



Dr Corinne Loutelier-Bourhis



Assistant professor

Analysis and modelling team / Mass spectrometry and separation sciences group

Tel : +33 2 35 52 29 24

E-mail : corinne.loutelier@univ-rouen.fr

[Orcid ID : 0000-0002-3361-1532](https://orcid.org/0000-0002-3361-1532), IDHal : 179772

PROFESSIONAL EXPERIENCES

- 1996- Assistant professor (Maître de Conférences); Rouen Normandy University, France.
- 1994-1995 Postdoctoral Associate; Advisor: Prof. Lange, Rouen Normandy University, France.

EDUCATION

- 2008 HDR ; Rouen Normandy University, France.
- 1991-1994 Ph.D. Analytical Chemistry, University of Paris VI, France.

ADMINISTRATIVE & INSTITUTIONAL RESPONSIBILITIES

RESEARCH INTERESTS

Mass spectrometry, ion mobility spectrometry, liquid and gas chromatography, capillary electrophoresis

SCIENTIFIC ACHIEVEMENTS

Academic record (h-index: 17)

69 publications / 6 ASMS conference proceedings

Exemples d'autres rubriques possibles (sans restriction de place)

SUPERVISION ACTIVITIES

4 theses : Delphine Oursel ; 2008 (100%), Emma-Dune Leriche ; 2013 (100%), Salomé Poyer ; 2015 (50%), Anna Luiza Mendes Siqueira ; 2018 (50%) , Anaïs George ; 2020-2023 (50%) , Oscar Lacroix ; 2020-2023 (25%)

2 post-doctoral internships : Caroline Barrere ; 2011-2012, Emma-Dune Leriche ; 2013-2014

GRANTS AND FELLOWSHIPS

TEACHING ACTIVITIES

Cours, TD et TP (192h) :

L1 Chimie/BCG /LAS/PMPC, L3 Chimie, M1 Chimie, M1 IS-IQBio, M2 AS, M2 IS-AQBio, L3 Professionnelle (CAC et CAP)

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

EDITORIAL ACTIVITIES

CONFERENCES

PUBLICATIONS

6 most recent publications:

1/ Membrane phospholipid composition of *Pseudomonas aeruginosa* grown in a cystic fibrosis mucus-mimicking medium, Deschamps, E., Schaumann, A., Schmitz-Afonso, I., Afonso C., Dé E., Loutelier-Bourhis, C., Alexandre, S., *Biochimica et Biophysica Acta - Biomembranes*, 2021, 1863(1), 183482.

2/ High-performance thin-layer chromatography with atmospheric solids analysis probe mass spectrometry for analysis of gasoline polymeric additives, Beaumesnil, M., Mendes Siqueira, A.L., Hubert-Roux, M., Loutelier-Bourhis, C., Afonso C., Racaud, A., Bai, Y., *Rapid Communications in Mass Spectrometry*, 2020, 34(S2), e8755.

3/ Multiple xylosyltransferases heterogeneously xylosylate protein N-linked glycans in *Chlamydomonas reinhardtii*, Lucas, P.-L., Mathieu-Rivet, E., Song, P.C.T., Oltmanns A., Loutelier-Bourhis, C., Plasson C., Afonso C., Lerouge P., Mati-Baouche, N., Bardor, M., *Plant Journal*, 2020, 102(2), 230-245.

4/ In vitro characterization of root extracellular trap and exudates of three Sahelian woody plant species, Carreras, A., Bernard, S., Durambur, G., Gügi, B., Loutelier-Bourhis, C., Pawlak, B., Boulogne I., Vicré, M., Driouich, A., Goffner, D., Follet-Gueye, M.-L., *Planta*, 2020, 251(19), 1-18.

5/ Extensin arabinosylation is involved in root response to elicitors and limits oomycete colonization, Castilleux, R., Plancot, B., Gügi, B., Attard, A., Loutelier-Bourhis, C., Lefranc, B., Nguema-Ona, E., Arkoun, M., Yvin, J.-C., Driouich, A., Vicré, M., *Annals of Botany*, 2020, 125(5), 751-763.

6/ Determination of the collision cross sections of cardiolipins and phospholipids from *Pseudomonas aeruginosa* by traveling wave ion mobility spectrometry-mass spectrometry using a novel correction strategy, Deschamps, E., Schmitz-Afonso, I., Schaumann, A., Loutelier-Bourhis, C., Alexandre, S., Afonso, C., *Analytical and Bioanalytical Chemistry*, 2019, 411(30), 8123-8131.

7/ Desiccation tolerance in plants: Structural characterization of the cell wall hemicellulosic polysaccharides in three *Selaginella* species, Plancot, B., Gügi, B., Mollet, J.-C., Loutelier-Bourhis, C., Ramasandra Govind, S., Lerouge, P., Follet-Gueye M-L., Vicre, Afonso, C., Nguema-Ona, E., Bardor, M., Driouich, A., *Carbohydrate Polymers*, 2019, 208, 180-190.