

Dr. Catherine LEFAY

Maitre de Conférences, Aix-Marseille Université

Date de naissance : 16 mars 1978

Grade : Maître de Conférences/Enseignant chercheur (classe normale, HDR)

Affectation : Institut de Chimie Radicalaire, UMR 7273, Equipe CROPS, Aix-Marseille Université (Marseille)

Section CNU : 33

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TITRES ET DIPLOMES

2020. Habilitation à diriger des recherches (HDR) (Aix-Marseille Université, « *Elaboration of complex polymeric materials with antibacterial and/or (bio)degradable properties* »

2006. Doctorat en chimie et physico-chimie des polymères. (Université Pierre et Marie Curie, Paris VI, France)

2002. DEA en chimie et physico-chimie des polymères (Université Pierre et Marie Curie, Paris VI, France)

2002. Diplôme d'ingénieur ENSIC (Ecole Nationale Supérieure des Industries Chimiques, Nancy, France)

PARCOURS PROFESSIONNEL

MAITRE DE CONFERENCES (Marseille, depuis septembre 2007)

Institut de Chimie Radicalaire, UMR 7273 (anciennement UMR 6264, Laboratoire Chimie Provence jusqu'au 1^{er} janvier 2012), Aix-Marseille Université (Equipe CROPS), directeur : Dr D. Gigmes

POSITION POST-DOCTORALE (Brisbane, mars - septembre 2007)

Post-doctorat sous la direction du Pr. R. G. Gilbert et Pr. M. Gidley, Centre for Nutrition and Food Science, University of Queensland (UQ), Brisbane, Australie : « *characterization of starch and arabinoxylans* »

POSITION POST-DOCTORALE (Sydney, mars 2006 - mars 2007)

Post-doctorat sous la direction du Pr. C. Barner-Kowollik, Centre for Advanced Macromolecular Design (CAMD), University of New South Wales, Sydney, Australie : “synthesis by RAFT polymerization and ROP of partially degradable copolymers for hernia repair application”

DOCTORAT EN CHIMIE ET PHYSICO-CHIMIE DES POLYMERES (Paris, février 2003 – février 2006)

Travaux de thèse effectués en collaboration avec la société ARKEMA sous la direction du Pr. B. Charleux, Université Pierre et Marie Curie (Paris VI), UMR 7610, Laboratoire de Chimie des Polymères : « copolymérisation statistique du styrène et de l'acide acrylique contrôlée par le nitroxyde SG1. Application comme stabilisant en milieu aqueux dispersé » (22 février 2006)

THEMATIQUES DE RECHERCHE

Synthèse de **copolymères antibactériens et de matériaux organiques antibactériens**

Synthèse **d'architectures macromoléculaires complexes** (copolymères à blocs, greffés, à gradient de composition ...) par polymérisation radicalaire contrôlée par les nitroxydes (NMP)

Synthèse de **copolymères dégradables** par polymérisation par ouverture de cycles (ROP) et par polymérisation radicalaire par ouverture de cycles (rROP)

Modification de polysaccharides (dérivés de cellulose et chitosan) pour différentes applications (tensioactif, compatibilisant de mélange ou applications médicales)

Caractérisation des (co)polymères en particulier par chromatographie d'exclusion stériques (SEC) et électrophorèse capillaire (CE)

PRODUCTION SCIENTIFIQUE

36 publications dans des journaux à comité de lecture

7 brevets

2 chapitres de livre

19 communications orales

Liste exhaustive et classée des publications

Articles dans des revues internationales à comité de lecture

(nom du candidat en gras et nom des étudiants encadrés par le candidat souligné en noir)

