

# Curriculum Vitae

(March 2016)

**Name:** MARCHIONI

**First names:** Eric, Marchione, Roland

**Birth date:** 01<sup>st</sup> Mars 1960

**Nationality:** French



## Qualifications:

- 2005 Professor in analytical chemistry.
- 2002 HDR Diploma (Accreditation to supervise Research), specialising in Analytical Chemistry.
- 2001 First Aid Officer.
- 1991 Graduation of the competent person in radiation protection for sealed and unsealed sources.
- 1989 PhD in Nuclear Physics, University Louis Pasteur, Strasbourg France.
- 1985 Master in Nuclear Physics, University Louis Pasteur, Strasbourg France.

## Current position and career history:

Head of Camba, research team, IPHC-DSA, Strasbourg, France.  
Head of the Master degree "Drug Sciences", Speciality "Drug analysis".  
Professor in Analytical Chemistry, University of Strasbourg, Strasbourg, France  
Expert in ANSES, French Agency for Food, Environmental and Occupational Health & Safety

1989: R&D activities manager at the Aérial, private Regional Innovation and Technology Transfer Centre (Critt)

1991: Lecturer in Physical and Analytical Chemistry at Louis Pasteur University (Strasbourg France).

2004: University Professor (qualification in 31<sup>st</sup> and 39 section).

## Expertise:

Food irradiation processing  
Development and control of Food Processes.  
Analytical chemistry.  
Development of novel analytical methods.

## Contracts:

32 national research contracts, 7 European contracts and 2 IAEA Contracts.

## Publications:

- 118 publications in international peer-reviewed journals,
- 44 invited conferences
- 45 oral presentations,
- 81 posters,
- 13 book chapters.
- 16 defended thesis (5 in progress)

**Contact et address:**

**Professeur Eric MARCHIONI**  
Chimie Analytique des Molécules BioActives  
**Institut Pluridisciplinaire Hubert Curien**  
**UMR 7178 - CNRS / Uds**

74 route du Rhin (Faculté de pharmacie)  
F-67400 Illkirch  
Tel : +33 (0)3 68 85 43 26  
Fax : +33 (0)3 68 85 43 25

## Scientific Production (last 5 years):

### 1. Book chapters (4/5 years):

1. **E. Marchioni** (2009), ESR as technique for food irradiation detection, in "Modern Magnetic Resonance - Challenges in a Changing World", María Guðjónsdóttir, Peter Belton, G.A. Webb Eds., Royal Society of Chemistry, Cambridge (Royaume-Uni), Vol 319, pp. 195-204.
2. S. Ennahar, **E. Marchioni** (2010), Antimicrobial peptides of the class IIa produced by lactic acid bacteria, Mohan, R. M. Ed., Global Research Network, Kerala (India), Res. Adv. Appl. Environ. Microbiol., 1, pp. 1–33.
3. C.H. Sommers, H. Delincée, J.S. Smith, **E. Marchioni** (2013), Chapitre 5: Toxicological Safety of Irradiated Foods, In "Food Irradiation Research and Technology" 2nd edition, C.H. Sommers and X. Fan Eds, Blackwell Publishing IFT Press, Ames (USA), pp 53-73. DOI: 10.1002/9781118422557
4. **E. Marchioni** (2013), Chapitre 8: Detection of Irradiated Foods, In "Food Irradiation Research and Technology" 2nd edition, C.H. Sommers and X. Fan Eds, Blackwell Publishing IFT Press, Ames (USA), pp 123-145. DOI: 10.1002/9781118422557

