

Special Issue

Photophysics and Photochemistry in Biological Molecules

Message from the Guest Editor

The field of photochemistry and photophysics is very broad and includes, for example, kinetic and mechanistic studies of various molecules. Among the many processes that fall under this research area, one such example is photodegradation processes, which can occur through direct or sensitized photolysis. The latter requires a substance called a sensitizer that initiates the reaction and generates reactive oxygen species with the molecule in question. These processes are very useful for degrading, for example, compounds called emerging contaminants, which are not completely removed in wastewater treatment plants. In this particular Special Issue, the focus is on the study of biomolecules, among which the most important are carbohydrates, lipids, proteins, and nucleic acids. Among the biomolecules mentioned, it is worth highlighting the relevance of biological remediation processes using enzymes, which are an effective, sustainable, and environmentally friendly alternative for the removal of contaminants.

Guest Editor

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