36. Casanova, M. ; Olleik, H. ; Hdiouech, S. ; Roblin, C.; Cavalier, J.F. ; Point, V. ; Jeannot, K. ; Caron, B. ; Perrier, J. ; Charriau, S.; Lafond, M ; Guillaneuf, Y. ; Canaan, S. ; **Lefay, C.** ; Maresca, M. Strengths and limitations of Random and Diblock Methacrylate-based amphiphilic cationic polymers against major bacterial pathogens associated with Cystic Fibrosis. *Antibiotics* **2023**, *12*, 120. **IF = 5,222**
35. Lages, M. ; Gil, N. ; Galanopoulo, P. ; Mougin, J. ; **Lefay, C.** ; Guillaneuf, Y. ; Lansalot, M. ; D'Agosto, F. ; Nicolas, J Degradable Vinyl Copolymer Nanoparticles/Latexes by Aqueous Nitroxide-Mediated Polymerization-Induced Self-Assembly. *Macromolecules* **2022**, *55*, 9790-9801. **IF = 6,057**
34. Gil, N.; Caron, B.; Siri, D.; Roche, J.; Hadiouch, S.; Khedaioui, D.; Ranque, S.; Cassagne, C.; Montarnal, D.; Gigmes, D.; **Lefay, C.**; Guillaneuf, Y. Degradable Polystyrene via the Cleavable Comonomer Approach. *Macromolecules* **2022**, *55*, 15, 6680-6694.
33. Gil, N.; Thomas, C.; Mhanna, R.; Mauriello, J.; Maury, R.; Leuschel, B.; Malval, J.-P.; Clement, J.-L.; Gigmes, D.; **Lefay, C.**; Soppera, O.; Guillaneuf, Y. Thionolactone as a Resin Additive to Prepare (Bio)degradable 3D Objects via VAT Photopolymerization. *Angew. Chem. Int. Ed. Engl.* **2022**, e202117700. **IF = 15,336**
32. Galanopoulo, P.; Gil, N.; Gigmes, D.; **Lefay, C.**; Guillaneuf, Y.; Lages, M.; Nicolas, J.; Lansalot, M.; D'Agosto, F. One-Step Synthesis of Degradable Vinylic Polymer-Based Latexes via Aqueous Radical Emulsion Polymerization. *Angew. Chem. Int. Ed. Engl.* **2022**, *61* (15), e202117498. **IF = 15,336**
31. Hadiouch, S.; Maresca, M.; Gigmes, D.; Machado, G.; Maurel-Pantel, A.; Frik, S.; Saunier, J.; Deniset-Besseau, A.; Yagoubi, N.; Michalek, L.; Barner-Kowollik, C.; Guillaneuf, Y.; **Lefay, C.** A versatile and straightforward process to turn plastics into antibacterial materials *Polym. Chem.* **2021**, *13* (1), 69. **IF = 5,582**
30. Plummer, C.M.; Gil, N. ; Dufils, P.E. ; Wilson, D.J.; **Lefay, C.**; Gigmes, D.; Guillaneuf, Y. Mechanistic Investigation of epsilon-Thiono-Caprolactone Radical Polymerization: An Interesting Tool to Insert Weak Bonds into Poly(vinyl esters) *ACS Appl. Polym. Mater.* **2021**, *3*(6), 3264-3271. **IF = 4,089**
29. Tardy, A.; Gil, N. ; Plummer, C.M. ; Zhu, C. ; Harrisson, S. ; Siri, D. ; Nicolas, J. ; Gigmes, D. ; Guillaneuf, Y. ; **Lefay, C.** DFT-calculation-assisted prediction of the copolymerization between cyclic ketene acetals and traditional vinyl monomers *Polym. Chem.* **2020**, *11*(45), 7159-7169. **IF = 5,582**

