Cuvier, 1829

170. *Oblada melanura* (Linnaeus, 1758)

PAGELLUS Valenciennes, 1830

171. *Pagellus acarne* (Risso, 1826)

172. *Pagellus bogaraveo* (Brünnich, 1768)

173. *Pagellus erythrinus* (Linnaeus, 1758)

PAGRUS Cuvier, 1816

174. *Pagrus caeruleostictus* (Valenciennes, 1830)

175. *Pagrus pagrus* (Linnaeus, 1758)

SARPA Bonaparte, 183

176. *Sarpa salpa* (Linnaeus, 1758)

SPARUS Linnaeus, 1758

177. *Sparus aurata* Linnaeus, 1758

SPICARA Rafinesque, 1810

178. *Spicara flexuosa* Rafinesque, 1810

179. *Spicara maena* (Linnaeus, 1758)

180. *Spicara smaris* (Linnaeus, 1758)

SPONDYLIOSOMA Cantor, 1849

181. *SpondylIOSOMA cantharus* (Linnaeus, 1758)

SCIAENIDAE

ARGYRO SOMUS De La Pylaie, 1835

182. *Argyrosomus regius* (Asso, 1801)

SCIAENA Linnaeus, 1758

183. *Sciaena umbra* Linnaeus, 1758

UMBRINA Cuvier, 1816

184. *Umbrina cirrosa* (Linnaeus, 1758)

MULLIDAE

MULLUS Linnaeus, 1758

185. *Mullus barbatus* Linnaeus, 1758

186. *Mullus surmuletus* Linnaeus, 1758

CEPOLIDAE

CEPOLA Linnaeus, 1766

187. *Cepola macrophthalma* (Linnaeus, 1758)

POMACENTRIDAE

CHROMIS Cuvier, 1814

188. *Chromis chromis* (Linnaeus, 1758)

LABRIDAE

CORIS Lacepède, 1801

189. *Coris julis* (Linnaeus, 1758)

LABRUS Linnaeus, 1758

190. *Labrus merula* Linnaeus, 1758

191. *Labrus mixtus* Linnaeus, 1758

192. *Labrus viridis* Linnaeus, 1758

SYMPHODUS Rafinesque, 1810

193. *Symphodus cinereus* (Bonnaterre, 1788)

194. *Symphodus doderleini* Jordan, 1891

195. *Symphodus mediterraneus* (Linnaeus, 1758)

196. *Symphodus ocellatus* (Forsskål, 1775)

197. *Symphodus roissali* (Risso, 1810)

198. *Symphodus rostratus* (Bloch, 1797)

199. *Symphodus tinca* (Linnaeus, 1758)

THALASSOMA Swainson, 1839

200. *Thalassoma pavo* (Linnaeus, 1758)

XYRICHTHYS Cuvier, 1814

201. *Xyrichthys novacula* (Linnaeus, 1758)

SCARIDAE

SPARISOMA Swainson, 1839

202. *Sparisoma cretense* (Linnaeus, 1758)*

TRACHINIDAE

ECHICHTHYS Bleeker, 1861

203. *Echichthys vipera* (Cuvier, 1829)

TRACHINUS Linnaeus, 1758

204. *Trachinus araneus* Cuvier, 1829

205. *Trachinus draco* Linnaeus, 1758

206. *Trachinus radiatus* Cuvier, 1829

TETRAGONURIDAE

TETRAGONURUS Risso, 1810

207. *Tetragonurus cuvieri* Risso, 1810

URANOSCOPIDAE

URANOSCOPUS Linnaeus, 1758

208. *Uranoscopus scaber* Linnaeus, 1758

BLENNIIDAE

PARABLENNIUS Miranda-Ribeiro, 1915

209. *Parablennius gattorugine* (Linnaeus, 1758)

210. *Parablennius sanguinolentus* (Pallas, 1814)

211. *Parablennius tentacularis* (Brünnich, 1768)

SALARIA Forsskål, 1775

212. *Salaria basilisca* (Valenciennes, 1836)

213. *Salaria pavo* (Risso, 1810)

SCARTELLA Jordan, 1886

214. *Scartella cristata* (Linnaeus, 1758)

CALLIONYMIDAE

CALLIONYMUS Linnaeus, 1758

215. *Callionymus lyra* Linnaeus, 1758

216. *Callionymus maculatus* Rafinesque, 1810

217. *Callionymus risso* Lesueur, 1814

GOBIIDAE

GOBIUS Linnaeus, 1758

218. *Gobius bucchichi* Steindachner, 1870

219. *Gobius niger* Linnaeus, 1758

KNIPOWITSCHIA Iljin, 1927

220. *Knipowitschia panizae* (Verga, 1841)

SIGANIDAE

221. *Siganus rivulatus* Forsskål, 1775*

222. *Siganus luridus* (Rüppell, 1829)*

LUVARIDAE

LUVARUS Rafinesque, 1810

223. *Luvarus imperialis* Rafinesque, 1810

SPHYRAENIDAE

SPHYRAENA Artedi, 1793

224. *Sphyræna sphyraena* (Linnaeus, 1758)

