

Angelos Amyntas

Personal information

Date of birth: 1 July 1988

Nationality: Greek

Residence: Leipzig, Germany

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Education

2020-	PhD Student - Friedrich Schiller University Jena, Germany; research group: Theory in Biodiversity Science - iDiv Thesis subject: <i>Multi-trophic energy fluxes in soil food webs along plant diversity-productivity gradients</i> ; supervised by Dr. Ulrich Brose
2016-2019	Master in Environmental Biology - University of Crete, Greece Thesis subject: <i>The formation of Carabidae assemblages in wetland ecosystems of Crete with a focus on artificial wetlands</i>
2014	Degree in Biology - Aristotle University of Thessaloniki, Greece

Current position

3.2023-9.2024	Research employee - Friedrich Schiller University Jena
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Previous positions

3.2022-2.2023	Research employee - University of Göttingen
3.2020-2.2022	Research employee - Friedrich Schiller University Jena
10.2019-2.2020	Research assistant - University of Leipzig

Skills & experience

statistics	GL(M)Ms mostly through <i>brms</i> ; I can work with fairly complex multilevel models in <i>brms</i> , I can write simpler models directly in Stan some familiarity with SEMs, GAMs
coding	R (advanced) NetLogo, Julia (eager novice)
software	InkScape, Adobe Illustrator
field	I coordinated and participated in the set-up and sampling of several field and mesocosm experiments. I have also trained and overseen the work of student assistants.
lab	microscopy, soil fauna extraction methods, invertebrate identification

Conferences

2023	British Ecological Society - Liverpool (poster)
2023	German Ecological Society - Leipzig (poster)
2022	British Ecological Society - Edinburgh (talk)
2022	German & French Ecological Society - Metz (talk)
2022	SORTEE – online (reproducibility workshop)

Student supervision

2022-2024	supervision of 2 master students
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List of publications

First author:

Amyntas, A., Berti, E., Gauzens, B., Albert, G., Yu, W., Werner, A. S., Eisenhauer, N., & Brose, U. (2023). Niche complementarity among plants and animals can alter the biodiversity–ecosystem functioning relationship. *Functional Ecology*, 1365–2435.14419.

<https://doi.org/10.1111/1365-2435.14419>

code: <https://github.com/amynang/AssembleDiversiFun>

Contributing author:

Sünnemann, M., Barnes A., **Amyntas, A.**, Ciobanu, M., Lochner, A., Potapov, A., Reitz, T., Rosenbaum, B., Schädler, M., Zeuner, A., Eisenhauer, N. 2024 Sustainable land use strengthens microbial and herbivore controls in soil food webs in current and future climates (*accepted*)

Li, Y., A. Schuldt, A. Ebeling, N. Eisenhauer, Y. Huang, G. Albert, C. Albracht, **A. Amyntas**, M. Bonkowski, H. Bruelheide, M. Bröcher, D. Chesters, J. Chen, Y. Chen, J.-T. Chen, M. Ciobanu, X. Deng, F. Fornoff, G. Gleixner, L. Guo, P.-F. Guo, A. Heintz-Buschart, A.-M. Klein, M. Lange, S. Li, Q. Li, Y. Li, A. Luo, S. T. Meyer, G. von Oheimb, G. Rutten, T. Scholten, M. D. Solbach, M. Staab, M.-Q. Wang, N. Zhang, C.-D. Zhu, B. Schmid, K. Ma, and X. Liu. 2024. Plant diversity enhances ecosystem multifunctionality via multitrophic diversity. *Nature Ecology & Evolution*:1–11. <https://doi.org/10.1038/s41559-024-02517-2>

Dyer, A., Ryser, R., Brose, U., **Amyntas, A.**, Bodnar, N., Boy, T., Franziska Bucher, S., Cesarz, S., Eisenhauer, N., Gebler, A., Hines, J., Kyba, C. C. M., Menz, M. H. M., Rackwitz, K., Shatwell, T., Terlau, J. F., & Hirt, M. R. (2023). Insect communities under skyglow: Diffuse night-time illuminance induces spatio-temporal shifts in movement and predation. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 378(1892), 20220359.

<https://doi.org/10.1098/rstb.2022.0359>

Terlau, J. F., Brose, U., Eisenhauer, N., **Amyntas, A.**, Boy, T., Dyer, A., Gebler, A., Hof, C., Liu, T., Scherber, C., Schlägel, U. E., Schmidt, A., & Hirt, M. R. (2023). Microhabitat conditions remedy heat stress effects on insect activity. *Global Change Biology*, 29(13), 3747–3758.

<https://doi.org/10.1111/gcb.16712>

Jochum, M., Barnes, A. D., Brose, U., Gauzens, B., Sünnemann, M., **Amyntas, A.**, & Eisenhauer, N. (2021). For flux's sake: General considerations for energy-flux calculations in

ecological communities. *Ecology and Evolution*, 11(19), 12948–12969.

<https://doi.org/10.1002/ece3.8060>

Unpublished first-author manuscripts

in review:

Amyntas, A., Klarner, B., Ilieva-Makulec, K., Madaj, A. M., Li, J., Potapov, A. M., Rosenbaum, B., Gauzens, B., Scheu, S., Eisenhauer, N., Brose, U. Soil community history strengthens belowground multitrophic functioning across plant diversity levels in grassland experiment

in review:

Amyntas, A., Gauzens, B., Ciobanu, M., Warnke, L., Maraun, M., Salamon, J. A., Merkle, M., Bassi, L., Hennecke, J., Lange, M., Gleixner, G., Scheu, S., Eisenhauer, N., Brose, U. Shared community history strengthens plant diversity effects on belowground multitrophic functioning

<https://www.authorea.com/users/397547/articles/658924-shared-community-history-strengthens-plant-diversity-effects-on-belowground-multitrophic-functioning>

I am fluent in English. My German is poor but improving, while my Greek is getting rusty. I have a standard driver's license (B) but generally I prefer cycling.