

Curriculum Vitae

Elodie BOURGEAT-LAMI

Born Juin 15, 1964

Research Director at CNRS

Laboratoire de Chimie, Catalyse, Polymères et Procédés (C2P2 - UMR 5265 ESCPE/CNRS/UCBL)

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Education

- 2001** **HABILITATION TO DIRECT RESEARCH**
- 1991** **PhD THESIS in Chemistry** - University of Montpellier II
- 1988** **MASTER Degree in Organic Chemistry** – University of Haute Alsace - Mulhouse
- 1988** **GRADUATE ENGINEER** in Chemistry (equivalent: Bachelor degree B. Sc.) Ecole Nationale Supérieure de Chimie de Mulhouse.

Professional experience

- Since 2004** **Research Director at CNRS**
Laboratoire de Chimie, Catalyse, Polymères et Procédés (C2P2, UMR 5265) - CPE Lyon
- 1997-2004** **Research Scientist at CNRS**
Laboratoire de Chimie et Procédés de Polymérisation (LCPP, UMR 140) - CPE Lyon
- 1996-1997** **Research Scientist at CNRS**
Institut Charles Sadron (ICS, UPR 22) - Strasbourg
- 1991-1996** **Research Scientist at CNRS**
Laboratoire des Matériaux Organique (LMO, UMR 5041) - Vernaison
- 1988-1991** **Ph.D THESIS in Chemistry.** University of Montpellier II. *Laboratory of Chimie Organique Physique et cinétique Chimique Appliquées. URA 418 du CNRS. Study of the physico-chemical and catalytic properties of zeolite Beta.* Under the supervision of Dr. François Fajula
- 1988** **MASTER Degree in Organic Chemistry**

Research Interest

My research interests are focused on the fundamental and practical aspects involved in the synthesis of organic/inorganic colloidal materials with special emphasis on radical polymerization in dispersed media (emulsion, dispersion and miniemulsion polymerizations), surface functionalization of mineral oxide particles and sol-gel chemistry. My research also includes activities on the synthesis of novel hybrid macromolecular architectures through living free radical polymerization as well as on the grafting of polymers to mineral surfaces using the grafting-to and grafting-from techniques.

Selected publications

Publications in peer reviewed journals (2009-2010)

- **Macromolecular Rapid Communication 31, 1874-1880 (2010)** E. Bourgeat-Lami, T. Rodrigues Guimaraes, A. M. Cenacchi Pereira, G. M. Alves, J. C. Moreira, J-L. Putaux, A. Martins Dos Santos
- **Advances in Polymer Science 233, 53-123 (2010)** E. Bourgeat-Lami, M. Lansalot
- **Langmuir 26, 3815-3820 (2010)** A. M. Konig, E. Bourgeat-Lami, V. Mellon, K. Von Der Ehe, A. F. Routh, D. Johannsmann
- **Langmuir 26, 6086-6090 (2010)** D. Nguyen, E. Duguet, E. Bourgeat-Lami, S. Ravaine
- **Chemistry of Materials 22, 2822-2828 (2010)** F. Guillemot, T. Gacoin, J-P. Boilot, E. Barthel, A. Brunet-Bruneau, E. Bourgeat-Lami
- **Polymer 51, 6-17 (2010)** J. Faucheu, C. Gauthier, L. Chazeau, J-Y. Cavaille, V. Mellon, E. Bourgeat-Lami
- **Polymer 51, 5051-5057 (2010)** H. Sardon, L. Irusta, M.J. Fernandez-Berridi, M. Lansalot, E. Bourgeat-Lami
- **Macromolecular Symposia 289, 129-134 (2010)** G. Farzi, T. McKenna, E. Bourgeat-Lami
- **Macromolecular Symposia 294, 1-10 (2010)** C. Plummer, R. Ruggerone, N. Negrete-Herrera, E. Bourgeat-Lami, J-A. Manson
- **J. Polym. Sci. Part A. Polym.Chem. 48, 2329-2339 (2010)** R. Chen, F. Chu, C. Gauthier, L. Chazeau, E. Bourgeat-Lami, M. Lansalot
- **J. Polym. Sci. Part A. Polym.Chem. 48, 784-793 (2010)** C. G. Gamys, E. Beyou, E. Bourgeat-Lami
- **J. Polym. Sci. Part A. Polym. Chem. 48, 593-603 (2010)** Z. Cao, G. Shan, N. Sheibat-Othman, J-L. Putaux, E. Bourgeat-Lami
- **Journal of Material Chemistry 20, 9392-9400 (2010)** D. Nguyen, S. Ravaine, E. Bourgeat-Lami, E. Duguet
- **L'Actualité chimique 340, 18-21, Avril 2010** A. Perro, D. NGuyen, E. Bourgeat-Lami, S. Ravaine, E. Duguet
- **L'Actualité chimique 340, 14-17, Avril 2010.** A. Perro, S. Reculosa, E. Bourgeat-Lami, S. Ravaine, E. Duguet
- **Engineering Fracture Mechanics 76, 2846-2855 (2009)** R. Ruggerone, C. Plummer, N. Negrete-Herrera, E. Bourgeat-Lami, J-A. Manson
- **Journal of Applied Polymer Science 114, 3875-3881 (2009)** G. Farzi, E. Bourgeat-Lami, T. McKenna
- **Macromolecular Symposia 281, 77-84 (2009)** U. El-Jaby, G. Farzi, E. Bourgeat-Lami, M. Cunningham, T. McKenna
- **Langmuir 25, 10121-10133 (2009)** N. Sheibat-Othman, E. Bourgeat-Lami
- **Journal of Materials Chemistry 19, 4225-4230 (2009)** A. Perro, D. NGuyen, S. Ravaine, E. Bourgeat-Lami, O. Lambert, J-C. Taveau, E. Duguet
- **Angewandte Chemie International Edition 48, 361-365 (2009)** A. Perro, E. Duguet, O. Lambert, J-C. Taveau, E. Bourgeat-Lami, S. Ravaine
- **Solid State Phenomena 151, 30-34 (2009)** R. Ruggerone, C. Plummer, N. Negrete-Herrera, E. Bourgeat-Lami, J-A. Manson
- **European Polymer Journal 45, 621-629 (2009)** R. Ruggerone, C. Plummer, N. Negrete-Herrera, E. Bourgeat-Lami, J-A. Manson

