

DR Valérie HEROGUEZ

Current Position: Senior Scientist (Directeur de recherche CNRS) at the Laboratory of Organic Polymer Chemistry

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Education and Experience:

- 09/2005-today Senior Scientist at the Laboratory of Organic Polymer Chemistry, UMR 5629 CNRS-ENSCP-Université Bordeaux 1, 16 av Pey Berland, 33607 Pessac
- 09/89-09/2005 Associate Scientist (Chargée de recherche au CNRS) at the Laboratory of Organic Polymer Chemistry
- 09/86-07/89 Ph.D. in Polymer Chemistry, University of Bordeaux 1, FRANCE.
- 09/83-09/86 Engineer of the National Graduate School of Chemistry and Physics of Bordeaux, FRANCE.

Expertize field:

- *Main field:* Macromolecular engineering and polymerization in dispersed media (macro-, miniemulsions, dispersion, suspension).
- *Current research interest:*
 - 1/ Synthesis of hybrid particles: by Polymerization of Pickering Emulsion
 - 2/ Synthesis of multifunctional nanoparticles: by radical and metathesis polymerization in dispersed media.
 - 3/ Synthesis of bioactive biomaterials for medicine and aeronautic: pH and thermosensitive.
 - 4/ Synthesis of drug delivery device for medicine: pH and thermosensitive.
 - 5/ Synthesis of multicompartmentalized particles by polymerization of double emulsion (W/O/W; O/W/O).

Membership:

- French Polymer Society (GFP), French Chemical Society (SFC), CNU (33).

Publications:

- *Author of 118 publications and 12 patents.*
- *More significant publications:*
 1. "Dispersion ROMP of latex particles using PEO based stabilizers", *A Chemtob, Y. Gnanou et V. Héroguez, Macromolecules, 35, 9262 (2002)*
 2. "Latex particles by miniemulsion Ring-Opening Metathesis Polymerization". *D. Quemener, Y. Gnanou et V. Héroguez, Macromolecules, 38, 7977 (2005)*
 3. "ROMP in dispersed media"» in « *Handbook of Metathesis* », Volume 3, Chapitre 2, 25-44 Edition, 2015, WILEY-VCH, ISBN 978352733, V. Héroguez, A.Chemtob, D. Quemener
 4. "Convenient Synthesis of Hybrid Polymer materials by AGET-ATRP Polymerization of Pickering Emulsion stabilized by Cellulose Nanocrystals grafted with reactive moieties", *A. Werner, G. Sébe, V. Héroguez, Biomacromolecules, 17(4), 1339-1346 (2019)*
 5. "Encapsulation of lipophilic fragrance by polymerization of the intermediate aqueous phase of an oil-in-water-in-oil (O/W/O) double emulsion" *M. Stasse, T. Ribaut, V. Schmitt, V. Héroguez, Polymer Chemistry, 10, 4154 - 4162, (2019), DOI: 10.1039/C9PY00528E*