### 2. Articles.

#### **International peer viewed journals (5 years Impact Factors)(50/5 years)**

1. E. Wilson, F. Bindler, **E. Marchioni**, M. Bergaentzlé, A. Lintz, S. Ennahar (2013), In vitro efficacies of various isothiocyanates from cruciferous vegetables as antimicrobial agents against foodborne pathogens and spoilage bacteria. Food Control (FI: 3,038), 30, 318–324.
2. E.A. Wilson, F. Bindler, **E. Marchioni**, M. Bergaentzlé, T. Benrabah, S. Ennahar (2012), Solid phase extraction for the simultaneous determination of various isothiocyanates, J. Sep. Sci., (FI: 2,643), 35, 3369-3374.
3. M. Atindehou, L. Lagnika, B. Guérold, J.M. Strub, **E. Marchioni**, M. Zhao, A. Van Dorselaer, Y. Haikel, A. Sanni, M.H. Metz-Boutigue (2013), Characterization of two flavonoids from *Chromolaena odorata* (Asteraceae), active against four diarrheal strains, Advances in Microbiology (AiM), (FI: 0,900), 3, 115-121.
4. G. Hussain, F. Schmitt, A. Henriques, T. Lequeu, F. Rene, F. Bindler, S. Dirrig-Grosch, H. Oudart, L. Palamiuc, M.H. Metz-Boutigue, L. Dupuis, **E. Marchioni**, J.L. Gonzalez de Aguilar, J.P. Loeffler (2013), Systemic down-regulation of delta-9 desaturase promotes muscle oxidative metabolism and accelerates muscle function recovery following nerve injury, PLoS ONE (FI: 4,015), 8, e64525.
5. S. Bousserouel, J. Le Grandois, F. Gossé, D. Werner, S. Barth, **E. Marchioni**, J. Marescaux, F. Raul (2013), Methanolic extract of white asparagus shoots activates TRAIL apoptotic death pathway in human cancer cells and inhibits colon carcinogenesis in a preclinical model, Int. J. Oncol. (FI: 2,741), 43, 394-404.
6. L. Zhou, A. Khalil, F. Bindler, M. Zhao, C. Marcic, S. Ennahar, **E. Marchioni** (2013), Effect of Heat Treatment on the Content of Individual Phospholipids in Coffee beans, Food Chem. (FI: 3,867), 141, 3846-3850.
7. J. Le Grandois, M. Ruas, P. Kalisa, M. Jolissaint, **E. Marchioni**, D. Aoudé-Werner, B. Le Fur, S. Ennahar (2013), Detection of cold chain abuse in frozen and chilled salmon using the comet assay, LWT-Food Sci. Technol. (FI: 3,019), 54, 242-248.
8. R. Van der Werf, S. Sigrist, S. Ros, D. Aoude-Werner, J. le Grandois, S. Ennahar, F. Digel, **E. Marchioni** (2013), Chromatographic on-line detection of bioactives in food, Functional Foods in Health and Disease, 3(8):323-331.
9. L. Zhou, M. Zhao, A. Khalil, C. Marcic, F. Bindler, **E. Marchioni** (2013), Identification of Volatiles from Oxidized Phosphatidylcholine Molecular Species Using Headspace Solid-phase Microextraction (HS-SPME) and Gas Chromatography-Mass Spectrometry (GC-MS), Anal. Bioanal. Chem. (FI: 3,744), 405(28), 9125-9137.

