

## Olivier BOYRON

### Ingénieur de Recherche au CNRS

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Catalyse, Polymérisation, Procédés et Matériaux (CP2M)  
UMR 5128 (CNRS/UCB Lyon 1/CPE Lyon)  
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CPE Lyon - 43, boulevard du 11 novembre 1918  
69616 Villeurbanne Cedex - France

## PERSONAL INFORMATION

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Date of birth: 23.05.1973  
Sex: Male  
Nationality: French  
ORCID identifier: 0000-0002-0386-5814  
ResearcherID identifier: J-6437-2015  
Scopus Author ID: 25651626900  
Personal web site: <https://www.cp2m.org/people/25-ingenieur-de-recherche-olivier-boyron.html>

## EDUCATION

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2021 PhD Thesis  
1997 DESS: one-year postgraduate degree of Analytical Sciences - University Lyon – France  
1996 Master's degree of Physical Chemistry - University Lyon – UCBL Lyon 1 - France  
1995 Bachelors degree of Physical Chemistry - University Lyon – UCBL Lyon 1 - France

## CURRENT AND PREVIOUS POSITIONS

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2006 Category A - Research engineer CNRS – 1st class (IR1)  
2001 Engineer CNRS - Service Central d'Analyse - USR-59 / CNRS - Lyon  
Molecular analysis - Size Exclusion Chromatography  
Elemental analysis - ICP-MS, ICP-AES, laser ablation ICP-MS  
1998-2001 Inorganic Analytical Chemistry Engineer – Group CARSO - Lyon  
In charge for the service "inorganic analyzes" in the field of environment (ICP-MS, ICP-AES)

## SUPERVISION OF STUDENTS AND CO-SUPERVISION

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*Present* Master Student: Marilou Bommer -PhD student : Sofiane Ferchichi and Noémie Auchere (co-supervisor)  
*Past* PhD students: 4 as co-supervisor; Master Students: 30; Bachelor students: 3;

## INDUSTRIAL COLLABORATIONS

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IFPEN, Mettler Toledo, Total, Eurotab, Nexans, PolymerChar, Ariane Groupe  
Member of the CP2M/Michelin Joint Laboratory CHEMISTLAB

## SCIENTIFIC DISSEMINATION

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TP in engineering school and University of Lyon  
Co-organization of  
12 workshops financed by equipment manufacturers  
2 seminars on size exclusion chromatography : MacroSEC 2019 and 2022  
Responsible for 3 education courses for industrials (CPE formation)  
size exclusion chromatography  
characterization of polymers  
thermal analysis for polymers

## JURIES, COMMITTEES

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- Expert for CNRS in regional promotion commissions (2017, 2018, 2022, 2023)
- President of the jury (4 times) and expert member (6 times) for recruitment (CNRS)
- Jury member for the internal IR promotion (2019, 2020 and 2022)
- RIFSEEP function groups
- Since 2021, CNRS National Committee in section 11 (elu C)
- Member of the HCERES committee: evaluation of ICR Marseille (2017), UMR8258 Paris (2018), LCPM Nancy (2022), C3M Paris (2023)
- Reviewer of scientific publications, about 7 per year, for international journals

## COMMUNICATIONS

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9 oral communications, 6 invited seminars  
19 poster communications in international conferences (ICPC, Incorep...)  
1 book chapter  
66 publications including 5 as corresponding author (h-index = 23)

### Main publications:

1. Baffie F, Boyron O, Lansalot M, Monteil V, D'Agosto F. Polyethylene and poly(ethylene-co-vinyl acetate) star polymers by iodine transfer polymerization. *Polym Chem.* 2023;14(38):4419-28.
2. Onida K, Fayad M, Norsic S, Boyron O, Duguet N. Chemical upcycling of poly(bisphenol A carbonate) to vinylene carbonates through organocatalysis. *Green Chem.* 2023;25(11):4282-91.
3. Vilcocq L, Chaussard N, Hernandez Manas A, Boyron O, Taam M, Bertaud F, et al. Potential of catalytic oxidation of kraft black liquor for the production of biosourced compounds. *Green Chem.* 2023;25(12):4793-807.
4. del Hierro P, Boyron O, Ortin A. Fully Automated Instrument for Solution Viscosity in Polymeric Materials. *Macromol Symp.* 2022;406(1):2200018.
- ...
7. Usanase G, Fraisse F, Taam M, Boyron O. Determination of Short Chain Branching in LLDPE by Rheology. *Macromol Chem Phys.* 2022;223(20):2200150.
- ...
17. Boyron O, Marre T, Delauzun A, Cozic R, Boisson C. An Advanced Technique for Linear Low-Density Polyethylene Composition Determination: TGA-IST16-GC-MS Coupling. *Macromol Chem Phys.* 2019;220(17):n/a.
18. Boyron O, Taam M, Boisson C. Chemical Composition of Hexene-Based Linear Low-Density Polyethylene by Infrared Spectroscopy and Chemometrics. *Macromol Chem Phys.* 2019;220(24):1900376.
19. Brunel F, Boyron O, Clement A, Boisson C. Molecular Dynamics Simulation of Ethylene/Hexene Copolymer Adsorption onto Graphene: New Insight into Thermal Gradient Interaction Chromatography. *Macromol Chem Phys.* 2019;220(8):n/a.
- ...
22. Boyron O, MacQueron B, Taam M, Thuilliez J, Boisson C. Rapid Determination of the Chemical Composition of Ethylene/Butadiene Copolymers Using FTIR Spectroscopy and Chemometrics. *Macromol Chem Phys.* 2018;219(11):n/a.
- ...
25. Boyron O, Cancelas AJ, Taam M, Boisson C, McKenna T. A new straightforward method for measuring xylene soluble for high impact polypropylene. *Can J Chem Eng.* 2017;95(5):939-43.
- ...
38. Chitta R, Macko T, Bruell R, Boisson C, Cossoul E, Boyron O. Characterization of the Chemical Composition Distribution of Ethylene/1-Alkene Copolymers with HPLC and CRYSTAF-Comparison of Results. *Macromolecular Chemistry and Physics.* 2015;216(7):721-32.