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# Structure and Properties of Organic Dyes in Solid State

Guest Editor:

#### Message from the Guest Editor

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Deadline for manuscript submissions: closed (30 June 2020) According to the literature, organic dyes and pigments show color because they (i) have at least one chromophore, (ii) possess a conjugated system with resonance of electrons, and (iii) absorb radiation in the visible spectrum; when these characteristics are lacking from the molecular structure, the color is lost.

Most of the physical and chemical properties of dyes, the physical aspects of their preparation, their photochemical or biological properties, and the relationship between color and chemical constitution cannot be fully understood if their crystal structure is not elucidated.

Recently, organic dyes have been discovered as promising semiconducting materials, thanks to the formation of interactions between dyes and appropriate different semiconducting substrates.

This Special Issue of Crystals is designed as a collection of papers covering the broad field of investigation of the structure and properties of organic dyes in the solid state that appear as such or crystallized or co-crystallized with any types of substrates.









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#### **Message from the Editor-in-Chief**

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