



José Fernando Guarín Montoya

📍 Carrera 75 # 65-87, Facultad de Ciencias Agrarias, UdeA, Medellín

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Born 26 January 1977

WORK EXPERIENCE

Apr 2008 – present

Professor – Facultad de Ciencias Agrarias

Universidad de Antioquia, Medellín, Colombia

- Developed syllabus and overall course structure, and administer all grades.
- Taught: Animal Nutrition, Animal reproduction, Lactation Biology, Computer Science for Agronomy
- Taught both Graduate and Undergraduate classes

Jul 2008 – Dec 2008

Department Chair at Industrias Pecuarias & Professor – Facultad de Ciencias Agrarias

Corporación Universitaria Lasallista, Caldas, Colombia

- Developed syllabus and overall course structure, and administer all grades,
- Taught: Water Buffalo Production Systems

EDUCATION

2011 – 2016

Ph.D. in Dairy Science

University of Wisconsin, Madison, WI, USA

- Dissertation: "Milking Management and Teat Related Risk Factors in the Development of Clinical Mastitis"

2006 – 2008

MSci. Agronomia Area Ciencia Animal e Pastagens

ESALQ/Universidade de São Paulo, Piracicaba, SP, Brazil

- Thesis: "Eficiencia do uso de medidor de atividade eletrônica na detecção de cio de vacas leiteiras de alta produção"

2005 – 2008

Bachelors's degree in Zootecnia (Animal Science)

Universidad de Antioquia, Medellín, AN, Colombia

- Thesis: Evolución de un Protocolo (Ovsynch) de Inseminación Artificial a Tiempo Fijo en Búfalas de Agua (*Bubalus bubalis*)

SKILLS

Languages

Spanish – Native thong

English – Speak fluently, write and read with high proficiency

- Internet-based Test (TOELF Ibt): 101 points

Portuguese – Speak fluently, write and read with high proficiency

Italian – Speak and read with basic proficiency

Research Interest

Mastitis

Bovine Reproductive Physiology

Dairy Management (Human Resources)

Animal Nutrition

AWARDS

- 2011 Biological Sciences School Award Department of Dairy Science University of Wisconsin-Madison
- 2011 Reconocimiento de la excelencia académica como beneficiario programa de formación doctoral "Francisco José de Caldas" - COLCIENCIAS
- 2007 Bolsa de Estudos - Fundacao de Estudos Luiz de Queiroz ESALQ
- 2007 Premio Mejor Poster, 44° Reuniao Sociedade Brasileira de Zootecnia

FIVE PUBLICATIONS

- 2017 Guarín, JF, Baumberger, C and Ruegg, PL. Anatomical characteristics of teats and premilking bacterial counts of teat skin swabs of primiparous cows exposed to different types of bedding. J. Dairy Sci. 100(2), 1436–1444.
- 2017 Guarín, JF, Paixão, MG and Ruegg, PL. Association of anatomical characteristics of teats with quarter-level somatic cell count. J. Dairy Sci. 100(1), 643–652.
- 2016 Guarín, JF and Ruegg, PL. Pre-and postmilking anatomical characteristics of teats and their associations with risk of clinical mastitis in dairy cows. J. Dairy Sci. 99(10), 8323–8329.
- 2016 Baumberger, C, Guarín, JF and Ruegg, PL. Effect of 2 different premilking teat sanitation routines on reduction of bacterial counts on teat skin of cows on commercial dairy farms. J. Dairy Sci. 99(4), 2915–2929.
- 2009 Roma Júnior, LC, Montoya, JFG, Martins, TT, Cassoli, LD and Machado, PF. Seasonability of protein and others milk components related with quality payment program Arquivo Brasileiro de Medicina Veterinária e Zootecnia 61(6), 1411–1418.

MEMBERSHIPS

- ADSA American Dairy Science Association
- COMVEZCOL Consejo Profesional de Medicina Veterinaria y Zootecnia de Colombia