28. Tardy, A.; Gil, N.; Plummer, C.M.; Siri, D.; Gignes, D.; Lefay, C.; Guillaneuf, Y. Polyesters by a Radical Pathway: Rationalization of the Cyclic Ketene Acetal Efficiency *Angew. Chem.-Int. Edit.* **2020**, *59* (34), 14517-14526. **IF = 15,336**
27. Maniego, A. R.; Sutton, A. T.; Guillaneuf, Y.; Lefay, C.; Destarac, M.; Fellows, C.M.; Castignolles, P.; Gaborieau, M. Degree of branching in poly(acrylic acid) prepared by controlled and conventional radical polymerization *Polym. Chem.* **2019**, *10*(19), 2469-2476. **IF = 5,582**
26. Tran, J.; Pesenti, T.; Cressonnier, J.; Lefay, C.; Gignes, D.; Guillaneuf, Y. Nicolas, J. Degradable Copolymer Nanoparticles from Radical Ring-Opening Copolymerization between Cyclic Ketene Acetals and Vinyl Ethers *Biomacromolecules* **2019**, *20*(1), 305-317. **IF = 6,988**
25. Gignes, D.; Van Steenberge, P. H. M.; Siri, D.; D'hooge, D. R.; Guillaneuf, Y.; Lefay, C., Simulation of the Degradation of Cyclic Ketene Acetal and Vinyl-Based Copolymers Synthesized via a Radical Process: Influence of the Reactivity Ratios on the Degradability Properties. *Macromol. Rapid Commun.* **2018**, *39* (19), 1800193. **IF = 5,734**
24. Benkhaled, B. T.; Hadiouch, S.; Olleik, H.; Perrier, J.; Ysacco, C.; Guillaneuf, Y.; Gignes, D.; Maresca, M.; Lefay, C., Elaboration of antimicrobial polymeric materials by dispersion of well-defined amphiphilic methacrylic SG1-based copolymers. *Polym. Chem.* **2018**, *9* (22), 3127-3141. **IF = 5,582**
23. Tardy, A.; Nicolas, J.; Gignes, D.; Lefay, C.; Guillaneuf, Y., Radical Ring-Opening Polymerization: Scope, Limitations, and Application to (Bio)Degradable Materials. *Chem. Rev.* **2017**, *117* (3), 1319-1406. **IF = 60,622**
22. Tardy, A.; Honore, J. C.; Tran, J.; Siri, D.; Delplace, V.; Bataille, I.; Letourneur, D.; Perrier, J.; Nicoletti, C.; Maresca, M.; Lefay, C.; Gignes, D.; Nicolas, J.; Guillaneuf, Y., Radical Copolymerization of Vinyl Ethers and Cyclic Ketene Acetals as a Versatile Platform to Design Functional Polyesters. *Angew. Chem.-Int. Edit.* **2017**, *56* (52), 16515-16520. **IF = 15,336**
21. Tardy, A.; Honore, J. C.; Siri, D.; Siri, D.; Gignes, D.; Lefay, C.; Guillaneuf, Y., A comprehensive kinetic study of the conventional free-radical polymerization of seven-membered cyclic ketene acetals. *Polym. Chem.* **2017**, *8* (34), 5139-5147. **IF = 5,582**
20. Zoller, A.; Kockler, K. B.; Rollet, M.; Lefay, C.; Gignes, D.; Barner-Kowollik, C.; Guillaneuf, Y., A complete kinetic study of a versatile functional monomer: acetoacetoxyethyl methacrylate (AAEMA). *Polym. Chem.* **2016**, *7* (35), 5518-5525. **IF = 5,582**
19. Taylor, D. L.; Thevarajah, J. J.; Narayan, D. K.; Murphy, P.; Mangala, M. M.; Lim, S.; Wuhler, R.; Lefay, C.; O'Connor, M. D.; Gaborieau, M.; Castignolles, P., Real-time monitoring of peptide grafting onto chitosan films using capillary electrophoresis. *Anal. Bioanal. Chem.* **2015**, *407* (9), 2543-2555. **IF = 4,157**

