

Curriculum Vitae

Name: Corvini-Boussouel, Nora

Married since: 2002 to Corvini Philippe

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Education:

- **1993-1998:** Elite highschool: Ecole Nationale Supérieure d'Agronomie et des Industries Alimentaires (ENSAIA) – Institut National Polytechnique de Lorraine (INPL) ; Nancy, France

- **PhD** in Biotechnology and Food Industries with distinction: "Lactoperoxidase system: Characterization, improvement of its antibacterial efficiency and assessment of LPS-nisin combination possessing activity against *Listeria monocytogenes*"

- **DEA** (Diploma) in Biotechnology and Food Industries with distinction. Diploma thesis: Influence of physico-chemical factors on bacteriocin production by *Leuconostoc mesenteroides* FR 52.

- **1992:** Sciences Faculty, University; Tizi-Ouzou, Algeria.

- **Engineer** Diploma. Control-Quality-Analysis

Professional career:

- **2010-2017:** Scientific assistant for research at University of Applied Sciences and Arts Northwestern Switzerland. School for Life Sciences. Institute for Ecopreneurship. Switzerland.
- **2001-2003:** Scientific assistant (Postdoc) for research at LNPV. Unité de Mycologie Agricole et Forestière. INRA, Nancy.

-Genomic variations in *Monilinia laxa* and *M. fructigena* and application of PCR for species identification.

- **2000-2001:** Scientific assistant (Postdoc) for research at the Institut National de la Recherche Agronomique. INRA, Nancy.

-Spatial importance and maintenance mechanisms of forest biodiversity resulting of past agricultural practices.

- **1998-2000:** Engineer at Laboratoire Agronomie et Environnement. ENSAIA, Nancy.

-*Litchi chinensis* fatty acid diversity

Process of plant metabolites production in hydroponic cultivation.

Publications:

- Lili Tian, Boris Kolvenbach, Nora Corvini, Songfeng Wang, Nasrin Tavanaie, Lianhong Wang, Yini Ma, Stefan Scheu, Philippe François-Xavier Corvini and Rong Ji. (2016). Mineralisation of ¹⁴C-labelled Polystyrene Plastics by *Penicillium variable* After Ozonation Pre-treatment. New Biotechnol.

- Nora Corvini, Boris A. Kolvenbach, Mohamed El idrissi, Patrick Shahgaldian and Philippe Corvini.(2016). Smart gate particles for targeted and extended nutrients supply. (Kill Spill workshop at Ecomondo)
- Nora Corvini, Mohamed El idrissi, Patrick Shahgaldian and Philippe Corvini.(2016). SmartGate, the product to boost and sustain oil biodegradation (Kill Spill workshop at Ecomondo)
- Danuta Cichocka, Nora Corvini, Boris A. Kolvenbach, Mohamed El idrissi, Patrick Shahgaldian and Philippe Corvini. (2015).Crude oil biodegradation with nutrients (N and P) immobilized on nanoparticle. (Kill.Spill Ghent meeting, June 2015)
- Integrated Biotechnological Solutions for Combating Marine Oil Spills: Kill•Spill Handbook (In Press)
- Boussoel, N., Mathieu, F., Benoit, V., Linder, M., Revol-Junelles, A.M., and Millière, J.B. (2001). Response Surface Methodology, an approach to predict the effects of lactoperoxidase system, and Nisin, alone or in combination, on *Listeria monocytogenes* in skim milk. Journal of Applied Microbiology
- Boussoel, N., Mathieu, F., Revol-Junelles, A.M., and Millière, J.B. (2000). Effects of lactoperoxidase system and Nisin on the behavior of *Listeria monocytogenes* ATCC 15313 in skim milk. International Journal of Food Microbiology
- Gontier, E., Boussoel, N., Terrasse, C., Jannoyer, M., Menard, M., Thomasset, B., and Bourgaud, F. (2000). *Litchi chinensis* fatty acid diversity; occurrence of unusual cyclopropanoic fatty acids. Biochemical Society Transactions

- Gontier, E., Boussouel, N., Terrasse, C., Jannoyer, M., Menard, M., Thomasset, B., and Bourgaud, F. 14th International Symposium on Plant Lipids 2000 (Cardiff, UK.) *Litchi chinensis* fatty acid diversity; occurrence of unusual cyclopropanoic fatty acids.

- Boussouel, N., Mathieu, F., Revol-Junelles, A.M., and Millière, J.B. (1998) 3^{èmes} Journées Franco-britanniques de Nutrition. Anti-*Listeria monocytogenes* combination of nisin and lactoperoxidase system in milk.

- Bouttefroy, A., Boussouel, N., Revol-Junelles, A.M., and Millière, J.B. 3^{èmes} Journées Franco-britanniques de Nutrition, 1998 (Nancy, France) Optimisation of Anti-*Listeria monocytogenes* combinations of bacteriocins (nisin, curvaticin) and lactoperoxidase system in broth and milk.

- Boussouel, N., Revol-Junelles, A.M., Ramet, J.P., and Millière, J.B. 25th International Dairy Congress, 1998 (Aarhus, Denmark)

- Bouttefroy, A., Boussouel, N., Millière, J.B., and Lefebvre, G. 9^{èmes} Rencontres Agoral 1998 (Nancy France) Réduction des flores pathogènes des aliments par la mise en œuvre de bacteriocines et de systèmes enzymatiques. Application à la lutte anti-*Listeria* dans les produits laitiers.