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Animator Pole "Polymer Chemistry : Chemistry of Synthetic and Natural Polymers"

Topics & skills:

- Polysaccharides modifications,
- Silicone chemistry and formulation,
- Step growth polymerization and Thermosetting polymers.

Selected Papers:

- Leymarie L., Dupuy J., Chaumont P., Villegas E., Sintès N., Fleury E. **Straightforward preparation of polymers based on oligodimethylsiloxane and alkylamine** Journal of polymer science Part A: Polym. chem. 50, 4145–4154, 2012
- Lacroix C., Sultan E., Fleury E., Charlot A. **Functional Galactomannans Platform from Convenient Esterification in Imidazolium-Based Ionic Liquids** Polymer Chemistry 3, 538-546, 2012
- Sbiai A., Kaddami H., Sautereau H., Maazouz A., Fleury E. **Tempo-Mediated Oxidation of Lignocellulosic Fibers from Date Palm Leaves** Carbohydrate Polymers 86, 1445-1450, 2011
- Tizzotti M., Creuzet C., Labeau M.P., Hamaide T., Boisson F., Drockenmuller E., Charlot A., E. Fleury **Synthesis of Temperature Responsive Biohybrid Guar-Based Grafted Copolymers by Click Chemistry** Macromolecules 43, 6843-6852, 2010
- Robin J.J., Lucas P., Fleury E., Estur J. F., Lapinte V. **Peroxide grafted PDMS: hydrosilylation reaction study and thiol-ene chemistry as an alternative pathway** Macromolecular Chemistry and Physics. 210 (22), 1933-1941 2009
- Halila S., Manguian M., Fort S., Cottaz C., Hamaide T., Fleury E., Driguez H. **Syntheses by "click" chemistry of well-defined glyco-polyorganosiloxanes and their surfactant properties** Macromolecular Chemistry & Physics 209, 1282-1296, 2008
- Gousse C., Chanzy H., Escofier G., Soubeyrand L., E. Fleury **Stable suspensions of partially silylated cellulose whiskers dispersed in organic solvents**, Polymer 43, 2645, 2002