18. Moreira, G.; Fedeli, E.; Ziarelli, F.; Capitani, D.; Mannina, L.; Charles, L.; Viel, S.; Gimes, D.; **Lefay, C.**, Synthesis of polystyrene-grafted cellulose acetate copolymers via nitroxide-mediated polymerization. *Polym. Chem.* **2015**, *6* (29), 5244-5253. **IF = 5,582**
17. Chendo, C.; Moreira, G.; Tintaru, A.; Posocco, P.; Laurini, E.; **Lefay, C.**; Gimes, D.; Viel, S.; Pricl, S.; Charles, L., Anomerization of Acrylated Glucose During Traveling Wave Ion Mobility Spectrometry. *J. Am. Soc. Mass Spectrom.* **2015**, *26* (9), 1483-1493. **IF = 3,109**
16. Tardy, A.; Delplace, V.; Siri, D.; **Lefay, C.**; Harrisson, S.; Pereira, B. D. A.; Charles, L.; Gimes, D.; Nicolas, J.; Guillaneuf, Y., Scope and limitations of the nitroxide-mediated radical ring-opening polymerization of cyclic ketene acetals. *Polym. Chem.* **2013**, *4* (17), 4776-4787. **IF = 5,582**
15. Nicolas, J.; Guillaneuf, Y.; **Lefay, C.**; Bertin, D.; Gimes, D.; Charleux, B., Nitroxide-mediated polymerization. *Prog. Polym. Sci.* **2013**, *38* (1), 63-235. **IF = 29,19**
14. Moreira, G.; Charles, L.; Major, M.; Vacandio, F.; Guillaneuf, Y.; **Lefay, C.**; Gimes, D., Stability of SG1 nitroxide towards unprotected sugar and lithium salts: a preamble to cellulose modification by nitroxide-mediated graft polymerization. *Beilstein J. Org. Chem.* **2013**, *9*, 1589-1600. **IF = 2,883**
13. Maniego, A. R.; Ang, D.; Guillaneuf, Y.; **Lefay, C.**; Gimes, D.; Aldrich-Wright, J. R.; Gaborieau, M.; Castignolles, P., Separation of poly(acrylic acid) salts according to topology using capillary electrophoresis in the critical conditions. *Anal. Bioanal. Chem.* **2013**, *405* (28), 9009-9020. **IF = 4,157**
12. **Lefay, C.**; Guillaneuf, Y.; Moreira, G.; Thevarajah, J. J.; Castignolles, P.; Ziarelli, F.; Bloch, E.; Major, M.; Charles, L.; Gaborieau, M.; Bertin, D.; Gimes, D., Heterogeneous modification of chitosan via nitroxide-mediated polymerization. *Polym. Chem.* **2013**, *4* (2), 322-328. **IF = 5,582**
11. **Lefay, C.**; Gle, D.; Rollet, M.; Mazzolini, J.; Bertin, D.; Viel, S.; Schmid, C.; Boisson, C.; D'Agosto, F.; Gimes, D.; Barner-Kowollik, C., Block Copolymers via Macromercaptan Initiated Ring Opening Polymerization. *J. Polym. Sci. Pol. Chem.* **2011**, *49* (3), 803-813. **IF = 2,702**
10. Gimes, D.; Dufils, P. E.; Gle, D.; Bertin, D.; **Lefay, C.**; Guillaneuf, Y., Intermolecular radical 1,2-addition of the BlocBuilder MA alkoxyamine onto activated olefins: a versatile tool for the synthesis of complex macromolecular architecture. *Polym. Chem.* **2011**, *2* (8), 1624-1631. **IF = 5,582**
9. Gimes, D.; Vinas, J.; Chagneux, N.; **Lefay, C.**; Phan, T. N. T.; Trimaille, T.; Dufils, P. E.; Guillaneuf, Y.; Carrot, G.; Boue, F.; Bertin, D., SG1 and BLOCBUILDER (R) technology: a versatile toolbox for the elaboration of complex macromolecular architectures. In *Controlled/Living Radical Polymerization: Progress in Raft, Dt, Nmp & Omp*, Matyjaszewski, K., Ed. Amer Chemical Soc: Washington, **2009**; Vol. 1024, pp 245-262. **IF = 0,566**

