

Innovative Solutions for a Greener Fluorine Chemistry

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Under the major background of current economic shifting, a lot of new applications of fluorine chemical products is springing up and becoming the new growth points of fluorine chemical

products. In particular, the new energy, new materials, energy saving and environmental protection, electronic information, high-end medicines, pesticides, smart textiles and other fields are needing more and more fluorine-containing fine chemicals. On the other hand, the use of fluorinated chemicals has raised numerous environmental and health concerns due to, e.g., their persistency in the biosphere. This has prompted many new research directions in the search for more sustainable fluorinated solutions.

In this lecture, new solutions for a greener fluorine chemistry are presented, with a particular focus on smart textiles applications.