



## Gravitational Wave Observatory: The Realm of Applied Science

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Deadline for manuscript  
submissions:

**1 May 2025**

### Message from the Guest Editor

Dear Colleagues,

The observation of gravitational waves has become one of the topics of great interest in recent years, in particular after the first direct detection of a gravitational signal coming from a black hole binary in 2016.

In this volume, we intend to present the new and advanced technologies behind the realization of this result which is at the crossroads between fundamental physics and astronomy.

The volume collects the interdisciplinary contributions on methods and algorithms ancillary to the detection result, is open to works that present the results obtained in astronomy and fundamental physics, and also opens to similar study cases in other fields of fundamental physics.

Prof. Dr. Vincenzo Pierro

*Guest Editor*





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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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