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Yves CHEVALIER is researcher at the CNRS since 1985. After studying at the “École Supérieure de Physique et Chimie Industrielles” (ESPCI, Paris) completed in 1979, he did his PhD on surfactants at the Physical Chemistry Department of the Centre d'Études Nucléaires of Saclay under the supervision of Claude Chachaty (1981-1985). He entered the CNRS at the Laboratoire des Matériaux Organiques (LMO, LP 5430) in 1985, and joined the Laboratoire d'Automatique et de Génie des Procédés (LAGEP, UMR 5007 CNRS - university Lyon 1) in 2004 where he is currently Research Director.

Specialist in Chemistry and Physical Chemistry, he successively worked in various domains, synthesis and physicochemical properties of zwitterionic surfactants, latex films, adsorbed polymers, surface chemistry for the manufacture of chemical sensors and the formulation of additives to hydraulic binders and to fuels and lubricants.

He is currently working in the field of formulation and manufacturing processes of innovative dosage forms and cosmetic products. This activity in chemistry and physical chemistry of interfaces applied to life sciences takes place in close collaboration with pharmacists, physicians and specialists of cosmetic formulation inside the LAGEP and through various external collaborations. He is author of 160 publications, 9 patents and 17 book chapters.

Key words of the research activity are:

Colloidal suspensions

Surfactants

Formulation

Nanoparticles

Adsorbed polymers

Encapsulation

Emulsions

Surface chemistry

Targeting

Yves Chevalier is strongly involved in teaching of formulation and physical chemistry to students of the university and engineer schools, and also in continuous education.

