

CURRICULUM VITAE

Personal information

- Name: **Héctor Estrada Medina**
- Current address: 3648 Mount Vernon Ave. Riverside, CA 92507, USA.
- Office: Geology Building 2413. Universidad de California Riverside
- Office phone: (951) 827-3711. Fax: (951) 827-3993
- E-mail: hestr001@student.ucr.edu, hestr001@gmail.com

Research interests

Management of natural resources with emphasis on dry tropical forest
Bedrock-soil-plant water relationships in natural soils and agroecological systems
Pedogenesis and agricultural management of soils

Professional experience

Guest Researcher. Departamento de Manejo y Conservación de Recursos Naturales Tropicales (PROTROPICO). Facultad de Medicina Veterinaria y Zootecnia. Universidad Autónoma de Yucatán. From January 2001 to September 2004.

Education

- 1991-1995. Bachelor's on Biology. Facultad de Estudios Superiores "Zaragoza" – Universidad Nacional Autónoma de México; México, D.F.
- 1997-1999. Master on Management and Conservation of Tropical Natural Resources. Facultad de Medicina Veterinaria y Zootecnia, Universidad Autónoma de Yucatán, México.
- 2004-current. Ph D candidate at University of California Riverside, Soil and Water Sciences program.

Relevant poster presentations

- **Héctor Estrada Medina**, Robert C. Graham, Michael F. Allen and Juan Jose María Jiménez Osornio. 2006. Soil-like properties of limestone in Yucatán, México. 18th World Congress of Soil Science. July 9-15, 2006. Philadelphia, USA.
- **Héctor Estrada Medina**, Ignacio Querejeta, Michael F. Allen, Juan José María Jiménez-Osornio and María del Rocío Ruenes. 2006. Water source partitioning among Mexican native trees growing on shallow karst soils in a seasonally dry tropical climate. Ecological Society of America international meeting. Ecology in an era of globalization: challenges and opportunities for environmental scientists in the Americas. Mérida, Yucatán, México. January 8-12, 2006.
- **Héctor Estrada Medina**, Robert C. Graham, Michael F. Allen and Juan Jose María Jiménez Osornio. 2006. Karstic Features, water dynamics and tree development in Yucatán, Mexico. Ecological Society of America international meeting. Mérida, Yucatán, México. January 8-12, 2006.
- **Héctor Estrada Medina**, Robert C. Graham, Michael F. Allen and Juan Jose María Jiménez Osornio. 2005. Karstic Features and Tree Root Development in Yucatán, México. 2005 ASA-CSSA-SSSA International Annual Meetings Salt Lake City, UT - November 6 - 10, 2005.

Recent training courses

- Summer school 2006: “Impact of Global Change on Land Use Management in Latin American Tropical Ecosystems”. University of Gottingen, Germany. July 19-29, 2006.
- Stable Isotope Ecology course. University of Utah, USA. June 11-23, 2006
- Summer school 2005: “Integrated Management of natural Resources in the Tropics”. University of Gottingen, Germany. September 18-30, 2005.

Recent publications

- J. I. Querejeta, **H. Estrada-Medina**, M. F. Allen, J. J. Jiménez-Osornio, R. Ruenes. 2006. Utilization of bedrock water by *Brosimum alicastrum* trees growing on shallow soil atop limestone in a dry tropical climate. *Plant and soil*, 287:187–197.
- J. I. Querejeta, **H. Estrada-Medina**, M. F. Allen, J. J. Jiménez-Osornio. 2007. Water source partitioning among Mexican native trees growing on shallow karst soils in a seasonally dry tropical climate. *Oecologia* 152:26-36.

Profesional societies

Soil Society of America. Since 2005.

The Ecological Society of America. Since 2005.

Teaching experience

2000-2004 Universidad Autónoma de Yucatán (Biology program)

- Protection of flora and fauna workshop; Introduction to geographical information systems and remote sensing; Ecological ordinance of the territory.

Project collaborations

Project: Management and water dynamics during the establishment of tree species in agroforestry systems under dry tropic conditions. July 2001- September 2003.

Languages

Spanish: Native language. English: Fluid.

Academic awards

- CONACYT- UC-MEXUS fellowship to realize doctoral studies at the University of California-Riverside (three years). USA.
- CONACyT fellowship-credit to realize Master studies at the Facultad de Medicina Veterinaria y Zootecnia. Mérida, Yucatán, México (two years).
- Academic interchange scholarship UNAM - UADY to realize bachelor's thesis at the Facultad de Medicina Veterinaria y Zootecnia. Mérida, Yucatán, México (one year).