

# List of publications (September 23, 2024)

Diego Sasso Porto

\* 5 most relevant publications

## Peer-reviewed scientific articles

- Duque, J. C. G., Balk, M., Dahdul, W., Lapp, H., Mikó, I., Alhajjar, E., Wynd, B., Tarasov, S., Lawrence, C., Khakurel, B., Porto, A., Yan, L., Fluck, I. E., **Porto, D. S.**, Keating, J. N., Borokini, I. T., Seltmann, K. C., Montanaro, G., & Mabee, P. (2024). Meeting Report for the Phenoscape TraitFest 2023 with Comments on Organising Interdisciplinary Meetings. *Biodiversity Information Science and Standards*, 8, e115232. DOI: <https://doi.org/10.3897/biss.8.115232>
- \* **Porto, D. S.**, Uyeda, J., Mikó, I., & Tarasov, S. (2024). ontophylo: Reconstructing the evolutionary dynamics of phenomes using new ontology-informed phylogenetic methods. *Methods in Ecology and Evolution*, 15(2), 290-300. <https://doi.org/10.1111/2041-210X.14283>
- \* **Porto, D. S.**, Tarasov, S., Charpentier, C., Lapp, H., Balhoff, J. P., Vision, T. J., Dahdul, W. M., Mabee, P. M., & Uyeda, J. (2023). rphenoscape: An R package for semantics-aware evolutionary analyses of anatomical traits. *Methods in Ecology and Evolution*, 14(10), 2531-2540. <https://doi.org/10.1111/2041-210X.14210>
- \* Almeida, E. A. B., Bossert, S., Danforth, B. N., **Porto, D. S.**, Freitas, F. V., Davis, C. C., Murray, E. A., Blaimer, B. B., Spasojevic, T., Ströher, P. R., Orr, M. C., Packer, L. P., Brady, S. G., Kuhlmann, M., Branstetter, M. G., & Pie, M. R. (2023). The evolutionary history of bees in time and space. *Current Biology*, 33(16), 3409-3422. <https://doi.org/10.1016/j.cub.2023.07.005>
- Porto, D. S.**, Dahdul, W. M., Lapp, H., Balhoff, J. P., Vision, T. J., Mabee, P. M., & Uyeda, J. (2022). Assessing Bayesian phylogenetic information content of morphological data using knowledge from anatomy ontologies. *Systematic Biology*, 71(6), 1290-1306. <https://doi.org/10.1093/sysbio/syac022>
- \* **Porto, D. S.**, & Almeida, E. A. B. (2021). Corbiculate bees (Hymenoptera: Apidae): Exploring the limits of morphological data to solve a hard phylogenetic problem. *Insect Systematics and Diversity*, 5(3), 2. <https://doi.org/10.1093/isd/ixab008>
- \* **Porto, D. S.**, Almeida, E. A. B., & Pennell, M. W. (2021). Investigating morphological complexes using informational dissonance and Bayes factors: A case study in corbiculate bees. *Systematic Biology*, 70(2), 295-306. <https://doi.org/10.1093/sysbio/syaa059>
- Porto, D. S.**, & Almeida, E. A. B. (2019). A comparative study of the pharyngeal plate of Apoidea (Hymenoptera: Aculeata), with implications for the understanding of phylogenetic relationships of bees. *Arthropod Structure & Development*, 50, 64-77. <https://doi.org/10.1016/j.asd.2019.04.002>
- Porto, D. S.**, Almeida, E. A. B., & Vilhelmsen, L. (2017). Comparative morphology of internal structures of the mesosoma of bees with an emphasis on the corbiculate clade (Apidae: Apini). *Zoological Journal of the Linnean Society*, 179(2), 303–337. <https://doi.org/10.1111/zoj.12466>
- Porto, D. S.**, Vilhelmsen, L., & Almeida, E. A. B. (2016). Comparative morphology of the mandibles and head structures of corbiculate bees (Hymenoptera: Apidae: Apini). *Systematic Entomology*, 41(2), 339-368. <https://doi.org/10.1111/syen.12156>

**Porto, D. S., Melo, G. A., & Almeida, E. A. B. (2016).** Clearing and dissecting insects for internal skeletal morphological research with particular reference to bees. *Revista Brasileira de Entomologia*, 60(1), 109-113. <https://doi.org/10.1016/j.rbe.2015.11.007>

Almeida, E. A. B., & **Porto, D. S. (2014).** Investigating eusociality in bees while trusting the uncertainty. *Sociobiology*, 61(4), 355-368. <https://doi.org/10.13102/sociobiology.v61i4.355-368>

## Abstracts

Tarasov, S., Montanaro, G., Losacco, F., & **Porto, D. S. (2023).** Towards FAIR principles in biodiversity research: Enabling computable taxonomic descriptions and ecological data with phenoscript. *Biodiversity Information Science and Standards*, 7. <https://doi.org/10.3897/biss.7.111862>

## Theses

**Porto, D. S. (2019).** Phylogenetic relationships and comparative internal morphology of bees (Hymenoptera: Apoidea: Anthophila) (*Doctoral dissertation*, University of Sao Paulo). [https://repositorio.usp.br/single.php?id=002991289&locale=en\\_US](https://repositorio.usp.br/single.php?id=002991289&locale=en_US)

**Porto, D. S. (2015).** Phylogenetic relationships of corbiculate bees (Hymenoptera: Apidae: Apini) (*Master's thesis*, University of Sao Paulo). <https://www.teses.usp.br/teses/disponiveis/59/59131/tde-29122015-125541/en.php>