10. V. N'Goka,; D. Julien-David, **E. Marchioni** (2013), Identification and quantitative analysis of  $\beta$ -sitosterol oxides in oil of 2 Macrotermiinae varieties from Congo, *J. Applied Sci.* (FI: 0,190), 13, 193-196.
11. O. Benaissa, A. Amrani, S. Bicha, D. Zama, F. Benayache, **E. Marchioni**, S. Benayache (2013), Free radical scavenging action of phenolic compounds from *Limonium Bondueli* (Plumbaginaceae), *Der Pharmacia Lettre* (FI: 0,245), 5, 234-240.
12. E. Hamon, P. Horvatovich, **E. Marchioni**, D. Aoudé-Werner, S. Ennahar (2013), Investigation of potential markers of acid resistance in *Lactobacillus plantarum* by comparative proteomics, *J. Appl. Microbiol* (FI: 2,657), 116, 134-144.
13. R. Van der Werf, A. Khalil, C. Marcic, S. Sigrist, **E. Marchioni** (2014), Antioxidant capacity in green and roasted coffee extracts, *LWT-Food Sci. Technol.* (FI: 3,019) 58, 77-85.
14. A. Fink, C.E. Rüfer, J. Le Grandois, A. Roth, D. Aoude-Werner, **E. Marchioni**, A. Bub, S.W. Barth (2014), Dietary walnut oil modulates liver steatosis in the obese Zucker rat, *Eur. J. Nutr.* (FI: 3,614), 53, 645–660.
15. S. Belkacem, H. Belbache, C. Boubekri, P. Mosset, O. Rached-Mosbah, **E. Marchioni**, S. Benayache, F. Benayache (2014), Chemical constituents from *Centaurea parviflora* Desf., *Res. J. Pharm. Biol. Chem. Sci.* (FI: 0,191), 5, 1275-1279.
16. F. Benayache, A. Bouregghda, S. Ameddah, **E. Marchioni**, F. Benayache, S. Benayache (2014), Flavonoids from *Thymus numidicus* Poiret, *Der Pharmacia Lettre* (FI: 0,245), 6, 50-54.
17. D Julien David, M. Zhao, P. Geoffroy, M. Miesch, F. Raul, D. Aoudé-Werner, S. Ennahar, **E. Marchioni** (2014), Analysis of sitosteryl oleate esters in phytosterols esters enriched foods by HPLC-ESI-MS2, *Steroids* (FI: 2,845), 84, 84-91.
18. B.S. Song, S.J. Choi, Y.B. Jin, J.H. Park, J.K. Kim, E.B. Byun, J.H. Kim, J.W. Lee, G.S. Kim, **E. Marchioni** (2014), A critical review on toxicological safety of 2-alkylcyclobutanones, *Radiat. Phys. Chem.* (FI: 1,296), 103, 188-193.
19. L. Zhou, M. Zhao, F. Bindler, **E. Marchioni** (2014), Comparison of the Volatiles Formed by Oxidation of Phosphatidylcholine with Triglyceride in Model Systems, *J. Agric. Food Chem.* (FI: 3,387), 62, 8295–8301.
20. S. Mezhoud, R. Mekkiou, P. Chalard, G. Figueredo, **E. Marchioni**, F. Benayache, S. Benayache (2014), Comparative essential oil composition of flowers and leaves of *Warionia saharae* Benth. & Coss, *Res. J. Pharm., Biol. Chem. Sci.* (FI: 0.35), 5, 1367-1372.
21. Y. Mechhoud; P. Chalard, G. Figueredo, **E. Marchioni**, F. Benayache, S. Benayache (2014), Chemical composition of the essential oil of *Ononis angustissima* (Lam.) Batt. et Trab, *Res. J. Pharm., Biol. Chem. Sci.* (FI: 0.191), 5, 1307-1310.
22. Y. Mechhoud, P. Chalard, G. Figueredo, **E. Marchioni**, F. Benayache, S. Benayache, (2014), Chemical composition of the essential oil of *haplophyllum tuberculatum* (Forssk.) L.A. Juss. From Algeria, *Res. J. Pharm., Biol. Chem. Sci.* (FI: 0.191), 5, 1416-1419.
23. R. Van der Werf, S. Ros, J. Le Grandois, D. Aoude-Werner, F. Digel, S. Ennahar, S. Sigrist, **E. Marchioni** (2015), Determination of active radical scavenging compounds in polar fruit and vegetable extracts by an on-line HPLC method, *LWT-Food Sci. Technol.* (FI: 3,019), DOI: 10.1016/j.lwt.2015.01.004.
24. M. Aissaoui, P. Chalard, G. Figueredo, **E. Marchioni**, M. Zao, F. Benayache, S. Benayache (2015), Chemical composition of the essential oil of *Salvia verbenaca* (L.) Briq. ssp. pseudo-jaminiana (Chev.) M, *Res. J. Pharm. Biol. Chem. Sci.* (SJR: 0,191), 5(6), 368-372.
25. Z. Belloum, P. Chalard, G. Figueredo, **E. Marchioni**, M. Zao, F. Benayache, S. Benayache (2014), Chemical composition of the essential oil of *Salvia verbenaca* (L.) Briq. ssp clandestina (L.) Pugsl., *Res. J. Pharm. Biol. Chem. Sci.* (SJR: 0,191), 5(6), 262-265.
26. S. Mohammadi, P. Chalard, G. Figueredo, **E. Marchioni**, M. Zao, F. Benayache, S. Benayache (2014), Chemical composition of the essential oil of *Salvia aegyptiaca* L., *Res. J. Pharm. Biol. Chem. Sci.* (SJR: 0,191), 5(6), 207-210.
27. K. Chebbah, **E. Marchioni**, A. Menad, R. Mekkiou, D. Sarri, S. Ameddah, O. Boumaza, R. Seghiri, S. Benayache, F. Benayache (2014), Preliminary phytochemical screening, analysis of phenolic

