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An egg is always an adventure: anthropogenic impacts on *Culex pipiens* population dynamics

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Stellingen

Behorende bij het proefschrift

An egg is always an adventure

1. Mosquitoes are important benefactors of anthropogenic change (This thesis, Chapters 2 and 4).
2. Interactive effects between stressors are prevalent, highlighting the need to include multiple and combined stressors in ecological research (This thesis, Chapter 2).
3. Including ecological realism by adding temporal fluctuations in stressors increases the accuracy of measured traits (This thesis, Chapter 3).
4. The historical ecological context informs us on when patterns may be extrapolated, or when additive research is required (This thesis, Chapter 4).
5. Facilitating natural processes like predation may prove to be valuable interventions, by both limiting mosquito survival, and deterring colonization altogether (This thesis, Chapter 5).
6. Most projections of vector abundance and disease transmission are likely to be biased because they are based on traits measured under optimal conditions (Adapted from Huxley et al., 2021).
7. An understanding of interactions is needed for the extrapolation of experimental results to ecosystems (Adapted from Heugens, 2001).
8. In reality, a suite of interacting factors modulates the ability of species to survive in their habitat and these factors can only be uncovered by examining field populations (Adapted from Phelan, 2023).
9. The multifaceted nature of contemporary health issues, including emerging diseases and climate change impacts, necessitates a concerted effort that transcends traditional disciplinary boundaries (Adapted from Danasekaran, 2024).
10. Science is an iterative process built not only on 'giants', but perhaps more so by the many small, and sometimes misgiven findings.
11. Provided the right mindset, everything in life becomes a side project.

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