Special Issue

Macromolecules of Natural and Synthetic Origin for Progress Drug Delivery in Photodynamic Therapy

Message from the Guest Editor

The curative method photodynamic therapy (PDT) as a local, with low general toxicity and non-invasive for humans is currently in clinics. The drug delivery limitations of photoactive compounds often induce side effects which can be limited with novel innovative delivery systems. These can be structures from natural or synthetic origin, or with low toxicity, target-specific functionality, high uptake capacity to the targets and fast release after procedure. The chemistry of the novel substances as vehicles, mechanisms of uptakes, native bioorganic molecule role in accumulation and delivery, and other factors with a critical role in prompt delivery and release that are of concern for PDT response, are the welcome topics. All efforts made by scientists in synthesis, photochemistry, phytochemistry, biophysics and photobiology to report and publish their latest results, and the scientific community to let us know the up-to-date innovative achievements in the drug delivery systems or/ and molecules for PDT and related fields are of interest, with my cordial appreciation to all colleagues and friends who wish to submit research papers, communications and reviews to the Special Issue.

Guest Editor

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