

## Personal information

E-mail

Position

Academic Degrees

## CARBONNEAU Alain

[carbonne@supagro.inra.fr](mailto:carbonne@supagro.inra.fr)

1993-2009 The Professor of Viticulture of Montpellier SupAgro, France

2007 Professor 'exceptional class' (Ministry of Agriculture)

1993 Professor of Viticulture of ENSA Montpellier (traditional position in France)

1992 'Habilitation à Diriger les Recherches' (highest degree) University of Bordeaux 2

1980 'Doctorat d'Enologie option Ampélogie' (PhD) University of Bordeaux 2

1971 'Ingénieur Agronome' ENSA Montpellier and 'Diplôme d'Etudes Approfondies' University of Montpellier (Master of Science)

## Professional experience

2008-2009 President of 'Group of *international* Experts of vitivincultural Systems and CoOperation - GESCO

2007-2009 'Chargé de mission' of Vine&Wine International Projects (ie : EMaVE)

2005-2009 Director of the traditional review 'le Progrès Agricole et Viticole' SARL

2004-2009 Private International Expert of Vineyard Development and Wine 'Cuvées'

2004-2006 Director-Founder of 'Institut des Hautes Etudes de la Vigne et du Vin - IHEV'

1992-2009 The Professor of Viticulture of ENSA Montpellier / Montpellier SupAgro

1979-2007 Animator-President of 'Groupe d'Etude des Systèmes de CONduite de la vigne - GESCO'

1972-1992 Researcher INRA Bordeaux, Director-Founder of 'Institut de la Vigne de Bordeaux'

## Teaching

'Ingénieur Agronome' - Specialisation of Viticulture-Enology, 'Master National Vigne et Vin', European Master in Viticulture and Enology - *Vinifera* :

Lectures : General Viticulture, Vine Physiology, Vineyard Climatology, Vineyard Management, Viticultural Terroirs, Sustainable Viticulture (General Environment, Adaptation of Varieties and Training Systems) + organizing visits and sensory analysis training

Tutoring: Engineer & Master Thesis, PhD

## Research : 5 selected recent publications

**Total:** 400 publications (including: 130 scientific original, 155 as invited speaker, 2 books, 12 chapters of books), Editor of 'le Progrès Agricole et Viticole' and GESCO proceedings

**Major discovery:** role of Vine architecture on microclimate, physiology, berry & wine quality

WANG Z., DELOIRE A., CARBONNEAU A., FEDERSPIEL B., LOPEZ F., 2003. An *in vivo* Experimental System to Study Phloem Unloading in Ripening Grape Berries During Water Deficiency Stress. **Annals of Botany**, 92, 523-528.

CARBONNEAU A., COSTANZA P., 2004. Response of vine leaf water potential to quick variation in canopy exposure. Example of canopy opening manipulation of Merlot (*Vitis vinifera* L.). **J. Int. Sci. Vigne Vin**, 38 (1), 27-33, et **C. R. GESCO**, 13.

TONIETTO J., CARBONNEAU A., 2004. A multicriteria climatic classification system for grape-growing regions worldwide. **Agricultural and Forest Meteorology**, 124 (1-2), 81-97.

CARBONNEAU A., OJEDA H., SAMSON A., PACOS J., JOLIVOT A., HEYWANG M., 2006. Chaîne méthodologique d'analyse de la qualité : exemple du bilan vitivinicole des essais de conduite de la Syrah en terroir sec à l'Unité Expérimentale de Pech Rouge. **CR GESCO 14, Progr. Agric. Vitic.** (Comité de Lecture), 123 (15-16), 291-301.

CARBONNEAU A., DELOIRE A., JAILLARD B., 2007. La Vigne : Physiologie, Terroir, Culture. **Dunod Ed.**, 442 p + annexes.

## Memberships

**Peer reviewing :** Progrès Agricole et Viticole, Vitis, Journal International des Sciences de la Vigne et du Vin

**Scientific Societies :**

Group of *international* Experts of vitivincultural Systems and CoOperation - GESCO

Organisation internationale de la Vigne et du Vin - OIV (official Expert)

International Society for Horticultural Science (Viticulture)

Academies of Vine in Switzerland, Italy, Portugal (awards)

**Professional Associations&Confraternities**