



## Visualization in Biology Education

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### Message from the Guest Editors

Dear Colleagues,

Scientific visualizations (diagrams, animations, simulations, etc) play an essential role in biology education, particularly when it comes to communicating phenomena occurring at the submicroscopic levels, where there are no observable counterparts in the real world. Visualizations can be powerful tools of intuition, playing a critical role in transforming the way students think about the scientific realm. However, a greater understanding of how the design features of dynamic visualizations supports students' understanding of complex systems is required if we are to provide pedagogically impactful experiences.

For the scope of this Special Issue, we classify visualizations to include illustrations, video, diagrams, animation, interactive media, simulations, and educational games for use in formal learning environments. The span of biology education includes K–12, community college and higher education classrooms.

Topics of interest to this Special Issue include, but are not limited to:

- Original research examining the impact of visualization in biology education
- Design of novel visualization strategies to support learning in biology education





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## Message from the Editor-in-Chief

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