

Data audit for technical evaluation of Spider (Arachnida, Araneae) fauna of the lowland part of the Balkhash-Alakol basin (SE Kazakhstan): an integrated assessment

Resource links: <https://www.gbif.org/dataset/92cc4b3a-97f2-4aa3-b260-883ba061c1a9>

<https://www.gbif.org/dataset/791d91fe-ce27-4044-8a3d-a2a8b203f979>

the Darwin Core archives **dwca-almaty_literature-v1.3.zip** and **dwca-almaty_collection-v1.2.zip** were downloaded on 2025-10-12 from:
http://gbif.ru:8080/ipt/archive.do?r=almaty_literature
http://gbif.ru:8080/ipt/archive.do?r=almaty_collection

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About this evaluation

Pensoft does a technical evaluation of the dataset (or datasets) referred to in the data paper. If the dataset passes or has only minor problems, the data paper manuscript is referred to reviewers. If the dataset has major problems, a review of the paper is postponed until the dataset has been corrected.

To see what features of a dataset are checked in a technical evaluation, please go to
<https://zookeys.pensoft.net/about#Data Quality Checklist Recommendations>

Please note that Pensoft does not check the details of the content of a dataset, for example, whether the correct author is given for a scientific name or whether the correct latitude / longitude is given for a locality.

Recommendation: the datasets were improved but still contain a row of issues that should be addressed before the datapaper is accepted for review.

Part 1 - literature

1. (partly repeated) The **bibliographicCitation** field is intended to provide a reference for the resource itself rather than the source of initial details:

<https://dwc.tdwg.org/terms/#dcterms:bibliographicCitation>

For literature sources, it is more appropriate to use **associatedReferences**:

<https://dwc.tdwg.org/terms/#dwc:associatedReferences>

If you duplicated the **bibliographicCitation** field as **associatedReferences**, please remove the first one.

The example you provided in the response to the initial technical evaluation report is regarding the event, not a particular occurrence.

2. There is no "references" field in the Darwin Core standard. You can use the associatedReferences for specifying URLs as well.
3. (partly repeated) Please explain more clearly in the **informationWithheld** field, that for more details data user could refed to the source

4. Please verify the field lists in the **Data resources** section of the manuscript thoroughly. All fields from the datasets should be listed in the manuscript, and vice versa - all fields mentioned in the manuscript must appear in the datasets.

5. The **eventDate** and **verbatimEventDate** fields are inconsistent:

1993-06-30/08-12 1993-6-30/**1995-8-12**

1993-06-30/08-12 1993-6-30/**1995-8-12**

1993-06-13/06-14 1993-6-13/**1996-6-14**

and others.

Changes in the year were not taken into account.

6. If the month does not change, it is not necessary to specify it twice:

1919-06-01/06-29

1920-06-01/06-10

1993-05-28/05-15

1993-06-13/06-14

7. Is there any difference between the values in the **habitat** field:

building

buildings

8. Please round geographic coordinates up to 5 decimal places: 43.881100000000004

9. Please provide full scientific names with authorship and year:

Agalena taurica

Agroeca thorelli

Dictyna latens

Euophrys thorelli

Larinoides folium

and others

If you want to keep initial names according to the literature, you can use the verbatimIdentification field: <https://dwc.tdwg.org/terms/#dwc:verbatimIdentification>

10. If you use both **scientificName** and **acceptedNameUsage** fields, the **taxonomicStatus** field would be useful as well: <https://dwc.tdwg.org/terms/#dwc:taxonomicStatus>

11. Please unify the spelling of the scientificName field:

Pardosa turcestanica

Pardosa turkestanica (Roewer, 1951)

12. (partly repeated) Please unify spelling of the taxonRemarks field:

29 sp.n. holotype

4 sp.n.: holotype

5 sp.n. paratypes

2 sp.n.: paratypes

part2

13. There are multiple inconsistencies between geographic coordinates and localities:

4 46.22432,75.01124

2 46.22432,75.01124 Balkhash Lake, S coast

1 45.9475,74.97284 20 km from Karaoi village

1 45.9475,74.97284 NW part of Saryesik-Atyrau desert, 20 km NE from Karaoi village

2 43.97606,77.41633 near Shengeldy village

6 43.97606,77.41633 Balkhash Lake

2 44.91361,76.51472

1 44.91361,76.51472 22 km NE from Bakanas village

1 43.2452,76.9328

1 43.2452,76.9328 Shevchenko str., 89b

2 43.685,76.589

3 43.685,76.589 Sorbulak Lake

5 44.11592,78.70265

3 44.11592,78.70265 Altyn-Emel National Park, Shygan cordon

1 43.62823,76.74617

1 43.62823,76.74617 Sorbulak Lake

1 43.542,79.436

1 43.542,79.436 Chundzha village

1 43.2142,76.9226

5 43.2142,76.9226 Al-Farabi ave.

1 43.846,79.419

1 43.846,79.419 Chundzha, wooden lake

4 44.03047,79.5535

2 44.03047,79.5535 2.5 km E from Aidarly village

1 43.87487,78.19593

1 43.87487,78.19593 Altyn-Emel National Park, Zhantogai

1 43.9782,77.4147

1 43.9782,77.4147 near Shengeldy village

1 43.9782,77.4147 Kapshagay reservoir N coast, near Shengeldy village

7 43.95361,77.04639
10 43.95361,77.04639 Ili river bank, abandoned station of the Mining Institute

24 43.239,76.866
4 43.239,76.866 Sairan reservoir
1 43.239,76.866 Sairan reservoir, W coast

1 44.11639,78.70111
1 44.11639,78.70111 Altyn-Emel National Park

10 43.224,76.921
9 43.224,76.921 KazNU campus

15 43.219,76.923
3 43.219,76.923 KazNU campus

1 43.91278,75.50111 Tamgaly
1 43.91278,75.50111 Tamgaly village

7 43.9516,77.0603 Ili river bank
11 43.9516,77.0603 Ili river bank, abandoned station of the Mining Institute

14. There are inconsistencies between the **fieldNumber** and **eventDate** fields: No. of records | fieldNumber | eventDate

1 | WP37 | 2022-10-14
1 | WP37 | 2023-04-05

1 | WP247 | 2023-09-28
1 | WP247 | 2023-09-29

3 | WP262 | 2024-05-08
1 | WP262 | 2024-05-09

1 | WP266 | 2024-05-27
2 | WP266 | 2024-05-18

1 | 43 | 2021
1 | 43 | 2020-07-27

1 | 48 | 2020-07-07
1 | 48 | 2020-07-27

1 | 609 | 2021-08-15
1 | 609 | 2021-08-19

1 | 627 | 2021-12-15

1 | 627 | 2021-08-19

15. It can be advisable to add the ***collectionCode*** field, as your collection was registered in the GRSciColl registry:

<https://scientific-collections.gbif.org/institution/7e82dc97-c81e-4361-845f-4338170452b2/collections>