



Corine GERARDIN

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Corine Gérardin is currently a CNRS Director of Research at the Institute Charles Gerhardt in Montpellier, France. In 1988 she received an engineer degree from the « Ecole Nationale Supérieure de Chimie de Paris », and in 1991 she received her PhD degree from the University Pierre et Marie Curie, Paris. Then she worked as a post-doctoral fellow at Princeton University (NJ, USA) with Pr. A. Navrotsky and Pr. J. Benziger. In 1994 she was appointed at CNRS and spent two years in Strasbourg University, France. From 1996 to 2000, she had a visiting researcher position in the United States, in Princeton University and in the mixed CNRS-Rhodia Laboratory in Cranbury (NJ, USA). In 1997 she received a Bronze Medal from CNRS for her work on the *in situ* hydrothermal NMR investigation of the formation of microporous materials. In 2001, she moved to the Institute Charles Gerhardt in Montpellier. She has published more than 90 papers in international peer-reviewed journals and filed 10 patents. Her main interest is the controlled synthesis of hybrid nanomaterials mediated by the use of polymers. She developed an original synthesis route of polymer-stabilized colloidal particles of metal hydroxides, oxides, phosphates and sulfides by using double-hydrophilic block copolymers. Her present interests mainly focus on the preparation and the control of the properties of functional mesoporous silica and hierarchically porous aluminosilicates, such as mesoporous zeolites, for biomedical and catalytical applications. Her research group also works on the self-assembly processes of stimuli-responsive hydrophilic polymers and of hybrid polymer-inorganic systems, especially polyion complex micelles. Her group uses these original micelles for the formation of a new family of mesoporous materials whose polymer porogens can be recovered in water and recycled, and for directly bringing functionalities in the porous structure.