8. Gimes, D.; Bertin, D.; **Lefay, C.**; Guillaneuf, Y., Kinetic Modeling of Nitroxide-Mediated Polymerization: Conditions for Living and Controlled Polymerization. *Macromol. Theory Simul.* **2009**, *18* (7-8), 402-419. **IF = 1,53**
7. Le Hellaye, M.; **Lefay, C.**; Davis, T. P.; Stenzel, M. H.; Barner-Kowollik, C., Simultaneous reversible addition fragmentation chain transfer and ring-opening polymerization. *J. Polym. Sci. Pol. Chem.* **2008**, *46* (9), 3058-3067. **IF = 2,702**
6. **Lefay, C.**; Save, M.; Charleux, B.; Magnet, S., Miniemulsion polymerization stabilized by a well-defined, amphiphilic gradient poly(styrene-co-acrylic acid) copolymer. *Aust. J. Chem.* **2006**, *59* (8), 544-548. **IF = 1,321**
5. **Lefay, C.**; Charleux, B.; Save, M.; Chassenieux, C.; Guerret, O.; Magnet, S., Amphiphilic gradient poly(styrene-co-acrylic acid) copolymer prepared via nitroxide-mediated solution polymerization. Synthesis, characterization in aqueous solution and evaluation as emulsion polymerization stabilizer. *Polymer* **2006**, *47* (6), 1935-1945. **IF = 4,43**
4. Delaittre, G.; Nicolas, J.; **Lefay, C.**; Save, M.; Charleux, B., Aqueous suspension of amphiphilic diblock copolymer nanoparticles prepared in situ from a water-soluble poly(sodium acrylate) alkoxyamine macroinitiator. *Soft Matter* **2006**, *2* (3), 223-231. **IF = 3,679**
3. Delaittre, G.; Nicolas, J.; **Lefay, C.**; Save, M.; Charleux, B., Surfactant-free synthesis of amphiphilic diblock copolymer nanoparticles via nitroxide-mediated emulsion polymerization. *Chem. Commun.* **2005**, (5), 614-616. **IF = 6,222**
2. **Lefay, C.**; Belleneq, J.; Charleux, B.; Guerret, O.; Magnet, S., End-group characterization of poly(acrylic acid) prepared by nitroxide-mediated controlled free-radical polymerization. *Macromol. Rapid Commun.* **2004**, *25* (13), 1215-1220. **IF = 5,734**
1. Couvreur, L.; **Lefay, C.**; Belleneq, J.; Charleux, B.; Guerret, O.; Magnet, S., First nitroxide-mediated controlled free-radical polymerization of acrylic acid. *Macromolecules* **2003**, *36* (22), 8260-8267. **IF = 5,985**

Actes publiés de conférences internationales, congrès et colloques

7. **Lefay, C.**, Solid antibacterial polymeric materials elaboration by dispersion of amphiphilic methacrylic SG1-based copolymers. Abstracts of Papers of the American Chemical Society **2019**, 257.
6. **Lefay, C.**, Simulation of the degradation of cyclic ketene acetal and vinyl-based copolymers synthesized via a radical process. *Abstracts of Papers of the American Chemical Society* **2019**, 257.
5. **Lefay, C.**, Radical ring-opening copolymerization of cyclic ketene acetals with vinyl monomers. *Abstracts of Papers of the American Chemical Society* **2019**, 257.

