

## Special Issue

# Recent Advances in Antiviral, Anticancer and Antimalarial Therapy Using Artemisinins and Synthetic Mimics

### Message from the Guest Editors

The present Special Issue intends to highlight recent advances in the design and development of new biologically active natural and synthetic peroxides toward highly efficient antimalarial, antiviral, and antitumoral therapies. The biological activity of organic peroxides is usually associated with the antimalarial properties of artemisinin and its derivatives. Artemisinin, along with its derivatives, has become one of the most studied natural products by scientists, especially by medicinal chemists. Artemisinin is an enantiomerically pure sesquiterpene, containing a 1,2,4-trioxane ring, which was isolated from the Chinese medicinal plant *Artemisia annua* L. (sweet wormwood) in 1972 by Youyou Tu. "For her discoveries concerning a novel therapy against Malaria", Youyou Tu was awarded the 2015 Nobel Prize in Physiology or Medicine. Artemisinin and its semisynthetic derivatives artesunate and dihydroartemisinin not only antimalarial activity exert but also display inhibitory activity toward other diseases, including viral infections and cancer in vitro and in vivo.

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### Guest Editors

Prof. Dr. Svetlana B. Tsogoeva  
Prof. Dr. Michael Gütschow  
Prof. Dr. Alexander O. Terent'ev

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### Deadline for manuscript submissions

closed (30 April 2022)



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We hope to handle your contribution to *Pharmaceuticals* soon.

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### Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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