Kemijski inštitut
Ljubljana
Slovenija

National
Institute of Chemistry
Slovenia

http://www.ki.si

INVITATION TO THE LECTURE

On the topic:

HIGHLY FLUORINATED AND HYBRID AMPHIPHILIC COMPOUNDS WITH SPECIFIC PROPERTIES : SYNTHESIS AND CARACTERISATION

Prof. Dr. Christine Gerardin-Charbonnier

UMR UHP-CNRS 7565. Laboratoire de Chimie Physique Organique et Colloïdale - Equipe "Matériaux tensioactifs, polymères et colloïdaux"

Thursday 21. July 2005 at 14:00

Lecture Hall at the National Institute of Chemistry
Hajdrihova 19, Ljubljana

Fluorinated surfactants have been found to exhibit peculiar abilities such as thermal and chemical stability, high surface activity and low critical micelle concentration. In this field, our quest for the synthesis of amphiphilic highly fluorinated molecules leads us to structures which present specific properties such as antioxydant, complexant of bivalent cations or potential biological activities. Moreover, hybrid surfactants, which have a fluorocarbon chain and a hydrocarbon chain in the same molecule, have gathered the attention of researchers. This type of surfactant is expected to have an interesting behaviour as a result of both hydrocarbon and fluorocarbon alkyl group in the molecule as hydrophobic groups. We report here the synthesis and the physicochemical properties of different surfactants.

More information: Prof. Dr. Marko Petrič; marko.petric@bf.uni-lj.si

Kindly invited!