- compounds and antioxidant activity of *Genista cephalantha* Spach. (Fabaceae), International journal of phytomedicine (SJR: 0,270), 6(3).
28. R. Van der Werf, S. Ros, J. Le Grandois, D. Aoude-Werner, F. Digel, S. Ennahar, S. Sigrist, **E. Marchioni** (2015), Determination of active radical scavenging compounds in polar fruit and vegetable extracts by an on-line HPLC method, LWT-Food Sci. Technol. (FI: 3,107), 62, 152-159.
  29. M. Aissaoui, P. Chalard, G. Figueredo, **E. Marchioni**, M. Zao, F. Benayache, S. Benayache (2015), Chemical composition of the essential oil of *Salvia verbenaca* (L.) Briq. ssp. pseudo-jaminiana (Chev.) M, Res. J. Pharm. Biol. Chem. Sci. (SJR: 0,16), 5(6), 368-372.
  30. M.M. Araújo, **E. Marchioni**, A.L. Villavicencio, M. Zhao, T. di Pascoli, F. Kuntz, M. Bergaentzle, (2015), Mechanism of folic acid radiolysis in aqueous solution, LWT-Food Sci. Technol. (FI: 3,107), 63, 599-603.
  31. M. Diop, N. Auberval, A. Viciglio, A. Langlois, W. Bietiger, C. Mura, C. Peronet, A. Bekel, D. Julien David, M. Zhao, M. Pinget, N. Jeandidier, E. Maillard, C. Vauthier, **E. Marchioni**, Y. Frere, S. Sigrist (2015), Design, characterisation, and bioefficiency of insulin-chitosan nanoparticles after stabilisation by freeze-drying or cross-linking, Int. J. Pharm. (FI: 3,431), 491(1-2), 402-408.
  32. N. Auberval, S. Dal, W. Bietiger, E. Seyfritz, J. Peluso, C. Muller, M. Zhao, **E. Marchioni**, M. Pinget, N. Jeandidier, E. Maillard, V. Schini-Kerth, S. Sigrist (2015), Oxidative stress type influences the properties of antioxidants containing polyphenols in RINm5F beta cells, Evid.-based Complement Altern. Med. (FI: 1,880), <http://dx.doi.org/10.1155/2015/859048>, 2015, 11 pages.
  33. S. Boussaha, K. Bekhouche, A. Boudjerda, F. León, S. Koldaş, A.S. Yaglioglu, İ. Demirtaş, I. Brouard, **E. Marchioni**, D. Zama, S. Benayach, F. Benayache (2015), Chemical Constituents, *in vitro* Antioxidant and Antiproliferative Activities of *Perralderia coronopifolia* Coss. subsp. *eu-coronopifolia* M. var. *typica* M. extract, Rec. Nat. Prod. (FI: 0,868), 9, 312-322.
  34. S. Mohamadi, M. Zhao, A. Amrani, **E. Marchioni**, D. Zama, F. Benayache, S. Benayache (2015), On-line screening and identification of antioxidant phenolic compounds of *Saccocalyx satuireioides* Coss. et Dur., Ind. Crop. Prod. (FI: 3,019), 76, 910-919.
  35. A. Henriques, H. Blasco, M.C. Fleury, P. Corcia, A. Echaniz-Laguna, T. Lequeu, G. Rudolf, M. Bergaentzle, C. Gachet, P.F. Pradat, **E. Marchioni**, C. Andres, C. Tranchand, J.L. Gonzalez de Aguilar, J.P. Loeffler, Blood cell palmitoleate/palmitate ratio is an independent prognostic factor for ALS, PLoS ONE (FI: 4,537) 10, e0131512/1-e0131512/14.
  36. L. Zaiter, F. Benayache, N. Beghidja, G. Figueredo, P. Chalard, J.C. Chalchat, **E. Marchioni**, S. Benayache (2015), Essential oils of *Santolina africana* Jord. & Fourr and *Santolina chamaecyparissus* L., J. Essent. Oil Bear. Plants (FI: 0,340), 18, 1338-1342.
  37. L. Zhou, M. Zhao, F. Bindler, **E. Marchioni** (2015), Identification of Oxidation Compounds of 1-stearoyl-2-linoleoyl-sn-glycero-3-phosphoethanolamine During Thermal Oxidation, J. Agric. Food Chem. (FI: 3,269), 63, 9615-9620.
  38. P.R. Fatiany, B. Fiatoa, G. Raoelson, A.O. Randrianirina, A. Randriantsoa, C. Andrianjara, M. Zhao, **E. Marchioni**, B. Robijaona, M. Solofoniaina, N.N. Kotote (2016), Vasodilator effects of *Cymbopogon pruinosis* (Poaceae) from Madagascar on isolated rat thoracic aorta and structural elucidation of its two bioactive compounds, J. Pharmacogn. Phytochem. (FI: GIF: 0,255), 5, 46-55.
  39. I. Lozano, R. Van der Werf, W. Bietiger, E. Seyfritz, C. Peronet, N. Jeandidier, M. Pinget, E. Maillard, **E. Marchioni**, S. Sigrist, S. Dal (2015), High-fructose and high-fat diet-induced disorders in rats: Impact on diabetes risk, hepatic and vascular complications, Nutr. Metab. (FI: 3,556), DOI 10.1186/s12986-016-0074-1, 15, 1-13.
  40. M.H. Hagemann, K. Bogner, **E. Marchioni**, S. Braun (2016), Chances for dry-hopped non-alcoholic beverages? Part 1: Concept and market prospects, BrewingScience (SJR: 0,32), July / August, (69) 50-55.
  41. A. Jiménez-Quero, E. Pollet, M. Zhao, **E. Marchioni**, L. Averous, V. Phalip (2016), Itaconic and fumaric acid production from biomass hydrolysates by *Aspergillus* strains, J. Microbiol. Biotechnol. (FI: 1,705), 26(9), 1557-65.

