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General information

name of the dataset:

full name of the dataset: *Cladocera (Crustacea: Branchiopoda) occurrences from Western Maharashtra, India*

dataset short name: *Cladocera from Maharashtra, India*

type of dataset (more information**):**   *species distribution data*

data type: *point data/observation data*

short description of the dataset/summary:

This dataset provides species distribution information on Cladocera, which is an important group of freshwater zooplankton from the Western region of Maharashtra state, India. The collection was carried out at over 100 distinct localities from the year 2009 until 2016. Multiple samples were collected at some of the localities. Most of the samples were collected qualitatively using either a tow net or a hand net having a mesh of 150 micrometers based on the type of habitat (open water vs. littoral zone). The dataset includes species names along with the GIS data and waterbody type (pool, pond, water reservoir or river). A total of 52 species were found from 7 different families. Chydoridae was the most species-rich family with 28 species (Padhye & Dumont 2015, Padhye & Sousa 2020). One new endemic species - Moina hemanti Padhye & Dumont, 2014 - was newly described and another species - Magnospina siamensis (Sinev & Sanoamuang, 2007) - was reported for the first time from the Indian subcontinent (Padhye & Dumont 2014, Padhye & Sousa 2020). The endemic species was restricted to its type locality. Daphnia carinata was only observed in lateritic rock pools, while species like Latonopsis australis were also seen in hot water springs (Padhye & Kotov 2010, Padhye & Victor 2015, Kulkarni et al. 2019).

keywords according to GCMD**:**

topic: *Biosphere, Terrestrial Hydrosphere*

ISO topic category according to ISO 19115**:**

Biota, Inland Waters

INSPIRE keywords according to GEMET**:**

Species distribution

own science keywords: *Zooplankton, Anomopoda, Ctenopoda, Chydoridae, Daphnia, Moina, Alona*

funding: *Part of the work was carried out from the funds provided to SMP by the Council of Scientific and Industrial Research (CSIR), India.*

Technical and administrative specifications

data format: *Excel*
operating system: *others/specify*
  others/details: *Windows 10*
data language: *English*
current access level: *restricted access*
  currently available through GBIF: *no*
  exchange planned: *yes*
  data in data repository: *no*
Do you plan to publish the data on the Freshwater Biodiversity Data Portal:

          yes
update level: *update planned*
documentation:
  type: *manual, internal description*
  language: *English*

contact details:

  metadata contact person:
  first, last name: *Sameer Padhye*
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Intellectual property rights and citation

(if the dataset is already published):

dataset creator (data compiler):

contact name:	*Sameer M. Padhye*
contact email:	*sameer.m.padhye@gmail.com*
contact institution:	*Biologia Life Science LLP*

data contributors to/owners of this dataset:

	multiple
number:	*3*

provider 1:

provider institute:	*Biologia Life Science LLP*
contact name:	*Sameer M. Padhye*
contact position:	*Biologia Life Science LLP*
contact email:	*sameer.m.padhye@gmail.com*

criteria for using the data in a publication/scientific analysis:

> *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.*

provider 2:

provider institute:	*Department of Zoology, Ahmednagar College, Station road, Ahmednagar, Maharashtra*
contact name:	*Roseline Thorat*
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criteria for using the data in a publication/scientific analysis:

> *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.*

provider 3:

provider institute:	*Department of Zoology, Ahmednagar College, Station road, Ahmednagar, Maharashtra*
contact name:	*Avinash Isaac Vanjare*
contact position:	*Department of Zoology, Ahmednagar College, Station road, Ahmednagar, Maharashtra*
contact email:	*avinashisaac7@gmail.com*

criteria for using the data in a publication/scientific analysis:

> *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):	*Padhye, S.M., Thorat, R. & Vanjare, A.I.*
title and journal (name, number, pages):	
	Cladocera (Crustacea: Branchiopoda) occurrences from Western Maharashtra, India
year:	*2020*

citation of the metadata:

author(s):   *Padhye, S.M., Thorat, R.T. & Vanjare, A.I.*
title and journal (name, number, pages):

                                            Metadata to the Cladocera (Crustacea: Branchiopoda) occurrences from
                                            Western Maharashtra, India. Freshwater Metadata Journal 0: 0-0
year: *0000*
doi (if applicable):   https://doi.org/10.15504/fmj.0000.0

General data specifications

regional coverage of the dataset:

continents: *Asia*

   countries: *Asia: India*

   comments: *The dataset is from the state of Maharashtra in India.*

world climatic regions according to [Köppen](#)**:**

Group A: tropical/megathermal climates

Group B: dry (arid and semiarid) climates

   freshwater ecoregions of the world (FEOW) according to [WWF](#):

Asia: Northern Deccan Plateau, Western Ghats

ecosystem type: *rivers, lakes/ponds, wetlands, general freshwater*

covered timeframe:

year from: *2009*

   year to: *2016*

Site specifications

coordinate system/grid data: *latitude/longitude, format: DD*
   grid data available: *no*
   comments: *Some of the sites were distributed over a very small region like a rocky outcrop, where obtaining separate GIS data of pools was not possible. Hence, GIS data is redundant in such instances.*

number of sites: *100 - 1000*
   exact number of sites: *130*

Biological data

biological data origin: *from sampling,*
 specify project: *Diversity of Cladocera (Crustacea: Branchiopoda) in the Northern Western Ghats*
 specify method:
organism group addressed: *zooplankton (Cladocera)*

Sample resolution

<u>zooplankton:</u>
taxonomic resolution:
   percentage of species level data: *100*
taxonomic coding:
   taxalist according to: *Chatterjee et al. (2013)*
   citation: *Chatterjee, T., Kotov, A.A., Van Damme, K., Chandrasekhar, S.V.A., &*
                             Padhye, S. (2013). An annotated checklist of the Cladocera (Crustacea:
                             Branchiopoda) from India. Zootaxa 3667(1): 1-89.
sample specifications:
   specification of method(s) used for sampling and sorting:
                             Qualitative sampling was carried out using either a tow net or a hand net
                             based on the type of habitat (pool vs. river) or exact region of sampling
                             (open water vs. littoral region). The mesh size of the nets was 150
                             micrometers. The samples were preserved in 5-8% formalin in the field.

Other specifications

GIS layers, shape files related to the dataset:

no data available

availability of photos: *no*

availability of maps: *no*

quality control procedures:

Were any quality control procedures applied to your dataset?

no