
Curriculum Vitae

Personal

David Matamoros Camposano
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Born 25/02/1964 (Guayaquil, Ecuador)
Married to Tania García Pérez
Children: Mariela and David

Education

- 1981 – 1987 B.Sc. in Geotechnical Engineering at Escuela Superior Politécnica del Litoral, Faculty of Earth Sciences, Guayaquil, Ecuador.
- 1993 – 1995 M.Sc. at University of New Orleans, Faculty of Engineering, Department of Civil and Environmental Engineering, New Orleans, United States.
- 2000 – 2003 Ph.D. training in Applied Biological Sciences, Ghent University, Ghent, Belgium.

Additional Courses

- 2000 Land information systems (GIS): Ghent University, Belgium
- 2000 Ecotoxicology: Ghent University, Belgium
- 2000 Easy PC logging and instrument control: Ghent University, Belgium
- 2000 Modelling biosystem dynamics: Ghent University, Belgium
- 2000 Bioinformatics: Ghent University, Belgium
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Study visits

- 2001 – 2002 Escuela Superior Politécnica del Litoral, VLIR – ESPOL Programme, Guayaquil, Ecuador.
- Collecting water quality data, assessing water quality problems and evaluating the application of river water quality models in Chaguana River Basin, Ecuador.

Employment

- 2000 – Present Department of Applied Mathematics, Biometrics and Process Control (BIOMATH), Faculty of Agricultural and Applied Biological Sciences, Ghent University, Belgium. Ph.D. student.
Research project: Predicting pesticide concentrations from Ecuadorian banana plantations.
- 1995 – 2000 Escuela Superior Politecnica del Litoral, Faculty of Earth Sciences, Lecturer in Civil Engineering Department, Guayaquil, Ecuador.
- 1995 – 1999 EFFICACITAS Environmental Consultant Company, Consultant Project Engineer, Guayaquil, Ecuador
- 1993 – 1995 University of New Orleans, Faculty of Engineering, Department of Civil and Environmental Engineering, Research Assistant, New Orleans, USA
- 1991 – 1993 Several Public and Private Engineering Firms, Independent Consultant, Guayaquil, Ecuador
- 1987 – 1991 CONSULNAC Inc. Soil Mechanics Laboratory, Senior Lab Assistant, Guayaquil, Ecuador.
- 1984 – 1986 University of Guayaquil, Institute of Advanced Research, Research Assistant.

Prizes

- 2003 First prize for the best paper presentation on the 2nd Science Workshop ESPOLCIENCIA, Escuela Superior Politécnica del Litoral, Guayaquil, Ecuador.

Membership of professional organizations

- 2002 – Present International Water Association (IWA)

Publications

- Herrera P., Matamoros D., Espinel R., Comejo M.P., Vanhuylbroeck G., Van Biesen L., Cisneros Z., Duque J. and Vanrolleghem P.A. (2004). Information use, and water resources laws and policies in Ecuador. In: *Hydrology and Water Law - Bridging the Gap*. UNESCO – IWA (*in press*).
- Matamoros D., Van Biesen L. and Vanrolleghem P.A. (2004). Development of a geographical information system for pesticide assessment on an ecuadorian watershed. In: *IWA World Congress and Exhibition*, September 19–24 2004, Marrakech, Morocco, (*accepted for presentation*).
- Matamoros D., Guzman E., Bonini J. and Vanrolleghem P.A. (2004). AGNPS and SWAT Model Calibration for Hydrologic Modelling of an Ecuadorian River Basin under Data Scarcity. In: *IWA World Congress and Exhibition*, September 19–24 2004, Marrakech, Morocco, (*submitted*).
- Verdonck F.A.M., Deksissa T., Matamoros D. and Vanrolleghem P.A. (2003). Dealing with variability in chemical exposure modelling in rivers. *Environmental pollution*, (*submitted*).
- Matamoros D., Bonini J., Guzman E., Ramirez G. and Vanrolleghem P.A. (2002) Design and implementation of a measuring campaign to model pesticide impacts in an Ecuadorian watershed. *Wat. Sci. Tech.*, **46** (9), 37-45.
- Verdonck F. A. M., Deksissa T., Matamoros D., Vandenberghe V. and Vanrolleghem P.A. (2002). Spatio-temporal probabilistic environmental modelling. *Med. Fac. Landbouww. Univ. Gent*, **67** (4), 205-208.

Cornejo M. P., Matamoros D., Bayot B., Apolo I., Nolivos I., Cisneros Z. and Van Biesen L. (2002). Management of environmental problems through geographical information systems (GIS) in Ecuador. In: Proceedings of the International Conference BITWORLD 2002, Guayaquil, Ecuador, June 2002.

Matamoros D. and Vanrolleghem P.A. (2001) Pesticide assessment of the banana sector in an Ecuadorian watershed. *Med. Fac. Landbouww. Univ. Gent*, **66** (2b), 863-872.

International conferences and symposiums

IWA World Congress and Water Exhibition, Marrakech, Morocco, 19 – 23 September 2004 (accepted Oral presentation)

2nd Science Congress ESPOLCIENCIA, Escuela Superior Politécnica del Litoral, 13 November 2003, Guayaquil, Ecuador (Oral presentation).

5th World Congress on Information Technology BITWORLD, 3 – 5 June 2002, Guayaquil, Ecuador. (Oral and Poster presentation)

54th International Symposium on Crop Protection. 8 may 2002, Gent, Belgium.

IWA World Congress “Water & Wastewater Management for Developing Countries”, Kuala Lumpur, Malaysia, 26 – 27 October 2001 (Oral presentation)

International Seminar on Integrated River Basin Management – Seminario Internacional sobre Manejo Integral de Cuencas Hidrográficas (SIMICH 2001). Rosario, Argentina, 1 – 4 October 2001. (Poster presentation)

53rd International Symposium on Crop Protection. 8 May 2001, Gent, Belgium. (Poster presentation)

5th International Symposium, Systems analysis and computing in water quality management, WATERMATEX 2000, 18 – 20 September 2000, Gent, Belgium.