4. Tardy, A.; Maresca, M.; Letourneur, D.; Gigmes, D.; **Lefay, C.**; Nicolas, J.; Guillaneuf, Y., Radical (Co)polymerization of cyclic ketene acetals. *Abstracts of Papers of the American Chemical Society* **2017**, 254.
3. Tardy, A.; Gigmes, D.; **Lefay, C.**; Nicolas, J.; Guillaneuf, Y., Nitroxide-mediated radical ring opening polymerization of cyclic ketene acetals. *Abstracts of Papers of the American Chemical Society* **2017**, 254.
2. Save, M.; Manguian, M.; Delaittre, G.; Chassenieux, C.; **Lefay, C.**; Charleux, B., Precise control of structural parameters during the synthesis of amphiphilic copolymers by CRP: Influence on their stabilization properties for polymerization in aqueous dispersed media. *Abstracts of Papers of the American Chemical Society* **2005**, 230, U4164-U4164.
1. **Lefay, C.**; Charleux, B.; Save, M.; Guerret, O.; Magnet, S., Synthesis of well-defined amphiphilic poly(styrene-co-acrylic acid) copolymer via nitroxide-mediated polymerization: Evaluation as emulsion polymerization stabilizer. *Abstracts of Papers of the American Chemical Society* **2005**, 230, U4228-U4228.

Chapitres de livres

2. "Living/Controlled Radical Polymerization: Nitroxide-Mediated Polymerization" in *Macromolecular Engineering: From Precise Synthesis to Macroscopic Materials and Applications*, Second Edition. Matyjaszewski, K; Gnanou, Y.; Leibler, L. Editeurs, Wiley, ISBN: 978-3-527-34455-0, **2022**, **Lefay, C.**; Morris, J. C.; Guillaneuf, Y.; Gigmes, D.
1. "Controlled/living radical polymerization in aqueous miniemulsion". **Lefay, C.**; Nicolas, J. *From Miniemulsion Polymerization technology (2010)*, 173-210. Edited by Mittal, V.

Brevets

7. Soppera, O.; Guillaneuf, Y.; Thomas, C.; Gil, N.; **Lefay, C.** (Univ. Haute-Alsace, CNRS, Univ. Aix-Marseille) A light-activated resin composition and its use in 3d-printing EP 21306838 (Décembre **2021**)
6. Ortais, Y. ; Ribeiro, T. ; Oudoua, K. ; Ho, T. H. ; Gigmes, D. ; **Guillaneuf (Lefay), C.** ; Guillaneuf, Y. Procédé de préparation de microcapsules biodégradables et utilisation des microcapsules ainsi obtenues FR2011888 (Novembre **2020**)
5. Ortais, Y. ; Ribeiro, T. ; Oudoua, K. ; Ho, T. H. ; Gigmes, D. ; **Guillaneuf (Lefay), C.** ; Guillaneuf, Y. Procédé de préparation de microcapsules biodégradables et microcapsules ainsi obtenues FR2011829 (Novembre **2020**)
4. Ortais, Y. ; Ribeiro, T. ; Oudoua, K. ; Ho, T. H. ; Gigmes, D. ; **Guillaneuf (Lefay), C.** ; Guillaneuf, Y. Method for preparing biodegradable microcapsules and microcapsules thus obtained WO2020229744A1 / FR1905127A (Mai **2019**)
3. Gigmes, D.; Guillaneuf, Y.; **Guillaneuf (Lefay), C.**; Maresca, M.; Ysacco, C. Matériau solide organique antibactérien FR1756390 (2017) / WO2019/008176 A1 (**2018**)

2. Barner-Kowollik, C.; **Lefay, C.**; Le Hellaye, M.; Davis, T. P.; Stenzel, M. H. Preparation of graft copolymers by reversible addition fragmentation chain transfer (RAFT) and ring opening polymerization (ROP) WO2008089518A1/ EP1950232A1. (2008)

1. Magnet, S.; Guerret, O.; **Lefay, C.**; Charleux, B. Use of copolymers with a composition gradient as sole stabilizer in emulsion free-radical polymerization WO2006066971A1. (2006)

Liste exhaustive et classée des communications orales délivrées personnellement

19. ACS National Meeting 2022, Chicago (USA), 21 – 25 Aout 2022, “Degradable 3D objects via VAT photopolymerization”

18. ACS National Meeting 2022, Chicago (USA), 21 – 25 Aout 2022, “Versatile and straightforward process to turn plastics into antibacterial materials”

17. ACS National Meeting 2022, Chicago (USA), 21 – 25 Aout 2022, “Towards the biodegradability of microcapsules: A poly(β -amino ester) approach”

