

## Special Issue

# Bio-Applications of Engineered *Escherichia coli*

### Message from the Guest Editors

This Special Issue on “Bio-Applications of engineered *Escherichia coli*” will focus on original research papers, comprehensive reviews and communications on the use of engineered *E. coli* to solve several of mankind’s problems. We welcome engineered *E. coli* applications related to the production of value-added compounds that promote sustainable and economically viable industrial processes, the development of new diagnosis tools and treatments, and ways to fight global warming, among other topics. Areas of interest for this Special Issue include, but are not limited to, the following:

- *E. coli* as chassis for the expression of heterologous pathway for value-added compound production;
- *E. coli* as chassis for the production of therapeutic proteins and/or molecules;
- Development of improved *E. coli* strains to overcome limitations (e.g., post-translational modifications absence);
- Development of tools to improve *E. coli* engineering;
- *E. coli* as a whole-cell biosensor in diagnostic tools, pollution detection, etc.;
- Engineered *E. coli* as therapeutic agent.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 December 2024)



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### Editor-in-Chief

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