



Pr Abdelhakim ELOMRI



Professor

Analysis and modelling team

Mass spectrometry and separation sciences group

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PROFESSIONAL EXPERIENCES

- 2018- Professor of Pharmacognosy, Health Department; Rouen Normandy University, France.
- 2015 Senior Lecturer in Pharmacognosy, Health Department; Rouen Normandy University, France.
- 2005 Permanent Researcher in CNRS-COBRA Laboratory; Rouen Normandy University, France.
- 2000 Postdoctoral position in Chemistry-Biology; University of California San Francisco (UCSF), USA.
- 1996-2015 Lecturer in Pharmacognosy, Health Department; Rouen Normandy University, France.
- 1994-1996 Assistant professor in Pharmacognosy, Health Department; Rouen Normandy University, France.
- 1993 Contractual study engineer, University René Descartes Paris V, France

EDUCATION

- 2006 Ability to Conduct Researches, Rouen University, France
- 1992-1995 Ph.D. Chemistry of Natural Product, Paris V University, France.
- 1990-1991 M.S. Chemistry and Physico-chemistry of Compounds of Biological Interest Paris V University, France.

ADMINISTRATIVE & INSTITUTIONAL RESPONSIBILITIES

- 2018- Member of the Advisor Commission of faculty specialists (CCSE, sections 85, 86, 87) – University of Rouen, France.
- 2015 Member of the Advisor Commission of faculty specialists (CCSE, section 86) – University Lille 2, France
- 2013 Member of the Advisor Commission of faculty specialists (CCSE, section 86) – University René Descartes Paris V, France

- 2008-2014 Member of the Advisor Commission of faculty specialists (CCSE, section 87-82) – University of Rouen, France.
- 1999-2008 Member of the Advisor Commission of faculty specialists (CCSE, section 40) – University of Rouen, France.

RESEARCH INTERESTS

My field of research in the chemistry of natural substances focus the following themes:

- Synthesis of heterocyclic compounds. I have carried out and supervised heterocyclic syntheses of structural analogues and derivatives of natural bioactive products.
- Development of extractions protocol and eco-compatible methods (microwave...), isolation and structure elucidation of secondary metabolites in plants
- The identification of compounds from complex samples, such as those of plant origin, is a lengthy process comprising steps of extraction, fractionation, purification and characterization. However, these steps can often lead to compounds already known and described in the literature.

In order to avoid this waste of time and resources, I participate to developing analytical tools in order to have an overview of the samples. In particular, the coupling of liquid chromatography with high resolution mass spectrometry (HPLC-HRMS), with atmospheric pressure ionization such as electrospray ionization, allows a screening of a wide range of metabolites. In addition, tandem mass spectrometry (MS/MS), and in particular high resolution MS/MS spectra, affords structural information on metabolites. Ultra-high-resolution Fourier-transform ion cyclotron resonance mass spectrometry (FTICR-MS) bring additional information and provided an overall cartography of metabolites.

SCIENTIFIC ACHIEVEMENTS

Academic record (h-index: 12)

33 publications, 01 patents, 03 invited lectures (academia & industry)

Selected prizes and awards (ou Editorial activities)

Laureate of Faculties of Pharmacy of Paris V and Paris XI:

- 1995 Seban Prize in Therapeutic Chemistry – Thesis Prize
- 1994 Menier Prize in Organic Chemistry
- 1991 Roussel Prize in Pharmacognosy

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

SUPERVISION ACTIVITIES

GRANTS AND FELLOWSHIPS

TEACHING ACTIVITIES

Since my successive appointments to the post of ATER, Senior Lecturer then Professor at the University of Rouen and following various reforms and developments in knowledge. I actively participate in teaching related to pharmacognosy, the chemistry of natural product for students of the common basic pharmaceutical training, for students of pharmacy and industrial sectors.

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

EDITORIAL ACTIVITIES

CONFERENCES

PUBLICATIONS

- X. Hu, S. Yin, Z. Huang, A. Elomri, Y. Lu
A new Phenylpropanoid Derivative Isolated from *Carthamus tinctorius* L.
Rec. Nat. Chem., **2016**, 10, 17-21.
- A.-S. Fabiano-Tixier, A. Elomri, A. Blanckaert, E. Seguin, E. Petitcolas, F. Chemat
Rapid and green analytical method for the determination of quinoline alkaloids from *Cinchona succirubra* based on Microwave-Integrated Extraction and Leaching (MIEL) prior to high performance liquid chromatography,
Int. J. Mol. Sci., **2011**, 12, 7846-7860.
- H. Mathouet, A. Elomri, P. Lameiras, A. Daïch, P. Vérité
An alkaloid, two conjugate sesquiterpenes and phenylpropanoid from *Pachypodanthium confine* Engl. and Diels,
Phytochemistry, **2007**, 68, 1818-1818.
- N. Costes, A. Elomri, H. Dufat-Trinh Van, S. Michel, E. Seguin, M. Koch, F. Tillequin, B. Pfeiffer, P. Renard, S. Léonce and A. Pierre
Synthesis of 6-dialkylaminoalkylamino pyrano[2,3-*c*]acridones and benzo[*b*] pyrano[3,2-*h*]acridones: soluble acronycine analogues with increased cytotoxic activity,
Oncol. Res., **2003**, 13, 191-19
- A. Elomri, S. Mitaku, S. Michel, A.-L. Skaltsounis, F. Tillequin, M. Koch, A. Pierré, N. Guilbaud, S. Léonce, L. Kraus-Berthier, Y. Rolland and Gh. Atassi
Synthesis and cytotoxic and antitumor activity of esters in the 1,2-dihydroxy-1,2-dihydroacronycine series,
J. Med. Chem., **1996**, 39, 4762-4766