# Special Issue

# Design and Synthesis of Organometallic Optoelectronic Materials

## Message from the Guest Editor

Organic optoelectronic materials play an irreplaceable role in many research fields, such as organic solar cells, organic photodetectors, organic light-emitting diode, photo/electrocatalysis and so on. Developing novel materials is the key issue to improve device performance and commercial progress. Organometallic materials hold great potential with the advantages of both organic and metallic materials. Organic segments provide wide space to adjust the molecular energy levels and bandgap, as well as solubility, crystallinity, and flexibility. Metallic segments involving cheap metal or heavy metal facilitate the improvement in molecular stability, molecular packing, the yield of triplet excitons and catalytic centers. Therefore, the research on highly efficient organometallic materials and their optoelectronic application would attract considerable attention around the world.

## Guest Editor

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## Deadline for manuscript submissions

closed (30 April 2025)

**Molecules**

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**CiteScore 8.6**
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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

### Editor-in-Chief

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