# **Special Issue**

# Organisms as Diagnostic Technologies: Harnessing Life for Sensing Mechanisms

## Message from the Guest Editors

The integration of living organisms or biologically inspired systems into diagnostic technologies represents a new frontier in modern medicine and environmental science. The ability to leverage the natural sensing capabilities of cells, bacteria, or even genetically modified organisms offers unprecedented opportunities for detection at the molecular level. These biological sensors can potentially detect a wide array of substances or conditions with high sensitivity and specificity, often surpassing traditional chemical or electronic sensors in terms of selectivity, cost, and environmental friendliness.

#### **Guest Editors**

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#### Editor-in-Chief

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