42. I. Hammi, F. Delalande, R. Belkhou, **E. Marchioni**, S. Cianferani, S. Ennahar (2016), Maltarin CPN, a new class IIa bacteriocin produced by *Carnobacterium maltaromaticum* CPN isolated from mould-ripened cheese, *J. Appl. Microbiol.* (FI: 2,658), 121(5), 1268-1274.
43. M. Zhao, M.M. Araújo, S. Dal, S. Sigrist, M. Bergaentzle, D. Ramanitrahambola, C. Andrianjara, **E. Marchioni** (2016), Development and validation of a simple and sensitive HPLC-DAD-ESI/MS method for the determination of fructosazine analogues in the ammonia treated extract of *Eugenia Jambolana* Lamarck seeds, *J. Chromatogr. A* (FI: 4,150), DOI: 10.1016/j.chroma.2016.10.035, 1473, 66–75.
44. C. Clayeux, **E. Marchioni**, R. Van der Werf, S. Dal-Ros, S. Sigrist, D. Steyer, S. Ennahar (2017), Compared Chemical Activity and Effects on Cell Viability of Various Antioxidant Compounds, *Curr. Anal. Chem.* (FI: 1,150), 13(2) 104-110,
45. A. Jiménez-Quero, E. Pollet, M. Zhao, **E. Marchioni**, L. Averous, V. Phalip (2017), Fungal fermentation of lignocellulosic biomass for itaconic and fumaric acid production, *J. Microbiol. Biotechnol.* (FI: 1,705), DOI: 10.4014/jmb.1607.07057, *J. Microbiol. Biotechnol.*, 27 (1), 1-8.
46. J. Le Grandois, D. Guffond, E. Hamon, **E. Marchioni**, D. Werner (2017), Combined microplate-ABTS and HPLC-ABTS analysis of tomato and pepper extracts reveals synergetic and antagonist effects of their lipophilic antioxidative components, *Food Chem*, 223, 62-71.
47. Y. Chemam, S. Benayache, **E. Marchioni**, M. Zhao, P. Mosset, F. Benayache (2017), On-line screening, isolation and identification of antioxidant compounds of *Helianthemum ruficomum*, *Molecules* (FI: 2,749), *Molecules*, doi:10.3390/molecules22020239, 22, 239-253.
48. L. Lechevretel, R. Santucci, M. Burgin-Noll, C. Caille, **E. Marchioni**, F. Pieri, A. Jourdil, F. Couturier, P. Challan-Belval (2017), Effect of Vitamin E on the Anti-Coagulant Response, *Glob. J. Pharmaceu. Sci.*, 1(3), 555563.
49. S. Gorecki, F. Nesslany, D. Hube, J.U. Mullot, P. Vasseur, **E. Marchioni**, V. Camel, L. Noël, B. Le Bizec, T. Guérin, C. Feidt, X. Archer, A. Mahe, G. Rivière (2017), Human health risks related to the consumption of foodstuffs of plant and animal origin produced on a site polluted by chemical munitions of the First World War, *Sci. Total Environ.* (FI: 4,317), <https://doi.org/10.1016/j.scitotenv.2017.04.213> 599, 314-323.
50. A. Cambrai, **E. Marchioni**, D. Julien David, C. Marcic (2017), Discrimination of cocoa bean origin by chocolate polyphenol chromatographic analysis and chemometrics, *Food Anal. Meth.* (FI: 2,167), doi:10.1007/s12161-016-0744-7, 10(6), 1991-2000.

