



## Photodynamic Therapy in the Inactivation of Microorganisms

Guest Editor:

**Prof. Dr. Adelaide Almeida**

Departamento de Biologia,  
CESAM - Centro de Estudos do  
Ambiente e do Mar, Campus  
Universitário de Santiago,  
Universidade de Aveiro, 3810-193  
Aveiro, Portugal

Deadline for manuscript  
submissions:

**closed (31 December 2019)**

### Message from the Guest Editor

Dear Colleagues,

This Special Issue aims to update the recent knowledge about antimicrobial photodynamic therapy. Although the efficacy of antimicrobial photodynamic therapy (aPDT) has been proved to be an alternative to the conventional antimicrobials, there is still room for new improvements namely to translate the approach to medical and environmental areas. Some important aspects are related with the development of synthetic strategies able to afford efficient photosensitizers at low cost and also of photodynamic protocols where the amount of the photosensitizer or the treatment time is decreased. It is expected that this special issue can also motivate groups to respond to the currently underutilization in clinic and environmental applications in order to obtain safe aPDT protocols to the host and to the environment.

Prof. Dr. Adelaide Almeida  
*Guest Editor*





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Nicholas Dixon

School of Chemistry and  
Molecular Bioscience, University  
of Wollongong, Wollongong, NSW  
2522, Australia

## Message from the Editor-in-Chief

There are very few fields that attract as much attention as scientific endeavor related to antibiotic discovery, use and preservation. The public, patients, scientists, clinicians, policy-makers, NGOs, governments, and supra-governmental organizations are all focusing intensively on it: all are concerned that we use our existing agents more effectively, and develop and evaluate new interventions in time to face emerging challenges for the benefit of present and future generations. We need every discipline to contribute and collaborate: molecular, microbiological, clinical, epidemiological, geographic, economic, social scientific and policy disciplines are all key. *Antibiotics* is a nimble, inclusive and rigorous indexed journal as an enabling platform for all who can contribute to solving the greatest broad concerns of the modern world.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPUS / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (*Pharmacology & Pharmacy*) / CiteScore - Q1  
(*General Pharmacology, Toxicology and Pharmaceutics*)

## Contact Us

*Antibiotics* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/antibiotics](http://mdpi.com/journal/antibiotics)  
[antibiotics@mdpi.com](mailto:antibiotics@mdpi.com)  
[X@antibioticsmdpi](https://twitter.com/antibioticsmdpi)