

Dr Catherine BRANGER

Associate Professor (Docent)

MAPIEM Laboratory (Polymer MAterials – Interfaces – Marine Environment)

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Qualifications

June 1993	Diploma of Engineer from ESPCI (Ecole Supérieure de Physique et de Chimie Industrielles de la Ville de Paris) – Option Chemistry
June 1993	Master degree of Inorganic Chemistry, University of Paris VI
May 1996	PhD in Inorganic Chemistry, University of Paris VI
December 2013	HDR in Polymer Chemistry (accreditation diploma to supervise research), University of Toulon

Career development

1993-96:	PhD thesis in the Laboratory of Chemistry and Electrochemistry of Molecular Materials (CNRS URA 429, ESPCI, Paris) « Elaboration of new boron and stannic derivatives for non-linear optics »
1996-97:	Assistant Professor in the Laboratory of Supramolecular and Macromolecular Photophysics and Photochemistry (CNRS URA 1906, ENS Cachan)
1998-....:	Associate Professor in the University of Toulon (MAPIEM Laboratory, SeaTech Engineering School)

Other activities - Selected

2017-...:	Head of the team “Ion and Molecularly Imprinted Polymers” of the MAPIEM Laboratory (http://mapiem.univ-tln.fr/Ion-and-Molecularly-Imprinted-Polymers-IMIP.html)
2018-....:	Editor of “Reactive and Functional Polymers” (Elsevier)
2018-....:	Elected Member of the CoRe (Research Council) and the CaC (Academic Council) of the University of Toulon
2019-....:	Head of the Mediterranean Section of GFP (French Group of Polymers)

Research interests

- Synthesis of new functional monomers
- Synthesis and characterization of porous polymer resins
- Imprinted polymers: MIPs (molecularly imprinted polymers) and IIPs (Ion Imprinted Polymers)
- Applications in the environmental field = design of sensors for environmental diagnostics
- Applications to the extraction of specific ionic pollutants

PhD & post-doctoral supervisions / Jury member for PhD defences

- Co-supervision of 5 defended PhD works
- Co-direction of 2 defended PhD and 3 undergoing PhD works (including 1 to be defended in 2020 and 1 in co-direction with a Finnish University)
- Supervision of 2 post-doctoral fellows and 14 MSc
- PhD examination board member on 14 occasions (including one in Sweden and 5 as referee)

Some academic performance indicators

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SCOPUS ID: 35944287600

49 refereed articles in scientific international journals (**h-index = 19, Scopus**)

1 international patent on Electrochemical Molecularly Imprinted Polymers (PCT/IB2013/061196. 20/12/2013)

7 invited conferences (7 international/1 national) & **4 invited seminars** (2 international/2 national)

36 oral communications and 20 poster presentations **in international meetings**

24 oral communications and 11 poster presentations **in national meetings**