### 3. Conferences, congress and communications:

#### **Invited conferences (9/5 years)**

1. **E. Marchioni**, "Chromatographic on-line detection of bioactives in food", conférence réalisée au Graduate School of Agriculture Kyoto (Japon), le 7 mai 2013.
2. **E. Marchioni**, "Food processes and their analytical control", conférence réalisée au AC21 International Graduate Summer School, Bangkok (Thaïlande), le 2 juin 2013.
3. **E. Marchioni**, "Critical study of the protocols for the analysis of 2-ACBs in irradiated foods", conférence du Kaeri de Jeongeup (Corée du sud), 13 novembre 2013.
4. **E. Marchioni**, "Management de projets de recherche transfrontaliers », Conférence de la Région Métropolitaine Trinationale du Rhin Supérieur, Université de Strasbourg, Strasbourg (France), 19 et 28 novembre 2013.
5. **E. Marchioni**, "ACBs analysis for the chemical detection of low dose irradiated foods", Consultancy Meeting on New Methods for the Detection and Quantification of Irradiation in Intercepted Insects, Vienne (Autriche), 10-14 mars 2014.
6. **E. Marchioni**, "Les compléments alimentaires et les aliments fonctionnels. Un petit voyage de la réglementation à l'efficacité biologique en passant par la fraude", conférences de l'École Doctorale Sciences de la Vie, de la Santé et de l'Environnement, Formation Doctorale Sciences des Médicaments, Faculté de médecine, d'odontologie et de pharmacie de l'Université Cheikh Anta Diop, Dakar (Sénégal), 16 février 2016.
7. **E. Marchioni**, "Analyse de composés bioactifs présents dans les aliments locaux et traditionnels. Application aux locavores, au diabète et à ses complications ", Journées du club AFSEP sud Ouest « Chimie analytique et gastronomie », Laboratoire de Chimie de Coordination, Université de Toulouse, Toulouse (France), 17 novembre 2016.
8. **E. Marchioni**, "Analysis of bioactive compounds in local and traditional foods. Application to diabetes and their complications", Conférences de l'école Doctorale de l'Université d'Alagoas, Maceio (Brésil), 21 février 2017.
9. **E. Marchioni**, Keynote lecture: "On-line analysis of compounds with antiradical activity in local and traditional foods", Keynote invited paper : Joint Meeting of the NutRedOx COST Action CA16112 & the 5th NutriOx Atelier 2017, Strasbourg (France), 27-29 septembre 2017.

#### **Oral presentations (9/5 years)**

1. A. Fink, C.E. Rüfer, J. Le Grandois, D. Aoude-Werner, **E. Marchioni**, A. Bub, S.W. Barth, Dietary walnut-oil modulates non-alcoholic fatty liver disease (NAFLD) in a rodent obesity model, Annual Meeting of the German Nutrition Society, Bonn (Germany), 20-22 mars 2013.
2. R. Van der Werf, S. Sigrist, S. Ros, D. Aoude-Werner, J. Le Grandois, S. Ennahar, F. Digel, **E. Marchioni**, "Chromatographic on-line detection of bioactives in food", Functional and Medicinal Foods with Bioactive Compounds: Science and Practical application, Kyoto (Japon), le 11 mai 2013.
3. S. Dal-Ros, R. Van Der Werf, C. Walter, W. Bietiger, E. Seyfritz, C. Mura, C. Peronet, J. Le Grandois, D. Werner, S. Ennahar, F. Digel, M. Pinget, **E. Marchioni**, S. Sigrist, Diabetes and oxidative stress: impact of natural antioxidants consumption, 7th World Congress on Obesity & Diabetes, Riga (Lituanie), 24-25 octobre 2013.
4. S. Dal, R. Van der Werf, C. Walter, W. Bietiger, E. Seyfritz, C. Mura, C. Péronet, J. Le Grandois, D. Werner, S. Ennahar, F. Digel, M. Pinget, N. Jeandidier, **E. Marchioni**, S. Sigrist, Rééquilibrage alimentaire et enrichissement en antioxydants naturels : une nouvelle approche dans la prévention du diabète de type 2 chez l'animal, Journées Francophones de Nutrition, Bruxelles (Belgique), 10 au 12 décembre 2014.
5. S. Dal, R. Van Der Werf, C. Walter, W. Bietiger, E. Seyfritz, C. Mura, C. Peronet, J. Le Grandois, D. Werner, S. Ennahar, F. Digel, M. Pinget, N. Jeandidier, **E. Marchioni**, S. Sigrist, (2015). Lifestyle changes and antioxidant enrichment: A new approach to prevent type 2 diabetes in animals. 1er Congrès de Physiologie & de Biologie Intégrative, Strasbourg (France), 4-6 mai 2015

6. J. Le Grandois, M. Bergaentzlé, E. Hamon, **E. Marchioni**, J.L. Deborde, D. Werner, Development of a multivitaminic extraction procedure for the determination of B-group water-soluble vitamins in foods, 4th International Vitamin Conference, Copenhagen (Danemark), 25 au 27 May 2016.
7. C. Marcic, E.A. Wilson, D. Julien David, **E. Marchioni**, S. Ennahar, Health benefits of a traditional food: cabbage, International Conference : Bonding tradition with innovation-successful strategies in food chain value, 12-13 septembre 2016, Olsztyn (Pologne).
8. C. Marcic, Z. Triaux, **E. Marchioni**, H. Petitjean, Analysis and Bioactivity of terpenes from food and plants, The 3rd National Conference of Nutrition and Dietetics, 4-5 Novembre 2016, Tîrgu Mures (Roumanie).
9. R. Belaouira, S. Benayache, **E. Marchioni**, La recherche de nouveaux métabolites secondaires bioactifs à partir de plantes sahariennes endémiques, Phytoday 2017, 23 juin 2017, Reims (France).

