

Database of Aquatic NNS identified in Albania, the national language name, pathways and vectors together with the corresponding published literature

	Scientific name	English	National Language	National Geographical Distribution	Pathway/Vector	Reference
RED ALGAE - RHODOPHYTA	<i>Chondria pygmaea</i> (Garbary & Vandermeulen, 1990)	Red algae		Vlora Bay, Saranda	Lessepsian migration	Kashta and Pizzuto, 1995
	<i>Asparagopsis taxiformis</i> (Delile)	Red algae		Porto Palermo, Dhermi		Katsanevakis et al., 2011
	<i>Ganonema farinosum</i> , (J.V. Lamouroux)	The slimy liagora		Southwest Albanian coast		Katsanevakis et al., 2011
	<i>Lophocladia lallemandi</i> (Montagne)			Southwest Albanian coast		Katsanevakis et al., 2011
	<i>Womersleyella setacea</i>				unknown; it appeared on 2016	Andromede Oceanology, 2016
GREEN/BROWN ALGAE	<i>Caulerpa racemose</i> , (Forsskål J. Agardh, 1873)	Sea grapes		North – West of Saranda Bay	Lessepsian migration	Kashta et al., 2005
	<i>Colpomenia peregrina</i>	brown algae			unknown; it appeared on 1986	L.Kashta pers.obs.(Zenetos et al 2011)
SEED PLANTS - SPERMATOPHYTA	<i>Halophila stipulacea</i> , halophihalo	Seagrass		Vlora Bay, Saranda	Lessepsian migration	Kashta and Pizzuto, 1995
ANNELIDA	<i>Ficopomatus enigmaticus</i> , (Fauvel, 1923)	Australian tubeworm		Southeast Adriatic Sea		Shumka, 2014
CRUSTACEAN	<i>Callinectes sapidus</i> , Rathbun 1896	Blue crab	Gaforrja blu	Western coast	Maritime transportation	Beqiraj and Kashta, 2010
	<i>Percnon gibbesi</i> , (H. Milne Edwards, 1853)	Sally Lightfoot		NE Ionian Sea	Larval transport by surface currents/Maritime transportation/Aquarium	Katsanevakis et al., 2011
	<i>Penaeus aztecus</i> , (Ives, 1891)	Northern brown shrimp		Vlora Bay	Maritime transportation	Kampouris et al., 2018
	<i>Amphibalanus eburneus</i> , (Gould, 1841)	ivory barnacle		Lake Butrint	Maritime transportation	Osca and Croceta, 2020
	<i>Marsupenaeus japonicas</i>				unknown; it appeared on 1986	Drejtoria e Peshkimit , Beqiraj , pers .com

MOLLUSCA	<i>Cellana rota</i>				unknown; it appeared on 2007	Kasemi et al., 2010
	<i>Brachidontes pharaonis</i>				unknown; it appeared on 2006	Beqiraj et al., 2008
	<i>Crassostrea gigas</i>				unknown; it appeared on 2001	Beqiraj, 2004
	<i>Pinctada radiata</i> , (Leach, 1814)	Atlantic pearl-oyster		Saranda coast	Lessepsian migration	Katsanevakis et al., 2011
	<i>Bursatella leachii</i> , (Blainville, 1817)	Ragged sea hare		Vlora bay	Lessepsian migration	Mediterranean Biodiversity records 2017
	<i>Conomurex persicus</i> , (Swainson, 1821)	The Persian conch		Porto Palermo Bay		Mediterranean Biodiversity records 2017
	<i>Ruditapes philipinarum</i> , (Adams & Reeve, 1850)	The Japanese carpet shell	Vongola	Vlora bay		Mediterranean Biodiversity records 2017
	<i>Dendostrea folium</i> , (Linnaeus, 1758)	Leaf oyster		Porto Palermo Bay	Lessepsian migration	Mediterranean Biodiversity records 2017
	<i>Fulvia fragilis</i> , (Forsskal in Niebuhr, 1775)	Fragile cockle		Vlora Bay	Lessepsian migration	Mediterranean Biodiversity records 2017
	<i>Rapana venosa</i> (Valenciennes, 1846)			South Adriatic Sea	Lessepsian migration	Ruci et al., unpublished results (2015)
	<i>Arcuatula (Musculista) senhousia</i> (Benson in Cantor, 1842)			South Adriatic Sea	Lessepsian migration	Ruci et al., unpublished results (2015)
FISH	<i>Hemiramphus far</i> , (Forsskål, 1775)	Black-barred halfbeak		South Adriatic Sea	Lessepsian migration	Collette and Parin, 1986
	<i>Parexocoetus mento</i> , (Valenciennes, 1847)	African sailfin flyingfish		South Adriatic Sea	Lessepsian migration	Parin, 1986
	<i>Saurida undosquamis</i> , (Richardson, 1848)	Brushtooth lizardfish	Peshku hardhuce dhembejashte	South Adriatic Sea	Lessepsian migration	Rakaj, 1986

