

356 Daniel Street.
Peterborough, ON
K9K 1C5
Canada

Phone (705)-740-9030
Fax
E-mail: daariachacordero@trentu.ca

Darío Achá Cordero

Personal Information

- Nationality: Bolivian
- Birth place: La Paz – Bolivia
- Birth: November 14 of 1978

Education

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| 2004 | Bachelor on Biological Sciences on Universidad Mayor de San Andrés from La Paz – Bolivia. |
| 2002 | International Course of “Aplicaciones de la Biología Molecular en la Microbiología Ambiental” (Molecular Biology Applications on Environmental Microbiology) supported and organized by the American Society for Microbiology and the graduate program of Biological and Biomedical Sciences at Universidad Mayor de San Andrés. La Paz – Bolivia |
| 2002 | International Course of “Ecotoxicology and new perspectives on scientific research for a better life quality in South American countries” supported and organized by the graduate program of Biological and Biomedical Sciences at Universidad Mayor de San Andrés and the National Committee of Biotechnology. La Paz – Bolivia |
| 2001 | Graduate International Course “Introducción de Marcadores Moleculares aplicados a Plantas” (Introduction to molecular markers applied to plants) at Universidad Mayor de San Andrés La Paz – Bolivia. |
| 2001 | 1° Course of Molecular Genetics supported and organized by the Faculty of Pharmacy and Biochemistry Universidad Mayor de San Andrés and Clinical Biochemistry society. La Paz – Bolivia. |
| 2001 | Iberoamerican Course Workshop “Nuevas Dianas en Malaria, Inflamación y Cáncer” by the Institute of Pharmac and Biochemical Investigations (Instituto de investigaciones farmaco bioquímicas) at Faculty of Pharmacy and Biochemistry Universidad Mayor de San Andrés. |
| 1995 - 1997 | International Baccalaureate Bilingual Diploma (Spanish and English) at Lester B. Pearson United World College of the Pacific. Victoria, B. C. – Canadá |

Awards

- 2005 Research Fellowship at Trent University Canada
- 2002 Award of Excellence as the best student in Biology at Universidad Mayor de San Andrés.
- 2001 Honor Diploma from Universidad Mayor de San Andrés to the maximum grades during 2000-01
- 2001 Award of Excellence as the best student in Biology at Universidad Mayor de San Andrés.
- 1997 Full Scholarship to the second “World Scholar-Athlete Games”
- 1995 Full Scholarship to Lester B. Pearson United World College of the Pacific to complete International Baccalaureate

Experience

- 2005 Laboratory Instructor at the Analytical Chemistry course CHEM 240 at Trent University. Perterborough – Canada.
- 2002 Laboratory Instructor at the International Course of “Aplicaciones de la Biología Molecular en la Microbiología Ambiental” (Molecular Biology Applications on Environmental Microbiology) supported and organized by the American Society for Microbiology and the graduate program of Biological and Biomedical Sciences at Universidad Mayor de San Andrés. La Paz – Bolivia
- 2002 Consultant assistant at the Foundation to Ecology Development (FUND-ECO) in a presentation about Biodiversity Diagnostic on Andean Countries and The Biodiversity Strategy Proposal to Andean Countries. La Paz – Bolivia
- 2000 Editor at Revista Estudiantil de Biología (<http://revbio.go.to>) La Paz – Bolivia
- 2000 Consultant at the Foundation to Ecology Development (FUND-ECO) in the Environmental Diagnostic (Base line) of the Desaguadero River Oil Spill La Paz – Bolivia
- 2000 Consultant to develop web pages for Ecology Institute from Universidad Mayor de San Andrés (<http://insteco.go.to>) and Journal Ecología en Bolivia (<http://revistaecologia.bo.go.to>).

Publications

- Acha, D.**, V. Iniguez, M. Roulet, J. R. Guimaraes, R. Luna, L. Alanoca, and S. Sanchez. 2005. Sulfate-reducing bacteria in floating macrophyte rhizospheres from an Amazonian floodplain lake in Bolivia and their association with Hg methylation. *Appl Environ Microbiol* 71:7531-5.
- Miranda, M., J. Guimaraes, M. Roulet, **D. Acha**, S. Coelho- Souza, J. Mauro, and V. Iniguez. 2004. Mercury methylation and bacterial activity in macrophyte associated periphyton in floodplain lakes of the Amazon basin. *Materials and Geoenvironment* 52:1218-1220.
- Acha, D.**, V. Iniguez, M. Roulet, J. Guimaraes, R. Luna, L. Alanoca, and S. Sanchez. 2004. Methyl Mercury and Sulfate-Reducing Bacteria in the Floating Macrophyte Rizosphere from an Amazonian Floodplain Lake, Bolivia. *Materials and Geoenvironment* 51:767-768.
- Roulet, M., J. R. D. Guimarts, L. Alanoca, M. Rodrigues, S. Sanchez, V. Iniguez, **D. Acha**, R. Luna, and J. Chincheros. 2004. Methyl Mercury Production in Sediment from Floodplain Lakes in the Bolivian Amazon. *Materials and Geoenvironment* 51:1355.
- Acha, D.**, Iniguez, V., Roulet, M., Guimaraes, J. R. D., Luna, R., Alanoca, L., and S. Sanchez 2004 Methyl mercury and sulfate-reducing bacteria in the floating macrophyte rizosphere from an Amazonian floodplain lake, Bolivia. 7th International Conference on Mercury as A Global Pollutant. Ljubljana, Slovenia.
- Achá, C. D.**, R. F. Fontúrbel, E. C. Mendoza and C. A. Molina (2002) Fisiología del buceo en vertebrados. *Revista Estudiantil de Biología*, **3**, 29-54.
- Fontúrbel, R. F. and **C. D. Achá** (2002) Empleo del método de determinación de biomasa microbiana por fumigación-extracción para el estudio de los suelos del altiplano boliviano contaminados por hidrocarburos. *Ciencia Abierta*, **18**, <http://www.cec.uchile.cl/~cabiarta/revista/18/articulos/pdf/paper2.pdf>
- Fontúrbel, R.F. and **C. D. Achá** (2001) Diferenciación y Regeneración en *Dugesia sp.* (Turbellaria, Platyhelminthes). *Revista Estudiantil de Biología*, **2**, 5-11
- Achá, C.D.** and M.C. Ruiz (2001) Efecto de los Hidrocarburos Sobre la Diversidad de Microorganismos en Suelos Altiplánicos y Detección de Microorganismos Degradadores de Hidrocarburos. *II Congreso Boliviano de la Ciencia del Suelo: "El Recurso suelo y su manejo sostenible para su*

ordenamiento territorial en el nuevo milenio". Sociedad Boliviana de la Ciencia del Suelo, Cochabamba – Bolivia.

Achá, C.D. and R.F. Fonturbel (2000) Las Plantas C3, C4 y CAM. *Revista Estudiantil de Biología*, **1**, 28-33.

Achá, C.D., Fonturbel, R.F., Mondaca, G.D. and Zambrana, F.I. (1999) *Introducción a la Botánica: Manual Universitario*. Laboratorio de Biología "San Calixto", La Paz. p. 137