### Posters (24/5 years)

1. A. Fink, C.E. Rüfer, J. Le Grandois, D. Aoude-Werner, **E. Marchioni**, A. Bub, S.W. Barth, Anti-steatotische Wirkung von Walnussöl und Walnusskernen (*Juglans regia* L.) in der obese Zucker-Ratte, 50. Wissenschaftlicher Kongress der Deutschen Gesellschaft für Ernährung, Bonn (Germany), 20-22 mars 2013.
2. C. Krems, S. Bartel, **E. Marchioni**, C. Pfau, Kauf regionaler Lebensmittel in der deutschen Oberrhein-Region, 50. Wissenschaftlicher Kongress der Deutschen Gesellschaft für Ernährung, Bonn (Germany), 20-22 mars 2013.
3. M.M. Araújo, **E. Marchioni**, M. Zhao, Y. Eb-Levadoux, J. Le Grandois, M. Bergaentzle, LC-MS/MS for simultaneous quantification of water soluble vitamins in energy drinks, juices and supplements, Euroanalysis, Varsovie (Pologne), 25 - 29, août 2013.
4. J. Le Grandois, D. Aoudé-Werner, **E. Marchioni**, S. Ennahar, Detection of cold chain abuse in frozen and chilled salmon using the comet assay, Bio-based Technologies in the Context of European Food Innovation Systems, 2013 EFFoST Annual Meeting, Bologna (Italy), 12-15 novembre 2013.
5. S. Benayache, S. Mohammadi, F. Benayache, M. Zao, **E. Marchioni**, On-line screening and identification of antioxidant phenolic compounds of *Saccocalyx saturoides* coss. et dur, XI-International Ethnobotany Symposium, Antalya (Turquie), 02-05 Novembre 2013.
6. S. Benayache, S. Mohammadi, F. Benayache, M. Zao, **E. Marchioni**, New iridoids and other constituents from *Gaillonia reboudiana*, XI-International Ethnobotany Symposium, Antalya (Turquie), 02-05 November 2013.
7. A. Henriques, F. Schmitt, T. Lequeu, G. Hussain, F. Bindler, **E. Marchioni**, J.L. Gonzalez de Aguilar, J.P. Loeffler, Fatty acid profile reveals profound alterations of lipid metabolism in SOD1 mice, an animal model of amyotrophic lateral sclerosis, International Symposium on ALS/MND, Milan (Italie) , 6-8 décembre 2013.
8. S. Benayache, S. Mohammadi, M. Zao, F. Benayache, **E. Marchioni**, On-line screening and identification of antioxidant phenolic compounds of *Saccocalyx saturoides* Coss. et Dur., XI International Ethnobotany Symposium, 2-5 novembre 2013, Antalya (Turquie), Emirates Journal of food and agriculture, 2013, Volume 25, Supplementary Issue, Page 73.
9. S. Boussaha, F. León, I. Brouard, **E. Marchioni**, S. Benayache, F. Benayache, New iridoids and other constituents from *Gaillonia reboudiana*. XI International Ethnobotany Symposium, 2-5 novembre 2013, Antalya (Turquie), Emirates Journal of food and agriculture, 2013, Volume 25, Supplementary Issue, Page 74.
10. J. Le Grandois, M.M. Araujo, E. Hamon, M. Bergaentzle, **E. Marchioni**, J.L. Deborde, D. Werner (2014), Comparison of two chromatographic methods using LC-MS<sup>2</sup> for simultaneous determination of water-soluble vitamins- -International Vitamin Conference 12-15 Mai 2014, Washington (USA).
11. F.T. Rodrigues, **E. Marchioni**, F. Kuntz, A.L.C.H. Villavicencio, D. Julien-David, Evaluation of profenofos in aqueous solution by electrons beam, 4th International Nuclear Chemistry Congress, 14-19 septembre 2014, Maresias, SP (Brésil).
12. S. Benayache, M. Aissaoui, S. Lassed, D. Zama, F. Leon, **E. Marchioni**, I. Brouard, P. Oliveira, F. Benayache (2014), New bioactive molecules from *reseda alphonsi*, Chemical Technologies and Chemical Engineering Conference (Chemtech'14), 23-25 octobre 2014, Istanbul (Turquie).
13. C. Essaid, A. Boudjerda, **E. Marchioni**, F. Leon, I. Brouard, S. Benayache, F. Benayache, New Coumarins and other constituents from *Pituranthos battandieri* Maire (Apiaceae), Chemical Engineering and Chemical Technologies Conference (Chemtech'14), 23-25 octobre 2014, Istanbul (Turquie).
14. S. Dal-Ros, R. Van der Werf, C. Walter, W. Bietiger, E. Seyfritz, C. Mura, C. Péronet, J. Legrandois, D. Werner, S. Ennahar, F. Digel, M. Pinget, N. Jeandidier, **E. Marchioni**, S. Sigrist, Apports bénéfiques des antioxydants naturels dans la prévention du diabète de type 2 chez l'animal. SFD 2014 – Congrès de la Société Francophone du Diabète, 11-14 mars 2014, Paris (France).



