

Topical Collection

Science of Insect Rearing Systems

Message from the Collection Editor

This Special Issue will focus on the various studies of insect rearing systems approached from a science-based perspective. Investigations of physical, chemical, and biological aspects of rearing systems will be the focus of this collection. Papers are welcomed that explore the various rearing systems components including (but not limited to) genetics of reared insects, including epigenetics, the physiological ecology of reared insects, studies of nutrition, feeding stimulation, digestive physiology and biochemistry, and behavior—all in a rearing context. Papers are welcomed that explore physical/chemical aspects of rearing systems such as rheology or chemical interactions of diets, microclimates in rearing systems, soil dynamics (for rearing soil-dwelling insects), conditions and characteristics of aquatic rearing systems (for example, pH, oxygen, ammonia, and CO₂ dynamics in mosquito larvae rearing). Papers that use statistical-based approaches to rearing system optimization are encouraged. For this Special Issue, authors are urged to design their studies around explicitly stated rationale and hypotheses.

Collection Editor

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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is
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submission; acceptance to publication is undertaken in 2.9
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the first half of 2025).