Fish Occurrence Database of the Family Aphaniidae

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Keywords

Aphaniidae, Taxonomy, Site Records, GBIF

Short description of the dataset/summary

The database contains 1064 geo-referenced distribution data of fish species of all genera within the family Aphaniidae. The data has been partially downloaded from GBIF, and has been quality checked and is now being uploaded again by providing additional data from published scientific and grey literature as well as from site scale records.

General information

dataset entry ID:	FWM_29
name of the dataset:	
full name of the dataset:	Fish Occurrence Database of the Family Aphaniidae
full name of the datast (original/national language):	Fish Occurrence Database of the Family Aphaniidae
dataset short name:	Fish Database Family Aphaniidae
type of dataset:	species distribution data
data type:	point data/observation data
science keywords according to GCMD:	
topic:	Biosphere, Biological Classification
ISO topic category according to ISO 19115:	Biota, Geoscientific Information, Inland Waters, Location
INSPIRE keywords according to GEMET:	Species distribution
own science keywords:	Aphaniidae, taxonomy, site records, GBIF

Technical and administrative specifications

data format:	Excel
others/details:	type of file: Microsoft Excel worksheet (.xlsx)
operating system:	all Windows systems
data language:	English
current access level:	internal
currently available through GBIF:	yes
exchange planned:	yes
data in data repository:	no
Do you plan to publish the data on the Freshwater Biodiversity Data Portal:	yes
update level:	continuously updated
documentation:	
type:	manual
language:	English
specify:	The dataset in Excel is in English.

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Intellectual property rights and citation

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The dataset is publicly available (data portal, data archive) and can be used without restrictions, but dataset creator/data contributors must be informed prior to publication. Data must be acknowledged and cited correctly.

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The dataset is publicly available (data portal, data archive) and can be used without restrictions, but dataset creator/data contributors must be informed prior to publication. Data must be acknowledged and cited correctly.

citation of this dataset:
author(s): Yogurtcuoglu, B. & Freyhof, J.
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year: 2020
doi: https://doi.org/10.15504/fmj.2020.48

General data specifications

regional coverage of the dataset:
spatial extent of the dataset: global
continents: Africa, Asia, Europe

spatial extent (bounding coordinates):
southernmost latitude [°]: 7.966667
northernmost latitude [°]: 45.7833333
westernmost longitude [°]: -6.9671360
easternmost longitude [°]: 69.7174000
countries:
Africa: Algeria, Djibouti, Egypt, Eritrea, Ethiopia, Libya, Morocco, Somalia, Sudan, Tunisia, Somaliland
Asia: Bahrain, Cyprus, India, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Palestinian territories, Saudi Arabia, Syria, Turkey, United Arab Emirates, Yemen
Europe: Albania, Croatia, France, Greece, Italy, Malta, Montenegro, Slovenia, Spain
freshwater ecoregions of the world (FEOW) according to WWF:
Africa: Dry Sahel, Ethiopian Highlands, Horn of Africa, Lower Nile, Mediterranean Northwest Africa, Nile Delta, Northern Eastern Rift, Sahara, Western Red Sea Drainages

	Asia: Baluchistan, Lower & Middle Indus Europe: Aegean Drainages, Arabian Interior, Atlantic Northwest Africa, Caspian Highlands, Central Anatolia, Coastal Levant, Dalmatia, Eastern Iberia, Esfahan, Gulf of Venice Drainages, Ionian Drainages, Italian Peninsula & Islands, Jordan River, Kavir & Lut Deserts, Lower Tigris & Euphrates, Namak, Northern Anatolia, Northern Hormuz Drainages, Oman Mountains, Orontes, Orumiyeh, Sinai, Southern Anatolia, Southern Iberia, Southwestern Arabian Coast, Thrace, Upper Tigris & Euphrates, Vardar, Western Anatolia
ecosystem type:	rivers, lakes/ponds, wetlands, general freshwater, coastal areas
covered timeframe:	1877 - 2020
comments:	there are also records without date

Site specifications

coordinate system/grid data:	latitude/longitude, format: DD
datum (e.g. WGS84):	WGS84
grid data available:	no
number of sites:	100 - 1000

Biological data

biological data origin:	from sampling, international & national projects general compilation, literature survey
comments:	Some of the data that come from sampling have been collected by national and international projects that were funded by ministries, research institutes or universities.
organism group addressed:	fish

Sample resolution

fish:

taxonomic resolution:	
level:	species
percentage of species level data:	100
taxonomic coding:	
taxalist according to:	Freyhof & Yogurtcuoglu (2020)
reference(s):	Freyhof, J. & Yogurtcuoglu, B. (2020): A proposal for a new generic structure of the killifish family Aphaniidae with the description of Aphaniops teimorii (Teleostei: Cyprinodontiformes). Zootaxa (in press).
sample specifications:	

Other specifications

GIS layers, shape files related to the dataset:	
	no data available
availability of maps:	yes

quality control procedures:

Were any quality control procedures applied to your dataset?

yes

quality control protocols and comments:

Many of the occurrence data were controlled by the barcoding results of Geiger et al. (2014) as well as our own unpublished molecular data.

reference(s):

Geiger, M.F., Herder, F., Monaghan, M.T., Almada, V., Barbieri, R., Bariche, M., Berrebi, P., Bohlen, J., Casal-Lopez, M., Delmastro, G.B., Denys, G.P.J., Dettai, A., Doadrio, I., Kalogianni, E., Kärst, H., Kottelat, M., Kovacic, M., Laporte, M., Lorenzoni, M., Marcic, Z., Özulug, M., Perdices, A., Perea, S., Persat, H., Porcelotti, S., Puzzi, C., Robalo, J., Sanda, R., Schneider, M., Slechtova, V., Stoumboudi, M., Walter, S. & Freyhof, J. (2014): Spatial heterogeneity in the Mediterranean Biodiversity Hotspot affects barcoding accuracy of its freshwater fishes. Molecular Ecology Resources 14, 1210-1221.

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Appendix

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