

Resource Summary Report

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MorphoBank

RRID:SCR_003213

Type: Tool

Proper Citation

MorphoBank (RRID:SCR_003213)

Resource Information

URL: <http://www.morphobank.org>

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Description: Web application providing online database and workspace for evolutionary research, specifically systematics (the science of determining the evolutionary relationships among species). It enables researchers to upload images and affiliate data with those images (labels, species names, etc.) and allows researchers to upload morphological data and affiliate it with phylogenetic matrices. MorphoBank is project-based, meaning a team of researchers can create a project and share the images and associated data exclusively with each other. When a paper associated with the project is published, the research team can make their data permanently available for view on MorphoBank where it is now archived.

Abbreviations: MorphoBank

Resource Type: data or information resource, database

Defining Citation: [PMID:34875801](#)

Keywords: phenotype, web service, phylogenetics, cladistics, histology, neurology, taxonomy, image, phylogeny, cladistic analysis, morphology, anatomy, evolution, homology, systems biology, FASEB list

Funding: NSF ;
NOAA NA04OAR4700191

Availability: Free, Freely available

Resource Name: MorphoBank

Resource ID: SCR_003213

Alternate IDs: DOI:10.25504/FAIRsharing.1y63n8, DOI:10.17616/R3PC7F, DOI:10.7934, nlx_156938, r3d100010786

Alternate URLs: <https://doi.org/10.17616/R3PC7F>, <https://doi.org/10.17616/r3pc7f>, <https://doi.org/10.7934/>, <https://dx.doi.org/10.7934/>, <https://fairsharing.org/10.25504/FAIRsharing.1y63n8>, <https://doi.org/10.17616/R3MK88>

Record Creation Time: 20220129T080217+0000

Record Last Update: 20260811T043157+0000

Ratings and Alerts

No rating or validation information has been found for MorphoBank.

No alerts have been found for MorphoBank.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 119 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Aureliano T, et al. (2026) Quaternary tufas of the western Potiguar Basin, Brazil: rapid xeromorphic adaptation and climate change inferred from sedimentology, paleobotany, and fossil diagenesis. *Die Naturwissenschaften*, 113(3).

Aureliano T, et al. (2026) Inside a duck-billed dinosaur: Vertebral bone microstructure of Huallasaurus (Hadrosauridae), Upper Cretaceous of Patagonia. *Anatomical record* (Hoboken, N.J. : 2007), 309(7), 1702.

Andruchow-Colombo A, et al. (2026) Revisiting the enigmatic Cheirolepidiaceae: origins, phylogenetic relationships, and a new whole-plant concept. *Annals of botany*, 137(6), 1876.

Kligman BT, et al. (2025) Unusual bone bed reveals a vertebrate community with pterosaurs and turtles in equatorial Pangaea before the end-Triassic extinction. *Proceedings of the National Academy of Sciences of the United States of America*, 122(29), e2505513122.

Mishol N, et al. (2025) Candidate Denisovan fossils identified through gene regulatory phenotyping. *Proceedings of the National Academy of Sciences of the United States of America*, 122(35), e2513968122.

Grams M, et al. (2025) A new morphological phylogeny of Malacostraca comparing the application of character dependencies and implied weighting. *Cladistics : the international*

journal of the Willi Hennig Society, 41(3), 283.

Prebus M, et al. (2025) Phylogenomics Resolve the Systematics and Biogeography of the Ant Tribe Myrmicini and Tribal Relationships within the Hyperdiverse Ant Subfamily Myrmicinae. *Systematic biology*, 74(4), 526.

Šmíd J, et al. (2025) Phylogeny and systematics of Arabian lacertids from the *Mesalina guttulata* species complex (Squamata, Lacertidae), with the description of a new species. *BMC zoology*, 10(1), 11.

Toefy FY, et al. (2025) Palaeobiology and osteohistology of South African sauropodomorph dinosaurs. *Journal of anatomy*, 247(3-4), 712.

Burriel-Carranza B, et al. (2025) Cryptic speciation in arid mountains: An integrative revision of the *Pristurus rupestris* species complex (Squamata, Sphaerodactylidae) from Arabia based on morphological, genetic and genomic data, with the description of four new species. *PloS one*, 20(2), e0315000.

Barbeitos MS, et al. (2024) AI-based coral species discrimination: A case study of the *Siderastrea* Atlantic Complex. *PloS one*, 19(12), e0312494.

Viertler A, et al. (2024) Three taphonomic stories of three new fossil species of Darwin wasps (Hymenoptera, Ichneumonidae). *Scientific reports*, 14(1), 17415.

Musser G, et al. (2024) A new Paleogene fossil and a new dataset for waterfowl (Aves: Anseriformes) clarify phylogeny, ecological evolution, and avian evolution at the K-Pg Boundary. *PloS one*, 19(7), e0278737.

Botero-Trujillo R, et al. (2024) Phylogeny of the Neotropical Hypoctonine Whip-Scorpions (Thelyphonida, Thelyphonidae), with Descriptions of Two New Genera and Species. *Insects*, 15(10).

Clement AM, et al. (2024) A Late Devonian coelacanth reconfigures actinistian phylogeny, disparity, and evolutionary dynamics. *Nature communications*, 15(1), 7529.

Gobbin TP, et al. (2024) Four new species of *Cichlidogyrus* (Platyhelminthes, Monopisthocotyla, Dactylogyridae) from Lake Victoria haplochromine cichlid fishes, with the redescription of *C. bifurcatus* and *C. longipenis*. *Parasite (Paris, France)*, 31, 46.

Zachos LG, et al. (2024) Selective concentration of iron, titanium, and zirconium substrate minerals within Gregory's diverticulum, an organ unique to derived sand dollars (Echinoidea: Scutelliformes). *PeerJ*, 12, e17178.

Du KS, et al. (2024) Multiple origins of dorsal ecdysial sutures in trilobites and their relatives. *eLife*, 12.

Zanno LE, et al. (2023) An early-diverging iguanodontian (Dinosauria: Rhabdodontomorpha) from the Late Cretaceous of North America. *PloS one*, 18(6), e0286042.

Riede T, et al. (2023) Post-pubertal developmental trajectories of laryngeal shape and size in humans. *Scientific reports*, 13(1), 7673.