



Maître de Conférences

Institut Universitaire de la Vigne et du Vin, Bureau 105, 1<sup>er</sup> étage

Tel : 33 0(3) 80 39 62 61

Fax : 33 0(3) 80 36 62 65

sandrine.rousseau@u-bourgogne.fr

### THEMATIQUES DE RECHERCHE

**Ecologie microbienne de la baie de raisin : flore technologique et d'altération**

### CURSUS

**Doctorat des Sciences de la Terre de l'Université de Bourgogne (1997-2001)**

*Intitulé de la thèse* : Diversité taxonomique, génotypique et physiologique des souches bactériennes dégradant l'atrazine dans les sols. Impacts d'apports de boues de station d'épuration et essai de bioremédiation.

*Laboratoire d'accueil* : UMR MGS/INRA 1229, Dijon.

**DEA Sciences Agronomiques ENSAIA-INPL, Nancy. (1996-1997)**

*Thème* : Etude du stress engendré par l'application de deux pesticides (l'atrazine et le DNOC) sur la diversité de la microflore du sol

*Laboratoire d'accueil* : UMR MGS/INRA 1229, Dijon

### PARCOURS PROFESSIONNEL

**Maître de Conférences, Institut Universitaire de la Vigne et du Vin (depuis sept 2003)**

**ATER (1/2 poste 2001-2003)**

Enseignement de la Microbiologie à l' UFR Sciences Vie (niveaux Licences, Master 1et 2)

Recherche au Laboratoire de Microbiologie, UMR Université de Bourgogne/INRA 1232 sur le thème de l'Impacts de facteurs environnementaux sur le développement de pathogènes dans du compost.

### ENSEIGNEMENT

Viticulture : pathologie, techniques viticoles, Gestion des effluents viti-vinicoles, Microbiologie du sol

## **BIBLIOGRAPHIE**

- 1-Rousseaux S.**, Hartmann A and Soulas G (2001) Isolation and characterization of new Gram negative and Gram positive atrazine degrading bacteria from different French soils. *FEMS Microbiology Ecology* 36: 211-222. **(IF 3.598)**
- 2-Rousseaux S**, Soulas G and Hartmann A (2002) Plasmid localization of atrazine-degrading genes in newly described *Chelatobacter* and *Arthrobacter* strains. *FEMS Microbiology Ecology* 41: 69-75. **(IF 3.598)**
- 3-Piutti S**, Hallet S, **Rousseaux S**, Soulas G and Martin-Laurent F (2002) Accelerated biodegradation of atrazine in soil cultivated with maize. *Biology and Fertility of Soils* 36: 434-441. **(IF 1.757)**
- 4-Rousseaux S**, Hartmann A, Lagacherie B, Piutti S, Andreux F and Soulas G (2003) Inoculation of an atrazine-degrading strain, *Chelatobacter heintzii* Cit1, in four different soils: effects of different inoculum densities. *Chemosphere* 51 : 569-576. **(IF 3,253)**
- 5-Rousseaux S**, Hartmann A, Rouard N and Soulas G (2003) A simplified procedure for terminal restriction fragment length polymorphism analysis of the soil bacterial community to study the effects of pesticides on the soil microflora using 4,6-dinitroorthocresol as a test case. *Biology and Fertility of Soils* 37: 250-254. **(IF 1.757)**
- 6-Olier M**, Pierre F, **Rousseaux S**, Lemaître JP, Rousset A, Piveteau P and Guzzo J (2003) Involvement of the surface protein internalin in the human carriage of *Listeria monocytogenes*. *Infection and Immunity* 71: 1217-1224. **(IF 4.205)**
- 7-Rousseaux S**, Olier M, Lemaître JP, Piveteau P and Guzzo J (2004) Use of PCR-RFLP for rapid screening of *Listeria monocytogenes* strains deficient in the ability to invade Caco-2 Cells. *Applied and Environmental Microbiology* 70(4):2180-5. **(IF 3.686)**
- 8-Olier M**, **Rousseaux S**, Piveteau P, Lemaître JP, Rousset A and Guzzo J (2004) Screening of glutamate decarboxylase activity and bile salt resistance of human asymptomatic carriage, clinical, food and environmental isolates of *Listeria monocytogenes*. *International Journal of Food Microbiology* 93(1):87-99. **(IF 3.011)**
- 9-Olier M**, Garmyn D, **Rousseaux S**, Lemaitre JP, Piveteau P and Guzzo J (2005) Truncated internalin A and asymptomatic *Listeria monocytogenes* carriage: in vivo investigation by allelic exchange. *Infection and Immunity*. J73(1):644-8 . **(IF 4,205)**
- 10-Lemunier M**, Francou C, **Rousseaux S**, Houot S, Dantigny P, Piveteau P and Guzzo J (2005) Long-term survival of pathogenic and sanitation indicator bacteria in experimental biowaste composts. *Applied and Environmental Microbiology* 71(10):5779-86. **(IF 3.686)**
- 11-Thevenot M**, Dousset S, **Rousseaux S** and Andreux F (2008) Influence of organic amendments on diuron leaching through an acidic and a calcareous vineyard soil using undisturbed lysimeters *Environmental Pollution* 153(1): 148-156 **(IF 3,426)**
- 12-Paniel N**, **Rousseaux S**, Gourland P, Pointrenaud M and Guzzo J (2010) Assessment of survival of *Listeria monocytogenes*, *Salmonella* *Infantis* and *Enterococcus faecalis* artificially inoculated into experimental waste or compost. *Journal of Applied Microbiology* 108 : 1797-1809 **(IF 2.098)**
- 13-Diguta CF**, **Rousseaux S**, Weidmann S, Bretin N, Vincent B, Guilloux-Bénatier M and Alexandre H (2010) Development of a qPCR assay for specific quantification of *Botrytis cinerea* on grapes. *FEMS Microbiology Letters*, 313: 81-87. **(IF 2,199)**

- 14-** Diguta CF, Vincent B, Guilloux-Bénatier M, Alexandre H and **Rousseaux S** (2011) PCR ITS-RFLP: a useful method for identifying filamentous fungi isolates on grapes. *Food Microbiology* 28:1145-1154. **(IF 3,2)**
- 15-** Sadoudi M, Tourdot-Maréchal R, **Rousseaux S**, Steyer D, Gallardo-Chacón JJ, Ballester J, Vichi S, Schneider R, Caixach J and Alexandre H (2012) Yeast-yeast interactions revealed by aromatic profile analysis of Sauvignon wine fermented by single or co-culture of non-*Saccharomyces* and *Saccharomyces* yeasts. *Food Microbiology in press* **(IF 3,2)**
- 16- Rousseaux S**, Diguta CF, Radoi-Matei F, Alexandre H and Guilloux-Bénatier M (2012) The fungal ecology of grape berries. Soumis à *Food Microbiology*