

## Special Issue

# High- $k$ and Low-Loss Dielectric Materials for Resonator Systems

### Message from the Guest Editor

Due to their ability to efficiently concentrate electromagnetic energy, high-permittivity and low loss dielectric materials have found their durable application as resonators. Particular interest in them was caused by the rapid development of wireless telecommunication systems in the 1980s–1990s. The purpose of this Special Issue is to gather in one place and demonstrate both actively developing and emerging areas of application of dielectric resonator materials. Up to now, most of these materials are ternary oxides, mainly titanates or tantalates. With this Special Issue, we hope to draw attention and inspire researchers to use and develop new classes of dielectric materials for resonator systems. For further reading, please visit the [Special Issue website](#).

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### Guest Editor

Dr. Iryna Golovina

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### Deadline for manuscript submissions

closed (30 June 2022)



## Applied Sciences

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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