

## Special Issue

# Research on Porphyrin and Related Compounds Used in Photodynamic Anticancer and Antimicrobial Therapy

### Message from the Guest Editors

This Special Issue aims to highlight recent advances in the design, synthesis, and characterization of porphyrin-based compounds, including porphyrin conjugates, toward new photosensitizers with improved properties for anticancer and antimicrobial photodynamic therapy. Improved characteristic(s) in this area can be one or more of the following: higher production of singlet oxygen/ROS, improved drug delivery and increased bioavailability, selectivity for target cells, increased cellular binding/uptake, specific organelle targeting, overpowering hypoxia, and multifunctional activity (including imaging). In achieving these goals, porphyrins can be used in new formulations, as well as in combination therapies, and it is desirable to show the achieving of a required photodynamic effect with lower drug concentrations and lower light doses. Original research articles are welcome in this Special Issue, which may include in vitro and in vivo studies, as well as reviews.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 September 2025)



## Pharmaceutics

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