

Resource Summary Report

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[MorphoJ](#)

RRID:SCR_016483

Type: Tool

Proper Citation

MorphoJ (RRID:SCR_016483)

Resource Information

URL: http://www.flywings.org.uk/morphoj_page.htm

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Description: Software package written in Java for geometric morphometric analysis for two- and three-dimensional landmark data. Offers user-friendly environment for standard multivariate analyses such as principal components, discriminant analysis and multivariate regression as well as specialized applications including phylogenetics, quantitative genetics and analyses of modularity in shape data.

Resource Type: software toolkit, data analysis software, software application, software resource, data processing software

Defining Citation: [PMID:21429143](#)

Keywords: geometric, morphometric, analyse, 2D, 3D, landmark, data, principal, component, discriminant, multivariate, regression, shape

Funding:

Availability: Free, Available for download, Freely available

Resource Name: MorphoJ

Resource ID: SCR_016483

License: the Apache License, Version 2.0

Record Creation Time: 20220129T080330+0000

Record Last Update: 20250419T055528+0000

Ratings and Alerts

No rating or validation information has been found for MorphoJ.

No alerts have been found for MorphoJ.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 33 mentions in open access literature.

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

Rodrigues BL, et al. (2024) Hidden diversity in anthropophilic sand flies of the *Monticola* Series (Diptera, Psychodidae). *Scientific reports*, 14(1), 27215.

Liu J, et al. (2024) Phylogenetics, Molecular Species Delimitation and Geometric Morphometrics of All Reddish-Brown Species in the Genus *Neotriplax* Lewis, 1887 (Coleoptera: Erotylidae: Tritomini). *Insects*, 15(7).

Mert Gören C, et al. (2024) Inter - and intraspecific phenotypic variation in co-occurring invasive and introduced cyprinid fish species. *Saudi journal of biological sciences*, 31(3), 103943.

Chalazoniti A, et al. (2024) Shape variation and sex differences of the adult human mandible evaluated by geometric morphometrics. *Scientific reports*, 14(1), 8546.

Tibihika PD, et al. (2023) Exploring the morphological dynamics of Nile tilapia (*Oreochromis niloticus* Linn. 1758) in Victoria Nile as depicted from geometric morphometrics. *BMC zoology*, 8(1), 28.

Kirschner P, et al. (2023) Phylogenomic inference and demographic model selection suggest peripatric separation of the cryptic steppe ant species *Plagiolepis pyrenaica* stat. rev. *Molecular ecology*, 32(5), 1149.

Detcharoen M, et al. (2023) Complete Genome of Rose Myrtle, *Rhodomyrtus tomentosa*, and Its Population Genetics in Thai Peninsula. *Plants (Basel, Switzerland)*, 12(8).

Acar E, et al. (2023) Morphological and functional trait divergence in endemic fish populations along the small-scale karstic stream. *BMC zoology*, 8(1), 29.

Sazgar T, et al. (2023) Soft-Tissue Analysis of Different Sagittal Skeletal Patterns Using the Geometric Morphometric Method. *European journal of dentistry*, 17(1), 97.

Salamanca-Carreño A, et al. (2023) Basicranial Modular Organization. A Study in the Araucanian Horse of Colombia. *Veterinary sciences*, 10(4).

Hoshino Y, et al. (2023) Synchondrosis fusion contributes to the progression of postnatal craniofacial dysmorphology in syndromic craniosynostosis. *Journal of anatomy*, 242(3), 387.

Montaño-Campaz ML, et al. (2022) Exposures to deltamethrin on immature *Chironomus columbiensis* drive sublethal and transgenerational effects on their reproduction and wing morphology. *Chemosphere*, 296, 134042.

Buttachon S, et al. (2022) Geometric Morphometric Analysis and Molecular Identification of Coconut Mite, *Aceria guerreronis* Keifer (Acari: Eriophyidae) Collected from Thailand. *Insects*, 13(11).

Johnson A, et al. (2021) Geometric morphometric analysis for sex determination using lateral cephalograms in Indian population: A preliminary study. *Journal of oral and maxillofacial pathology : JOMFP*, 25(2), 364.

Kmentová N, et al. (2021) Contrasting Host-Parasite Population Structure: Morphology and Mitogenomics of a Parasitic Flatworm on Pelagic Deepwater Cichlid Fishes from Lake Tanganyika. *Biology*, 10(8).

Martinet JP, et al. (2021) Wing Morphometrics of *Aedes* Mosquitoes from North-Eastern France. *Insects*, 12(4).

Budeševič S, et al. (2021) Sexual Dimorphism and Morphological Modularity in *Acanthoscelides obtectus* (Say, 1831) (Coleoptera: Chrysomelidae): A Geometric Morphometric Approach. *Insects*, 12(4).

Nattero J, et al. (2021) Phenotypic plasticity, canalisation and developmental stability of *Triatoma infestans* wings: effects of a sublethal application of a pyrethroid insecticide. *Parasites & vectors*, 14(1), 355.

Widmer L, et al. (2020) Where Am I? Niche constraints due to morphological specialization in two Tanganyikan cichlid fish species. *Ecology and evolution*, 10(17), 9410.

Figueroa O, et al. (2020) Testing strategic pluralism: The roles of attractiveness and competitive abilities to understand conditionality in men's short-term reproductive strategies. *PloS one*, 15(8), e0237315.