



Laboratoire PPSM – UMR CNRS 8531

Photochimie et Photophysique Supramoléculaires et Macromoléculaires

## Professeur Janusz ZAKRZEWSKI

Faculty of Chemistry, University of Lodz, Pologne

### «New Pyrenyl Fluorophores: Synthesis and Photophysical Properties»

Synthesis of new pyrenyl fluorophores bearing various functional groups: alkynoyl, amide, thioamide, thioimidate and 4-hydroxythiazole will be presented. Most of the synthesized compounds show strong environment-sensitive fluorescence in solution and in the solid state. Furthermore, they possess functional groups which may be used for synthesis of fluorescent conjugates of molecules of biological interest. Electronic structures of selected fluorophores have been studied using DFT method.

**PPSM**

ENS Cachan – 61 avenue du Président Wilson  
94235 Cachan Cedex – France

Tél : +33 1 47 40 53 38 – Fax : +33 1 47 40 24 54

e-mail : [ahusson@ppsm.ens-cachan.fr](mailto:ahusson@ppsm.ens-cachan.fr)

site web : <http://www.ppsm.ens-cachan.fr>