16. Bordeaux Polymer Conference (BPC 2022), Bordeaux (France), 13 – 16 Juin 2022, “A versatile and straightforward process to turn plastics into antibacterial materials”

15. Groupe Français d'étude et d'applications des Polymères 2021 (GFP 2021), Lyon (France), 15-19 Novembre 2021, « Use of amphiphilic cationic copolymers as antibacterial additives to organic materials »

14. 4^{ème} colloque national sur les copolymères amphiphiles (COPAMPHI 2021), Nancy, France, 16 – 18 juin 2021 “Utilisation de copolymères cationiques amphiphiles comme additifs antibactériens de matériaux organiques”

13. ACS National Meeting 2019 (Spring), Orlando (USA), 30 Mars - 4 Avril 2019, “Simulation of the degradation of cyclic ketene acetal and vinyl-based copolymers synthesized via a radical process”

12. ACS National Meeting 2019 (Spring), Orlando (USA), 30 Mars - 4 Avril 2019 “Solid antibacterial polymeric materials elaboration by dispersion of amphiphilic methacrylic SG1-based copolymers”

11. ACS National Meeting 2019 (Spring), Orlando (USA), 30 Mars - 4 Avril 2019, “Radical ring-opening copolymerization of cyclic ketene acetals with vinyl monomers”

10. Groupe Français d'étude et d'applications des Polymères 2018 (GFP 2018), Toulouse (France), 26-29 Novembre 2018, “Solid antibacterial polymeric materials elaboration by dispersion of amphiphilic methacrylic SG1-based copolymers”

9. Bordeaux Polymer Conference 2018 (BPC 2018), Bordeaux (France), 28 – 31 Mai **2018**, “Solid antibacterial polymeric materials elaboration by dispersion of amphiphilic methacrylic SG1-based copolymers”
8. Rencontres de Chimie Organique de Marseille (RCOM), Marseille (France), 24-25 Mai **2018**, “Antimicrobial amphiphilic methacrylic copolymers synthesized by nitroxide-mediated polymerization”
7. Groupe Français d’étude et d’applications des Polymères Méditerranée 2018 (GFP Med 2018), Montpellier (France), 15-16 Mars **2018** “Antimicrobial amphiphilic methacrylic copolymers synthesized by nitroxide-mediated polymerization”
6. European Polymer Federation (EPF), Lyon (France), 2-7 Juillet **2017** “Antimicrobial amphiphilic methacrylic copolymers synthesized by nitroxide-mediated polymerization”
5. European Polymer Federation (EPF), Lyon (France), 2-7 Juillet **2017** “radical (co)polymerization of cyclic ketene acetals”
4. Groupe Français d’étude et d’applications des Polymères (GFP), Paris (France), 21-24 Novembre **2017**, “Antimicrobial amphiphilic methacrylic copolymers synthesized by nitroxide-mediated polymerization”
3. European Polysaccharide Network of Excellence (EPNOE), Nice (France), 21-24 Octobre **2013**, “Modification of polysaccharides by nitroxide-mediated polymerization”
2. Advanced Polymers via Macromolecular Engineering (APME), Durham (UK), 19-22 Aout **2013**, “Modification of polysaccharides by nitroxide-mediated polymerization”
1. Australian Polymer Symposium (APS), Hobart (Tasmania), 12-15 Fevrier **2012**, “Block Copolymers via Macromercaptan Initiated Ring Opening Polymerization”

RESPONSABILITES

Membre suppléant nommée de la section 33 de la CNU (mandat 2019-2023).

Membre titulaire élue et assesseur de la section 33 de la CNU (mandat 2023-2027)

Membre élue du **bureau du département de chimie d’Aix-Marseille Université** (mandat de 4 ans 2021-2025).

Co-responsable depuis septembre 2023 du parcours Ingénierie des Matériaux et Nanomatériaux (IMN) du M2 NanoSciTech