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## Editorial

# The importance of community and ecology research

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It is up to human beings to create a more sustainable and equitable future by developing a deeper understanding of the environment. The field of community and ecology research is constantly evolving, and this journal aims to serve as a platform to share cutting-edge discoveries, new methodologies, and insightful perspectives<sup>[1,2]</sup>. In this editorial, it has been tried to reflect the importance of cooperation and sustainability in scientific studies.

Collaboration is at the heart of scientific progress<sup>[3]</sup>. Through the exchange of ideas, pooling of resources, and collaborative efforts of researchers, complex ecological problems can be solved, and meaningful contributions can be made to the field<sup>[4,5]</sup>. Community and ecology research actively promotes interdisciplinary collaboration, recognizing that integrating different perspectives is crucial for a comprehensive understanding of the complex web of life.

In a spirit of collaboration, researchers will explore synergies between disciplines, as well as encounter numerous opportunities to bridge the gaps between ecology, genetics, social sciences and beyond. By adopting a multidisciplinary approach, the complex relationships between communities and their environments can be resolved and pressing issues can be addressed such as biodiversity loss, ecosystem degradation and climate change<sup>[6,7]</sup>.

Sustainability has come to the fore as another fundamental principle underlying the work of ecologists<sup>[8,9]</sup>. Aware of their responsibility to create a sustainable future for our planet, ecologists conduct research that explores the intricacies of community dynamics<sup>[10]</sup>. Research should contribute to knowledge generation and provide insights that inform conservation strategies, restoration efforts, and sustainable management practices<sup>[11]</sup>.

In conclusion, researchers should be encouraged to explore innovative conservation approaches, ecosystem-based management strategies, and the role of local communities in biodiversity conservation. By demonstrating the link between ecological research and real-world practices, it is possible to inspire change and contribute to the well-being of both human societies and the natural world. Recognizing the importance of inclusion and diversity as scientists, we have a responsibility to encourage researchers from all backgrounds, regions, and career stages to contribute to science with their unique perspectives and expertise. By prioritizing diversity in our publications, we can enrich the scientific discourse and support a more equitable and inclusive research environment.

## Conflict of interest

The author declares no conflict of interest.

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## References

1. Morin PJ. *Community Ecology*, 2nd ed. Wiley-Blackwell 2011.
2. Mittelbach GG, McGill BJ. *Community Ecology*. Oxford University Press; 2019.
3. Hennemann S, Liefner I. Global science collaboration. In: Archibugi D, Filippetti A. *The Handbook of Global Science, Technology, and Innovation*. Wiley-Blackwell; 2015. pp. 343–363.
4. Fischer A, Greiff S, Funke J. The process of solving complex problems. *Journal of Problem Solving* 2012; 4(1): 19–42.
5. Coleman S, Hurley S, Koliba C, Zia A. Crowdsourced Delphis: Designing solutions to complex environmental problems with broad stakeholder participation. *Global Environmental Change* 2017; 45: 111–123. doi: 10.1016/j.gloenvcha.2017.05.005
6. Berkes F. *Coasts for People: Interdisciplinary Approaches to Coastal and Marine Resource Management*. Routledge; 2015.
7. Titeux N, Henle K, Mihoub JB, et al. Biodiversity scenarios neglect future land - use changes. *Global Change Biology* 2016; 22(7): 2505–2515. doi: 10.1111/gcb.13272
8. Graham P. *Building Ecology: First Principles for a Sustainable Built Environment*. Blackwell; 2003.
9. Singh JS, Singh SP, Gupta SR. *Ecology, Environmental Science and Conservation*. S. Chand Publishing; 2014.
10. Visbeck M. Ocean science research is key for a sustainable future. *Nature Communications* 2018; 9(1): 690. doi: 10.1038/s41467-018-03158-3
11. Uyan A, Turan C. Genetic and morphological analyses of tub gurnard *Chelidonichthys lucerna* populations in Turkish marine waters. *Biochemical Systematics and Ecology* 2017; 73: 35–40. doi: 10.1016/j.bse.2017.06.003