15. S. Dal-Ros, R. Van der Werf, C. Walter, W. Bietiger, E. Seyfritz, C. Mura, C. Péronet, J. Legrandois, D. Werner, S. Ennahar, F. Digel, M. Pinget, N. Jeandidier, **E. Marchioni**, S. Sigrist, Intérêts de l'ajout d'antioxydants naturels à un rééquilibrage alimentaire dans la prévention du diabète de type 2 chez l'animal. SFD 2014 – Congrès de la Société Francophone du Diabète, 11-14 mars 2014, Paris (France).
16. S. Dal-Ros, R. Van der Werf, C. Walter, W. Bietiger, E. Seyfritz, C. Mura, C. Péronet, J. Legrandois, D. Werner, S. Ennahar, F. Digel, M. Pinget, N. Jeandidier, **E. Marchioni**, S. Sigrist, Intérêts de l'ajout d'antioxydants naturels à un rééquilibrage alimentaire dans la prévention du diabète de type 2 chez l'animal. SFD 2014 – Congrès de la Société Francophone du Diabète, 11-14 mars 2014, Paris (France).
17. Y Chemam, S. Boussaha, M. Zhao, **E. Marchioni**, S. Benayache, F. Benayache, Recherche et détermination structural de métabolismes secondaires de *Helianthemum*, Congrès international Biotechnologie au Service de la Société "BioSeS2015" Molécules bioactives et applications, 22-24 Octobre 2015, Fes (Maroc).
18. S.W. Barth, A. Bub, **E. Marchioni**, B. Matthäus, Die Walnuss als "Funktionelles Lebensmittel"? Wissenschaftliche Untersuchungen zur Prävention des Metabolischen Syndroms und rechtliche Einordnung in die „Health-Claims-Verordnung“, 57th annual Meeting of the German Vet. Soc., Section Food hygiene, 27-30 Septembre 2016, Garmisch-Partenkirchen (Allemagne).
19. J. Le Grandois, D. Guffond, **E. Marchioni**, D. Werner, Is the antioxidant efficiency of vitamin E influenced by other lipophilic compounds? 4th International Vitamin Conference - 25-27 May 2016, Copenhagen (Danemark).
20. Y. Chemam, S. Benayache, F. Benayache, **E. Marchioni**, Valorisation of Saharan species of the genus *Helianthemum* (*Cistaceae*) and antioxidant activity, JIB2016, 22-24 juin 2016, Paris (France).
21. G. Cavalcante F. Júnior, M. Zhao, **E. Marchioni**, J. Xaviel de Araujo Júnior, T. Gomes do Nascimento, Determination of Carboxymethyllysine, Pentosidine and Pyrraline using Ion Exchange Solid-Phase Extraction and LCMS/ESI (Q-TOF), 8<sup>th</sup> Brazilian Symposium on Medicinal Chemistry, 27-30 Novembre 2016, Búzios, Rio de Janeiro (Brazil).
22. Z. Triaux, H. Petitjean, **E. Marchioni**, C. Marcic, Développement de méthodes d'extraction et d'analyse de molécules terpéniques, Phytoday 2017, 23 juin 2017, Reims (France).
23. M. Baldé, D. Julien David, S. Dal, A. Wélé, **E. Marchioni**, Extraction de composés bioactifs à partir de plantes médicinales : méthodes de sélection des solvants, Phytoday 2017, 23 juin 2017, Reims (France).
24. L. Riffault-Valois, **E. Marchioni**, Les réseaux moléculaires comme moyen d'exploration rapide du contenu phytochimique d'extraits hydro-alcooliques de plantes, congrès **SMMAP 2017** (Spectrométrie de Masse, Métabolomique et Analyse Protéomique), 3-5 octobre 2017, Marne-la-Vallée-Chessy (France)