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Design of Electro-Optic Polymers

Guest Editor:

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Deadline for manuscript submissions:

closed (28 February 2022)

Message from the Guest Editor

Dear Colleagues,

We would like to invite you to submit a manuscript to the Special Issue of *Applied Sciences* “Design of Electro-Optic Polymers”.

The aim of this Special Issue is to bring together world-leading researchers and industry experts on topics related to electro-optic polymer design and to highlight recent advancements, emerging contributions, existing challenges, and the future outlook for EOPs. Both experimental and computational approaches will be considered on the following non-exhaustive list of topics:

- Non-centrosymmetric chromophore design;
- Chromophore–polymer aggregation suppression;
- Chromophore–polymer molecular architecture;
- Chromophore alignment relaxation, signal drift, long-term electro-optic stability;
- Poling efficiency, electro-optic r_{33} characterization;
- EOP device integration (modulation/waveguide, THz wave generation/detection, frequency conversion, sensors);
- EOP market projections and industry requirements;
- EOP material sourcing and recycling.

For further reading, please visit the *Special Issue website*.



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Special Issue



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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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