Occurrence data of large branchiopods in the Northern Western Ghats, India

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Keywords
Western Ghats, Rock pools, Crustacea, Anostraca, Notostraca, Spinicaudata, Streptocephalus, Triops

Short description of the dataset/summary
The field data provide species distribution records of a crustacean group called the large branchiopods from some freshwater habitats in the Western Ghats of India. Species occurrence data have been collected from the year 2009 until 2017 at 45 different localities by means of qualitative sampling using a hand net of 150 μm mesh. Data include species name and occurrence records with name, GIS information and waterbody type of the sampled locality. A total of 12 species from 5 different orders which includes three new endemic species and two distinct populations are reported from a total of 90 samples (Rogers and Padhye 2014, 2015; Padhye and Dahanukar, 2015; Padhye and Ghate 2016; Padhye and Kulkarni, 2017; Padhye et al. 2015, 2016, 2018). All the three endemic species have a geographically restricted range with one species, Leptestheria gurneyi known only from its type locality till date. These data, therefore, provide baseline information for future biodiversity conservation planning and management of the habitats as well as the species.

General information

dataset entry ID: FWM_21
name of the dataset: Occurrence data of large branchiopods in the Northern Western Ghats, India
full name of the dataset: Branchiopod occurrence data in Western Ghats, India
dataset short name: Branchiopod occurrence data in Western Ghats, India
type of dataset: species distribution data
data type: point data/observation data

science keywords according to GCMD:
topic: Terrestrial Hydrosphere

ISO topic category according to ISO 19115:
Biota, Inland Waters
INSPIRE keywords according to GEMET:
Species distribution

Own science keywords: Indian subcontinent, rocky outcrops, Anostraca, Notostraca, Spinicaudata, Laevicaudata, freshwater

Funding: The initial part of the field work was carried out from the funds provided by CSIR-India PhD scholarship.

Technical and administrative specifications

data format: Excel
operating system: Win 8/8.1
data language: English
current access level: web (public)
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:
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Intellectual property rights and citation

Dataset creator (data compiler):
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Occurrence data of large branchiopods in the Northern Western Ghats, India

data contributors to/owners of this dataset:

- number: multiple
- data contributor/owner 1:
  - contact name: Sameer M. Padhye
  - contact email: sameer.m.padhye@gmail.com
  - contact institute: Systematics, Ecology & Conservation Lab, Zoo Outreach Organization
  - criteria for using this part of the dataset:
    The dataset is publicly available (data portal, data archive) and can be used without restrictions, but must be acknowledged and cited correctly.
- data contributor/owner 2:
  - contact name: Mihir R. Kulkarni
  - contact email: mihircoolkarni@gmail.com
  - contact institute: Department of Zoology, Savitribai Phule Pune University
  - criteria for using this part of the dataset:
    The dataset is publicly available (data portal, data archive) and can be used without restrictions, but must be acknowledged and cited correctly.

citation of this dataset:

- author(s): Padhye, S.M. & Kulkarni, M.R.
- year: 2019
- doi: https://doi.org/10.15468/vpaw3g

citation of the metadata:

- author(s): Padhye S.M.P. & Kulkarni M.R.K.
- title and journal (name, number, pages): Occurrence data of large branchiopods in the Northern Western Ghats, India.
- year: 2019
- doi: https://doi.org/10.15504/fmj.2019.41

dataset related references:

- reference 1:
  - author(s): Rogers, C. & Padhye, S.M.
  - year: 2014
  - doi: https://doi.org/10.11646/zootaxa.3802.1.6
- reference 2:
  - author(s): Padhye, S.M., Rabet, N. & Ghate, H.V.
  - title: First faunal inventory of large branchiopods (Crustacea: Branchiopoda) of Western Maharashtra, India with taxonomical and distributional comments. Zootaxa 3904 (2): 208-222.
  - year: 2015
  - doi: https://doi.org/10.11646/zootaxa.3904.2.2
- reference 3:
  - author(s): Padhye, S.M. & Dahanukar, N.


**General data specifications**

**regional coverage of the dataset:**
- spatial extent of the dataset: regional
- continents: Asia
- countries: Asia: India

**world climatic regions according to Köppen:**
- Group A: tropical/megathermal climates
- Group B: dry (arid and semi-arid) 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:**
- 2009 - 2017
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Site specifications

coordinate system/grid data: latitude/longitude, format: DD
grid data available: no
site coding available: no
number of sites: <100
   exact number of sites: 90

Biological data

biological data origin: from sampling,
   Taxonomy and Systematics of the 'Large Branchiopoda' (Crustacea: Branchiopoda) of the Indian Subcontinent
organism group addressed: other group(s): Anostraca, Notostraca, Spinicaudata, Laevicaudata, Cyclestherida

Sample resolution

other group(s):
taxonomic resolution: genus, species
   level:
percentage of species level data: 100
taxonomic coding:
taxalist according to: Rogers & Padhye (2015)
sample specifications:
   specification of method(s) used for sampling and sorting:
   A qualitative representative sampling of each habitat was carried out using a hand net having a mesh of 150 micrometers. Samples were immediately preserved in 8% formalin in the field.

Other specifications

GIS layers, shape files related to the dataset: species distribution
availability of photos: no
availability of maps: no
quality control procedures:
   Were any quality control procedures applied to your dataset?
   no
References


Padhye, S.M., Rabet, N. & Ghate, H.V., 2015. First faunal inventory of large branchiopods (Crustacea: Branchiopoda) of Western Maharashtra, India with taxonomical and distributional comments. Zootaxa 3904 (2): 208-222. https://doi.org/10.11646/zootaxa.3904.2.2


