

Didier Villemin obtained his PhD and his doctorate Es Sciences (1978) from the University P. and M. Curie (UPMC) of Paris. After a two-year postdoctoral stay with Sir D.H.R. Barton at ISCN (Gif sur Yvette), Dr. Villemin joined the Chemistry School of Engineering of Paris (ENSCP) as Associate Professor. He moved as Full Professor in 1985 to the School of Engineering of Caen (ISMRA, then ENSICAEN). Dr. D. Villemin and his coworkers has authored over more 370 papers in chemistry. His research interests are focusing on the development of new methodologies in green organic synthesis based on catalysis and applications of chemoinformatics. He is known for his pioneer work in green chemistry in particular, for alkenes and alkynes metathesis (1972–1982), solventless reactions (1983) and microwave activation (1989). More recently, he had developed synthesis of phosphonates and their applications, for immobilization of catalysts, as anticorrosion agents, as metal extractants and for precursor of MOF.

Key-words : catalysis, green chemistry, cheminformatics

Key Publications :

*Experimental proof of the mechanism of Y. Chauvin for ROMP: *J.Organomet. Chem.*, **1978**, 146, 259-265.

*First synthesis of natural products by Ring Closing Metathesis: *Tetrahedron Lett.*, **1980**, 21, 1715-1718.

*First reactions without solvent under microwave activation: *J. Chem. Soc. Chem. Commun.*, **1989**, 386-387; doi: 10.1039 / C39890000386.

*Organometallic under microwave, CH activation: *J. Organometal. Chem.*, **1994**, 479, 153-157.

*Chiral ionic liquid in capillary electrophoresis: *J. Chrom. A*, **2007**, 1155, 134-141; doi: 10.1002 / ejoc.200600556.

*Organic synthesis under flow: *Chem. Ind.(London)*, **1985**, 166; *Eur. J. Org. Chem.*, **2010**, 333-337; doi: 10.1002 / ejoc.20091032.

* Enzymes supported on magnetic nanoparticles: *Sensors Actuators B*, **2014**, 192, 269- 274; doi: 10.1016 / j.snb.2013.09.096; *Phosphorous, Sulfur and Silicone* **2015**, 190, 879-890; doi: 10.1080 / 10426507. 2014.981633.

Cheminformatics:

*Neural networks in QSPR: *J. Chem. Soc. Faraday Trans.*, **1994**, 90, 97-102; doi: 10.1039 / FT9949000097.

*Graph kernels and stereochemistry: *Pattern Recogn. Let.*, **2017**, 87, 227-230; doi: 10.1016 / j.patrec.2016.06.025.