



## **Eduardo Pablo Cappa**

University of Buenos Aires

Department of Animal Production

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### **Research Interests**

Mixed linear models, Statistical methods and Quantitative Genetics in tree breeding, Bayesian inference about parameters of linear models, and Computational aspects with applications to Forest Genetic Evaluations.

### **Personal**

Born: March 6, 1970 in Buenos Aires, Argentina.

Citizenships: Argentinean and Italian.

Family status: single.

### **Education**

#### **Ph D in Agricultural Sciences, June 2007.**

School of Agronomy. University of Buenos Aires. Argentina.

Defense: 22/06/07.

Thesis Title: Bayesian inference in mixed models with missing records, genetic competition effects and spatial trend for forest genetics evaluations. Adviser: Dr. Rodolfo J.C. Cantet.

#### **BS in Agriculture (Ingeniero Agrónomo), July 1997.**

School of Agronomy, University of Buenos Aires. Argentina.

Acknowledgement of degree in Italy ("*Gazzetta Ufficiale*" 03/03/03 N° 51).

### **Relevant Work and Research Experience**

**Graduate Research Assistant, 04/96 – 03/02.** Forestry Research and Experimentation Centre ("Centro de Investigaciones y Experiencias Forestales", CIEF). Co-coordination and development of experimental field works for *Eucalyptus*, *Pinus*, *Poplar* and *Willow* Breeding Programmers among board, pulp and sawmill companies:

- Phenotypic and genetic selection in commercial plantation and multi-site species/provenance progeny trails.
- Implantation of trial in nursery and control of seedling.
- Assist with vegetative propagation (cuttings, grafted and micro-propagation).
- Experimental design, establishment and measurement of multi-site species/provenance and genetic trials.
- Management, analysis and reporting on species/provenance, and genetic trials.
- Establishment and management of seedlings and clonal seed orchard.
- Study of quality of wood, including determination of basic density and whiteness.

**Consulting for the *Eucalyptus dunnii* and *Eucalyptus viminalis* Breeding Program, 02/98 – 07/99.** National Institute for Agriculture Technology of Argentina - Forestry Research and Experimentation Centre.

## **Publications**

### **Journal Publications**

**Cappa Eduardo P.**; Rodolfo J. C. Cantet. (2006). Bayesian inference for normal multiple trait individual tree models with missing records via Full Conjugate Gibbs. Canadian Journal of Forest Research, **36**: 1276-1285.

**Cappa Eduardo P.**; Rodolfo J. C. Cantet. (2007). Direct and competition additive effects in tree breeding: Bayesian estimation from an individual tree mixed model. *Silvae Genetica (Accepted)*.

**Cappa Eduardo P.**; Rodolfo J. C. Cantet. (2007). Bayesian estimation of a surface to account for a spatial trend using penalized splines in an individual-tree mixed model. Canadian Journal of Forest Research, (*in press*).

Cantet, R. J. C.; Suárez, M. J.; Munilla Leguizamón, S.; **Cappa, E. P.**; Birchmeier, A. N. (2007). Evidence for Autoregressive Conditional Heteroskedastic errors in growth traits of beef cattle. Archiv für Tierzucht. (*in press*).

**Scientific Meetings Publications: 12    Invited Presentations: 4**

## **Teaching Experience**

Collaborations in graduate courses: Linear Algebra, Linear Regression, Mixed linear Models.

## **Postgraduate Course**

Calculus I and II, Linear Algebra I and II, Statistical Theory I, Linear Models, Analysis of Variance, Introduction to Multivariate Analysis, Mixed linear Models, Applications of mixed linear models to animal and plant genetic evaluations, Linear Regression, Nonparametric regression, Likelihood and Bayesian Estimation, Computing with FORTRAN for statistical models, Quantitative Genetics, Populations Genetics, Forest Genetics.

## **Professional Affiliations**

Grupo Argentino de Biometría (GAB).  
International Biometric Society (IBS).

## **Foreign Languages**

Spanish, native language.  
Italian, second language.  
English, reading and speaking.

## **Other skills**

Programming in FORTRAN 77, R and SAS.  
Website design.

## **Fellowships**

12/02 – 08/06, Fondo para la Investigación Científica y Tecnología (FONCyT).