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## Towards a Systems Biology Approach

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submissions:

**closed (28 September 2021)**

### Message from the Guest Editors

Advancement in experimental instrumentation and techniques coupled with enhanced computational powers has brought about the evolution of systems biology. This integrates quantifiable data with respective mechanisms to allow the understanding of the broader pathways and systems in the fields of biology, physiology, pharmacology and toxicology. However, it is acknowledged that there still remains much to be revealed in any system and that quantification is not always done for all the observations. Data availability and integrity are vital for the systems biology approach to be successful, and we need to uncover and quantify many more mechanisms and pathways in order to avoid models with excessive uncertainty and unnecessary assumptions.

Potential topics of this Special Issue include but are not limited to:

- systems biology
- systems pharmacology
- quantitative sciences
- modeling and simulations
- physiologically based model
- mathematical model



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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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