FISH

<i>Lagocephalus sceleratus</i> , (Gmelin, 1789)	Silver-checked toadfish		Vlora Bay	Lessepsian migration	Bakiu and Durmishaj, 2019
<i>Coryphaena hippurus</i> , (Linnaeus, 1758)	Dolphin fish	Korifena	South - East Adriatic coast		Kamperi et al., Unpublished data
<i>Balistes capriscus</i> , (Gmelin, 1789)	The grey triggerfish	Peshku derr	South - East Adriatic coast		Kamperi et al., Unpublished data
<i>Siganus rivulatus</i> , (Forsskal, 1755)	Marbled pinefoot		South - East Adriatic coast		Kamperi et al., Unpublished data
<i>Sphyrna viridensis</i> , (Cuvier, 1829)	Yellowmouth barracuda		South - East Adriatic coast		Kamperi et al., Unpublished data
<i>Trachinotus ovatus</i> , (Linnaeus 1758)	Pompano	Lojba pikaloshe	South - East Adriatic coast		Kamperi et al., Unpublished data
<i>Acipenser baerii</i> (BRANDT, 1869),	Siberian sturgeon	Blini siberian	Vjosa River (Aos)near the Albanian – Greece border	from Russia during 1975-1999 (BOBORI & ECONOMIDIS 2006)	(Dhora and Dhora, 2015) ECONOMOUA et al., (2007)
<i>Acipenser gueldenstadtii</i> (BRANDT & RATZEBURG, 1833)	Russian sturgeon	Blini rus	Vjosa River (Aos)near the Albanian – Greece border	from Russia during 1975-1999 (BOBORI & ECONOMIDIS 2006)	(Dhora and Dhora, 2015) ECONOMOUA et al. (2007)
<i>Carassius auratus</i> (LINNAEUS, 1758)	Prussian carp	Karasi i artë	Not sure, but Prespa Lake and Skadar Lake		WELCOMME (1988), ECONOMOUA et al., (2007)
<i>Carassius carassius</i> (LINNAEUS, 1758),	Crucian carp	Karasi i bronxtë	Tirana Lake in 1959, Prespa Lake	Imported from China an amount of fingerlings in 1960	(RAKAJ, 1995) KAPEDANI and GAMBETA (1997) Shumka et al., 2008
<i>Carassius gibelio</i> (BLOCH, 1782)	Prussian carp or Gibel carp	Karasi prusian	Skadar Lake		DHORA, 2004 DHORA, 2009 Shumka and Apostolou
<i>Ctenopharyngodon Idella</i> VALENCIENNES, 1844)	Grass carp	Amuri i bardhë	Skadar Lake and Small Prespa Lake		RAKAJ, 1995
<i>Hypophthalmichthys molitrix</i> (VALENCIENNES, 1844)	Silver carp	Ballëgjëri i bardhë	Skadar Lake and Prespa Lake, etc.	Imported from China an amount of fingerlings in 1960	RAKAJ, (1995) SHUMKA et al. (2008)

