

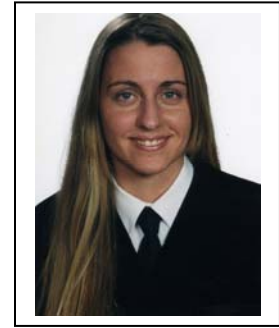


Welcome to the Department of

Agricultural and Biosystems Engineering



Graduate Student: Lidia Esteve Agelet
1545 Food science building
Phone: 515-294-8319
Email: lesteve@iastate.edu



Major Professor: Dr Charles Hurburgh Jr.

Degree Sought: Masters (fall 2006) (ISU)

Research Project Title:

Permeation studies of PVC pipes with Near Infrared (NIR)

Research Objectives / Purpose:

- 1) Develop a NIR calibration for toluene and/or benzene to predict permeation status of pipes which have been exposed to solvent.
- 2) Develop a calibration which will predict future permeation performance of PVC pipes.

Anticipated Benefits or Goals of Research:

Recent Publications / Posters / Presentations:

Leaching of a Veterinary Antibiotic through Soil Columns –April 2005

Model for GMO Impurity Qualification in Soybeans Seed Production – 4-25-2005

Sugar Measurement in Soybeans Using NIR – April 2006

Predication of PVC Pipes Performance Under Permeation Conditions – 8-4-2006

Predication of PVC Pipes Performance Under Permeation Conditions – 8-4-2006

Measurement of Organic Solvent Permeation through PVC Pipe with Near Infrared Spectroscopy – February 2007

Cell Packing Indicator – 12-6-2007

Other Education Degrees:

- (Superior -**master equivalent**) Agricultural Engineering, field of soils and environment (2004) in the “Escola tecnica I superior d’enginyeria agraria (ETSEA)”, University of Lleida (UDL) (Spain).
Project title: Tylosin Leaching in Four Representative Soils from Iowa
- (Technical) Engineering in food industries and agriculture (2002) in the “Escola tecnica I superior d’enginyeria agraria (ETSEA)”, University of Lleida (UDL) (Spain).
Project title: Enzimatic peeling of grapefruit

Professional Affiliations:

- Member of Alpha Epsilon honor society of Agricultural Engineering

Vita: