

## Special Issue

# Photodynamic Therapy for Medical Applications: From Infections to Tissue Regeneration

### Message from the Guest Editors

Photodynamic therapy (PDT) is an innovative treatment using light, photosensitizers, and molecular oxygen to induce therapeutic effects. Initially developed for cancer, PDT has expanded to antimicrobial therapy, inflammation control, and tissue regeneration. This minimally invasive approach offers targeted treatment with fewer side effects and reduced concerns about antimicrobial resistance. This Issue explores PDT's role in modern medicine, from mechanisms to clinical applications. We invite original research, reviews, and clinical studies on novel photosensitizers, light delivery systems, treatment protocols, and combination therapies. Topics include PDT for microbial infections (antimicrobial PDT), oral potentially malignant disorders (OPMDs), oncology, dermatology, chronic wounds, and regenerative medicine. Research on mechanistic insights, safety, and strategies to enhance PDT efficacy and selectivity is encouraged. As PDT gains traction in medical practice, this Issue will serve as a resource for researchers, clinicians, and industry professionals advancing its applications.

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### Deadline for manuscript submissions

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### Editor-in-Chief

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