Bangladesh
This report provides a series of summary charts, statistics and other details about the mobilization and use of open-access species data through the GBIF network, relating to users and participating institutions in Bangladesh. These metrics show status at the time of report generation, unless otherwise noted. Taken together, the elements of this report can help guide and measure progress toward the information needs for biodiversity research, as well as for national commitments on biodiversity and sustainable development.

▶ Access and usage

Researchers from Bangladesh contributed to 7 peer-reviewed articles citing GBIF use during 2023 and a total of 22 articles since 2008.

▶ Data availability in Bangladesh

Animalia 513,102 occurrences
Plantae 34,743 occurrences
Fungi 1,330 occurrences
Unknown 460 occurrences
Protozoa 4 occurrences
Bacteria 3,200 occurrences
Virus 8,124 occurrences
Chromista 221 occurrences
Archaea 0 occurrences

▶ Data mobilization

Institutions from Bangladesh published 123,141 new occurrence records during 2023 out of a total of 355,993,458 occurrence records added globally to GBIF.org.

Number of records published by institutions in Bangladesh, categorized by kingdom
Access and usage

Data downloads on GBIF.org from users in Bangladesh

Users from Bangladesh made 1,443 download requests representing 0.2% of all downloads during 2023.

Recent peer-reviewed articles using GBIF-mediated data by co-authors based in Bangladesh

The GBIF Secretariat maintains and reports on an ongoing literature tracking programme, giving priority to substantive uses of GBIF-mediated data in peer-reviewed literature while identifying the countries or areas of the authors’ institutional affiliations. The citations below represent the five most recent journal articles with at least one co-author from Bangladesh.

Those interested in assisting the Secretariat in identifying additional peer-reviewed uses of GBIF-mediated data may forward relevant citations to comms@gbif.org.


Chowdhury, Fuller, Rokonuzzaman et al. (2023) Insights from citizen science reveal priority areas for conserving biodiversity in Bangladesh. One Earth. https://doi.org/10.1016/j.oneear.2023.08.025


See all research from this country or area gbif.org/country/BD/publications/from
Data availability
Total data available for selected taxonomic groups in Bangladesh

- **Mammals**: 4,170 occurrences
- **Birds**: 434,743 occurrences
- **Bony fish**: 7,246 occurrences
- **Amphibians**: 539 occurrences
- **Insects**: 61,050 occurrences
- **Reptiles**: 910 occurrences
- **Molluscs**: 909 occurrences
- **Arachnids**: 474 occurrences
- **Flowering plants**: 33,864 occurrences
- **Ferns**: 526 occurrences
- **Gymnosperms**: 24 occurrences
- **Mosses**: 200 occurrences
- **Sac fungi**: 998 occurrences
- **Basidiomycota**: 182 occurrences

**Taxonomic group definitions**
- Mammals = Class *Mammalia*
- Birds = Class *Aves*
- Amphibians = Class *Amphibia*
- Insects = Class *Insecta*
- Reptiles = Class *Testudines, Sphenodontia, Squamata & Crocodylia*
- Molluscs = Phylum *Mollusca*
- Arachnids = Class *Arachnida*
- Flowering plants = Phylum *Magnoliophyta*
- Gymnosperms = Superclass *Gymnospermae*
- Mosses = Phylum *Bryophyta*
- Sac fungi = Phylum *Ascomycota*
- Basidiomycota = Phylum *Basidiomycota*

Change over time in records about biodiversity in Bangladesh

**Why might the amount of mobilized data decrease?**
Datasets are sometimes removed by publishers, but more often decreases in the number of records are due to the removal of duplicate records and datasets.

**Species counts** represent the number of binomial scientific names for which GBIF has received data records, organized as far as possible using synonyms recorded in key databases like the Catalogue of Life.
Newest publishers from Bangladesh

No data available

Occurrence records downloaded from GBIF.org, published by institutions in Bangladesh

See all publishers from this country or area: gbif.org/publisher/search?country=BD

Number of occurrence records downloaded via GBIF.org published by institutions in Bangladesh
Data mobilization

Data sharing with country or area of origin by national institutions in Bangladesh

The chart above shows the number of records shared over time by publishers within Bangladesh, with separate colours for records about species occurring within undefined and those occurring elsewhere.

Top data contributors about biodiversity in Bangladesh

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country or area</th>
<th>No. of occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Bangladesh</td>
<td>427,864</td>
</tr>
<tr>
<td>2</td>
<td>International organization or unknown country</td>
<td>60,386</td>
</tr>
<tr>
<td>3</td>
<td>United States of America</td>
<td>24,886</td>
</tr>
<tr>
<td>4</td>
<td>United Kingdom</td>
<td>22,708</td>
</tr>
<tr>
<td>5</td>
<td>Colombia</td>
<td>12,378</td>
</tr>
<tr>
<td>6</td>
<td>Australia</td>
<td>3,321</td>
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<tr>
<td>7</td>
<td>Netherlands</td>
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<td>8</td>
<td>France</td>
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<td>Germany</td>
<td>1,041</td>
</tr>
<tr>
<td>10</td>
<td>Switzerland</td>
<td>685</td>
</tr>
</tbody>
</table>

Table 1. Ranking of countries or areas contributing data about Bangladesh

See all contributing countries and areas or datasets: gbif.org/country/BD/about

Top datasets contributing data about Bangladesh

- EOD – eBird Observation Dataset. 427,864 occurrences in Bangladesh. (Last updated 20 Aug 2023)
- International Barcode of Life project (iBOL). 50,604 occurrences in Bangladesh. (Last updated 2 Jan 2024)
- A global database for the distributions of crop wild relatives. 12,355 occurrences in Bangladesh. (Last updated 6 Jun 2019)
- INSDC Host Organism Sequences. 9,357 occurrences in Bangladesh. (Last updated 30 Dec 2023)
- iNaturalist Research-grade Observations. 8,775 occurrences in Bangladesh. (Last updated 2 Jan 2024)