



Dr Christophe MORIN

Associate professor (HDR)

Analysis and modelling team

Mass spectrometry and separation sciences group

Tel : +33 (0)2 32 29 15 38

E-mail: christophe.morin@univ-rouen.fr

[Orcid ID](https://orcid.org/0000-0001-5607-3645) : 0000-0001-5607-3645

PROFESSIONAL EXPERIENCES

- 1998- Associate professor - University of Rouen Normandy – IUT d'Evreux
1996-1998 ATER positions (Teaching and research contract) - University of Rouen
1994-1996 Trainer during Capillary Electrophoresis courses (Beckman company)

EDUCATION

- 2008 HDR (Analytical chemistry) – University of Rouen
1998 PhD Analytical Chemistry (University of Rouen)
2011-2019 Elected member of CNU 32

ADMINISTRATIVE & INSTITUTIONAL RESPONSIBILITIES

- 2020 Head of department Génie Biologique (IUT de'Evreux – University of Rouen)
2016-2020 Member of the Research committee -University of Rouen
2012-2016 Member of the CFVU – University of Rouen

RESEARCH INTERESTS

- Mass Spectrometry
- Separation sciences
- Capillary electrophoresis
- Gas chromatography/MS/MS with thermodesorption
- Environmental analyses
- Complex organic mixtures

SCIENTIFIC ACHIEVEMENTS

22 publications, 6 invited lectures (academia & industry)

PUBLICATIONS

1. Particulate inorganic salts and trace element emissions of a domestic boiler fed with 5 commercial brands of wood pellets. S. Marcotte, C. Castilla, C. Morin, N. Merlet-

- Machour, L. Carrasco, F. Médaerts, H. Lavanant, C. Afonso, *Environmental Science and Pollution Research* (2020) 27:18221–18231.
2. Bioaccessibility of polycyclic aromatic compounds (PAHs, PCBs) and trace elements: influencing factors and determination in a river sediment core, F. Koltalo, T. Gardes, M. Debret, Y. Copard, S. Marcotte, C. Morin, Q. Laperdrix, *Journal of Hazardous Materials*, Elsevier, 2020, 384, pp.121499.
 3. Experimental designs for optimizing multi-residual microwave-assisted extraction and chromatographic analysis of oxygenated (hydroxylated, quinones) metabolites of PAHs in sediments. I. Berger-Brito, N. Machour, C. Morin, F. Portet-Koltalo, *Chromatographia*, 81 (2018) 1401-1412.
 4. Layer-by-Layer Assemblies Based on a Cationic β -Cyclodextrin Polymer: Chiral Stationary Phases for Open-Tubular Electrochromatography . G. Pédehontaa-Hiaa, M. Guerrouache, B. Carbonnier, F. Le Derf, C. J. Morin, *Chromatographia*, 78 (2015) 533-541.
 5. Enantioseparation of underivatized amino acids by ligand exchange capillary electrophoresis in a counter-electroosmotic mode, A. Aït Adoubel, C.J Morin, N. Mofaddel, G. Dupas, P.L. Desbène, *Anal. Bioanal. Chem.* 394 (2009) 597-608.
 6. Analysis of neutral surfactants by non-aqueous medium capillary electrophoresis hyphenated to mass spectrometry (ion trap), C.J. Morin, L. Geulin, N. Mofaddel, A.M. Desbène, P.L. Desbène, *J. Chromatogr. A* 1198-1199 (2008) 226-231.
 7. Analysis of virtual two-dimensional gels based upon affinity capillary electrophoresis hyphenated to ion trap mass spectrometry, N. Machour, J. Place, F. Tron, R. Charlionet, L. Mouchard, C. Morin, A. Desbène, P .L. Desbène, *Electrophoresis* 26 (2005) 1466-1475.
 8. Electrophoretic separations of twelve phenothiazines and N-desmethyl derivatives by using capillary zone electrophoresis and micellar electrokinetic chromatography with non ionic surfactant, D.C. Le, C.J. Morin, M. Beljean, A.M. Siouffi, P.L. Desbène, *J. Chromatogr. A* 1063 (2005) 235-240.
 9. Optimisation of the indirect fluorimetric detection for the simultaneous analysis of inorganic anions and polycharged organic anions by capillary electrophoresis, P.L. Desbène, C. Morin, A. Desbène, *Analisis* 26 (1998) 107-115.
 10. Utilization of fluorescein sodium salt in laser induced fluorimetric detection of ions separated by capillary zone electrophoresis, P.L. Desbène, C.J. Morin, A.M. Desbène-Montvernay, R.S. Groult, *J. Chromatogr. A* 689 (1995) 135-148.