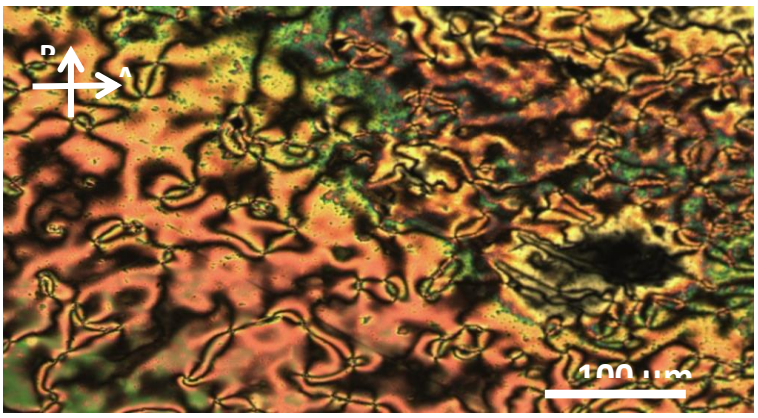
Introduction to the world of Liquid Crystals

CHEMISTRY & PHYSICS



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1. Introduction:

The field of liquid crystals has become the focus of extensive research over the last century in terms of the design, synthesis and evaluation of novel materials, and the development of high technology applications, particularly displays

Liquid crystals truly multidisciplinary and has attracted the attention of chemists, electronics engineers, biologists, mathematicians and physicists. Research and development of liquid crystals have experienced an explosive growth in the last almost 40 years. This has arisen primarily due to successful high technology applications of liquid crystals, especially in the electro optical displays area.

The study of liquid crystals covers a wide area of physical properties, chemical structures and technical applications. Liquid crystals have many applications and uses in our life such as laptops, TV screens, phones, clocks, electronic instruments, radios, and watches.

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