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<i>Cyprinus carpio</i> (LINNAEUS, 1758)	Common carp	Krapi	Everywhere in lakës and reservoirs	Native and introducing species in 1990	FAO (1990). SHUMKA et al., (2008)
<i>Hypophthalmichthys nobilis</i> (RICHARSON, 1845)	Bighead carp	Ballëgjëri laraman	Everywhere in lakës and reservoirs	Imported from China an amount of fingerlings in 1960	WELCOMME (1988), FAO, 1990 SHUMKA et al., (2008)
<i>Megalobrama terminalis</i> (RICHARDSON, 1846)	Black Amur bream	Pëllëmbëza e zezë e Amurit	Skadar Lake and Prespa Lake	was imported from China an amount of fingerlings in 1960	MARIC & KRIVOKAPIC (1997), DHORA (2005, 2009, 2012), TALEVSKI et al., (2009)
<i>Mylopharyngodon piceus</i> (RICHARDSON, 1845)	Black carp, Black chinese roach	Amuri i zi	Skadar Lake	imported from China an amount of fingerlings in 1960	COLLINS 1996 Dhora and Dhora 2015 (MARIC & KRIVOKAPIC 1997)
<i>Parabramis pekinensis</i> (BASILEWSKY, 1855)	White Amur bream	Pëllëmbëza pekineze	Skadar Lake and Small Prespa Lake And artificial lakes	imported from China an amount of fingerlings in 1960	RAKAJ, 1995 FAO (1997) DHORA et al., 2008 SHUMKA et al., 2008
<i>Pseudorasbora parva</i> (TEMMINCK & SCHLEGEL 1846)	Stone moroko topmouth gudgeon	Notaku	Different lakes and rivers	Arrived accidentally in Albania with the importation of of SHUMKA et al. 2008 Mention that introducing in Albania in 1998.	DHORA et al., 2008 SHUMKA et al., 2008
<i>Tinca tinca</i> (LINNAEUS, 1758)	tench or doctor fish	Lina	Skadar Lake Small Prespa Lake and Prespa Lake	SHUMKA et al. 2008 mention that introducing in Albania in 1988.	SHUMKA et al., 2008 DHORA et al., 2008,
<i>Lepomis gibbosus</i> (LINNAEUS, 1758)	Pumpkinseed kiver	Sharoku diellor	Ohrid Lake and Great Prespa Lake	SHUMKA et al. 2008 mention that was introduced in Albania in 1994	SHUMKA et al., (2008) DHORA et al., 2008,
<i>Micropterus salmoides</i> (LACEPEDE, 1802)	largemouth bass	Sharoku gojëmadh	Adriatic area from Slovenia to Albania		KOTTELAT and FREYHOFF, 2007

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<i>Pygocentrus nattereri</i> (KNER, 1858)	Red-bellied piranha	Pirana e kuqe	Prespa lake	From Greek Prespa area	KAPEDANI and GAMBETA (1997)
<i>Oreochromis niloticus</i>	Nile tilapia	Tilapia e Nilit	Tapiza 2001-2002	This species was introduced in Albania in 2001-2002 in Tapiza for experimental reason	DHORA et al 2008 SHUMKA et al., 2008
<i>Ameiurus melas</i> (RAFINESQUE, 1820)	Black bullhead catfish	Peshkmacja e zezë	No data no info	Aclimatized I Albania in 1978.	RAKAJ, 1995 FAO (1997)
<i>Ameiurus nebulosus</i> (LESUEUR, 1819)	Brown bullhead	Peshkmacja e kafenjtë	Skadar Lake	Introduced in Shkodra lake from Montenegro.	DHORA, 2009, TALEVSKI et al., 2009
<i>Perca fluviatilis</i> (LINNAEUS, 1758)	European perch	Sharmaku	Shkodra lake, Drin/Drim river,	Arrived from Drin/Drim river, in 1976	RAKAJ, 1995 DHORA, 2004 SHUMKA et al., 2008
<i>Sander lucioperca</i> (LINNAEUS, 1758)	Pikeperch zander	Sharmaku heshtor	Shkodra lake, Drin/Drim river, Fier- za Lake	Arrived from Drin/Drim river, in 1980 from different fish farms.	SHUMKA et al., 2008 DHORA, 2000, 2008
<i>Gambusia affinis</i> (Baird and Girard, 1853)	Eastern mosquito fish	Barkuleci pikalosh i mushkonjave	Albanian Lakes, Drin river, etc.	Introduced to control mosquito population 1979	DHORA, 2009
<i>Poecilia reticulata</i> (PETERS 1859)	Guppy	Larëza këlyshlindëse	No data no info	No data	FAO, 1997
<i>Prochilodus lineatus</i> (VALENCIENNE, 1837)	Streaked prochilod	Prokilodi me vija	No data no info	Introducing in Albania in 1996 from Afganistan	BARTLEY (2006, FISHBASE (2013) and FAO (2013),
<i>Onchorynchus mykiss</i> (WALBAURN, 1792)	Rainbow trout	Trofta e ylbhtë	Everywhere in Albanian lakes	Introduced in Albania in 1972 (Pakaj, 1995) and in 1978 SHUMKA et al. 2008	RAKAJ, 1995 SHUMKA et al., 2008
<i>Salvelinus fontinalis</i> (MITCHILL, 1814)	Brook trout	Trofta e artë	Skadar Lake		KAZIC et al., 1990, DHORA, 2009, TALEVSKI et al. 2009
<i>Silurus glanis</i> (LINNAEUS, 1758)	Wels catfish	Siluri	Prespa Lake	Introduced in Albania in 1991 from Greece.	ECONOMOUA et al., 2007, DHORA et al., 2008 SHUMKA et al., 2008