Book Chapters

- **Polymer/clay nanocomposite particles and soap-free latexes stabilized by clay platelets: state of the art and recent advance.** In Polymer Nanocomposites by Emulsion and Suspension (2010), V. Mittal (Ed.). The Royal Society of Chemistry, UK, Chap. 13. pp. 269- 310. E. Bourgeat-Lami, N. Sheibat-Othman, A. Martins Dos Santos
- **Organic/Inorganic Hybrid Nanoparticles.** In Hybrid materials (2007), G. Kickelbick (Ed.), Wiley VCH, Weinheim, Chap. 3. pp. 87- 149. E. Bourgeat-Lami
- **Polymer Encapsulation of Inorganic Particles.** In Functional Coatings by Polymer Microencapsulation (2006), Ghosh (Ed.), Wiley VCH, Weinheim, Chap. 4, pp.85-152 – E. Bourgeat-Lami, E. Duguet
- **Latex à caractère organique/inorganique.** Les latex Synthétiques – Elaboration et Applications (2006), C. Pichot et J.C. Daniel Eds, Elsevier, Paris, Chap. 38. pp. 1039-1094. E. Bourgeat-Lami

Invited conferences (2003-2010)

Matériaux 2010, 18-22 Octobre 2010, Nantes - FRANCE

High Polymer Research Group Conference – 26-30 April 2009, Pot Shrigley, Cheshire, UK

8th World Congress of Chemical Engineering - 23-27 August 2009, Montréal, CANADA

Second Asian Symposium on Advanced Materials, 11-14 October 2009, Shanghai - CHINE

Particles 2008 – 12-14 May 2008, Orlando, USA

Matériaux 2006, 13-17 Novembre 2006, Dijon, FRANCE

International Symposium on Radical Polymerization: Kinetics and Mechanism (SML06) – September 3-6 2006, Il Ciocco, ITALY

IUPAC Macro 2006 – 16-22 July 2006, Rio de Janeiro, BRESIL

Groupe Français des Zéolithes – 15-17 Mars 2006, La Rochelle, FRANCE

Particles 2005 – 13-16 August 2005, San Francisco, USA

European Materials Research Symposium (EMRS) – May 31- June 3, 2005, Strasbourg, FRANCE

Particles 2004 – 6-9 March 2004, Orlando, USA

Gordon Research Conference, June 29 - July 4, 2003, Tilton School, USA