GEMPYLIDAE

RUVETTUS Cocco, 1833

225. *Ruvettus pretiosus* Cocco, 1833*⁵

TRICHIURIDAE

LEPIDOPUS Goüan, 1770

226. *Lepidopus caudatus* (Euphrasen, 1788)

TRICHIURUS Linnaeus, 1758

227. *Trichiurus lepturus* Linnaeus, 1758

XIPHIIDAE

XIPHIAS Linnaeus, 1758

228. *Xiphias gladius* Linnaeus, 1758

SCOMBRIDAE

AUXIS Cuvier, 1829

229. *Auxis rochei* (Risso, 1810)

EUTHYNNUS Lütken, 1883

230. *Euthynnus alletteratus* (Rafinesque, 1810)

SARDA Cuvier, 1829

231. *Sarda sarda* (Bloch, 1793)

SCOMBER Linnaeus, 1758

232. *Scomber colias* Gmelin, 1789

233. *Scomber scombrus* Linnaeus, 1758

THUNNUS South, 1845

234. *Thunnus thynnus* (Linnaeus, 1758)

CENTROLOPHIDAE

CENTROLOPHUS Lacepède, 1802

235. *Centrolophus niger* (Gmelin, 1789)

STROMATEIDAE

STROMATEUS Linnaeus, 1758

236. *Stromateus fiatiola* Linnaeus, 1758

ORDER: PLEURONECTIFORMES

CITHARIDAE

CITHARUS Rose, 1793

237. *Citharus linguatula* (Linnaeus, 1758)

SCOPHTHALMIDAE

LEPIDORHOMBUS Günther, 1862

238. *Lepidorhombus boscii* (Risso, 1810)

239. *Lepidorhombus whiffiagonis* (Walbaum, 1792)

ZEUGOPTERUS Gottsche, 1835

240. *Zeugopterus regius* (Bonnaterre, 1788)

SCOPHTHALMUS Rafinesque, 1810

241. *Scophthalmus maximus* (Linnaeus, 1758)

242. *Scophthalmus rhombus* (Linnaeus, 1758)

BOTHIDAE

ARNOGLOSSUS Bleeker, 1862

243. *Arnoglossus imperialis* (Rafinesque, 1810)

244. *Arnoglossus kessleri* Schmidt, 1915

245. *Arnoglossus laterna* (Walbaum, 1792)

246. *Arnoglossus rueppelli* (Cocco, 1844)

247. *Arnoglossus thori* Kyle, 1913

BOTHUS Rafinesque, 1810

248. *Bothus podas* (Delaroche, 1809)

PLEURONECTIDAE

PLATICHTHYS Girard, 1856

249. *Platichthys flesus* (Pallas, 1811)

SOLEIDAE

BUGLOSSIDIUM Chabanaud, 1930

250. *Buglossidium luteum* (Risso, 1810)

MICROCHIRUS Bonaparte, 1833

251. *Microchirus ocellatus* (Linnaeus, 1758)

252. *Microchirus variegatus* (Donovan, 1808)

MONOCHIRUS Rafinesque, 1814

253. *Monochirus hispidus* Rafinesque, 1814

PEGUSA Günther, 1862

254. *Pegusa lascaris* (Risso, 1810)

255. *Pegusa nasuta* (Pallas, 1814)

256. *Pegusa impar* Bennett, 1831

SOLEA Quensel, 1806

257. *Solea solea* (Linnaeus, 1758)

SYNAPTURICHTHYS Chabanaud, 1927

258. *Synapturichthys kleini* (Risso, 1827)

ORDER: TETRAODONTIFORMES

BALISTIDAE

BALISTES Linnaeus, 1758

259. *Balistes carolinensis* Gmelin, 1789

TETRAODONTIDAE

LAGOCEPHALUS Swainson, 1839

260. *Lagocephalus sceleratus* (Gmelin, 1789) *⁶

MOLIDAE

MOLA Koelreuter, 1770

261. *Mola mola* (Linnaeus, 1758)

RANZANIA Nardo, 1840

262. *Ranzania laevis* (Pennant, 1776)

* New species records - personal observations except ¹ BAKIU *et al.* (2018); ² GIOVOS & CAKALLI (2017); ³ BAKIU (2019); ⁴ BAKIU & TROPLINI (2018); ⁵ GIOVOS & BAKIU (2017); ⁶ BAKIU & DURMISHAJ (2019).

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Pregledna lista morskih riba Albanije

Alen SOLDO i Rigers BAKIU

SAŽETAK

U ovom se radu prezentira nova pregledna lista morskih riba koje žive u morima Albanije, a ujedno je i prva takva lista publicirana na engleskom jeziku. Lista sadrži 262 vrste riba i sastavljena je korištenjem objavljene literature te podacima iz istraživanja autora.

Ključne riječi: lista; ribe; Albanija; Jadransko i Jonsko more