

Knowledge and Art from Crystallography Images

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Colour, shape and space create suggestive and vibrational images.

The material world contains geometric elements that seem to be unreal images.

Nature creates works of art and like a goddess give them the breath of life.

We would like to show an imaginary journey in which crystallography joins art and knowledge [1]. A lot of images of inorganic and macromolecular crystals, such as DNA [2] and proteins are compared to the M.C. Escher pictures, in order to show how the painter focalised his attention on the relationship between geometry and imagination. In fact, the first Escher picture reveals the presence of symmetry in the natural elements: air, earth and water. The sunflower and the cauliflower images would like to show the important relationship between growth and shape. These pictures journey stops on the Gustave Dore' painting "La bella addormentata".

Maybe, the lack of science and of art brings to a sleepened society...

[1] D'Aprile F., *EIDOS. Scienza tra Arte & Design*, Cd-Rom, CNR, 2005. [2] Temperini C., Messori L., Orioli P., Di Bugno C., Animati F., and Ughetto G., *Nucleic Acids Res.*, 2003, **31**, 1464.

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