

## SHORT CURRICULUM VITAE

Adolfo Posadas,

Filiations: Since 2001

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International Potato Center(CIP)/CGIAR  
Regional Scientist, IRS  
Production Systems and the Environment  
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(Visiting Scientist)

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### ***EDUCATION***

Post Doc: Department of Environmental Science, Rutgers University, New Brunswick, N.J., 1999 - 2001, USA.

Ph.D. in Applied Physics: Institute of Physics and Chemistry, University of São Paulo – USP, SP- Brazil, March 1994.

M.Sc. in Applied Physics: Institute of Physics and Chemistry, University of São Paulo- USP, SP- Brazil, June 1990.

B.Sc. and Lic. in Physics: Department of Physics, Faculty of Science, National Engineering University, Lima – Peru, 1980 and 1985.

### ***PREVIOUS POSITIONS***

**Principal Professor:** (Part-Time), Department of Interdisciplinary Physics, “Universidad Nacional Mayor de San Marcos”, from April 2001 to February 2008.

**Visiting Professor:** Universidad Nacional Agraria de La Molina – Ph.D. Program of Biological Science and Engineering (PDCIB) since April 2007.

**Visiting Associate Professor:** Department of Biosystems and Agricultural Engineering, University of Minnesota. From December 1998 to April 1999. .

**Associate Professor:** Department of Physics, Ponta Grossa State University, Parana, Brazil. From March 1996 to March 1998.

### ***PROJECTS IN PROGRESS***

- Achieving Sustainable Rural Development in the Peru-Bolivia Altiplano through the Improvement of Andean Agriculture: CIDA – NRM – CIP. 2007 – 2010.

- Pronóstico estacional de lluvias y temperaturas en la cuenca del río Mantaro para su aplicación en la agricultura. 2007 – 2010. INCAGRO – IGP – CIP.

- Scaling, Fractals and Complex Systems: developing a laboratory at PSE – CIP.

- Agricultura de Precisión para la Producción de Cultivos de Seguridad Alimentaria y de Agro Exportación. 2008-2010. CIP-PUCP (Peru) and BID-FINCyT (Peru)

- The agriculture as a dynamic complex system: introduction of new tools for its characterization, modeling and simulation: CIP-EMBRAPA joint research project, 2008-2010,

Embrapa/Agricultural Instrumentation – PSE, Sao Carlos, SP, Brazil and La Molina, Lima, with the participation of: IFSC-USP, SP and Department of Environmental Science, Rutgers University, NJ.

- Studies of carbon sequestration in soils as function of height, rainfall and temperature gradient in cultivate and native zones at the Andes from Peru and Bolivia. CIP-EMBRAPA joint research project, 2008-2010, Embrapa Agricultural Instrumentation – PSE, Sao Carlos, SP, Brazil and La Molina, Lima, with the participation of Centro de Energía Nuclear para la Agricultura (CENA), USP, Piracicaba, SP.

- In vivo observation of potato root growth and development using Magnetic Resonance Imaging (MRI). 2008-2010. CIP-EMBRAPA-IFSC-USP joint research project. Embrapa Agricultural Instrumentation and IFSC-USP, MRI lab.

- Enhanced food and income security in SWCA through potato varieties with improved tolerance to abiotic stress. Leader: Dr. Carlo Carli (ICARDA-CIP). 2008-2010. Founding by GTZ.

- “Biofotônica aplicada ao diagnóstico precoce de Greening (HLB)”. Coordinator, Débora Marcondes Bastos Pereira Milori, CNPDIA/Embrapa’s Researcher. 2009-2011. Founding by CNPq-Brazil.

- “GeoTecnologias para inspeção, gerenciamento e análise da Propagação de Greening (HLB) nos citros”. Coordinator, Dr. Ricardo Yassushi Inamasu, CNPDIA/Embrapa’s Researcher. 2009-2011. Founding by CNPq-Brazil.

### ***SCIENTIFIC PUBLICATIONS, PRESENTATIONS, SCIENTIFIC VISITING, CONFERENCES AND PEER REVIEWER OF JOURNALS***

I have more than 40 publications in ISI Journals, about 60 international conferences presented in congresses and workshops and more than 100 abstracts published in International Symposiums.

I have realized more than 20 Technical-Scientific visits at different Universities and Research Institution in Europe, USA and Latin America. I acted as invited speaker in more than 10 countries and corporations. Also I act as an international consultant of patents. Currently, I act as a peer reviewer of the Journals: Remote Sensing of Environment, Geoderma, Vadose Zone Journal, Nonlinear Processes in Geophysics, “Revista Ciencia e Ingeniería Neogranadina de Colombia”, Soil Science Society of America, Atmospheric Science Letters, Pedosphere Journal and Bio Geosciences Journal.

### ***MEMBERSHIP IN PROFESSIONAL SOCIETIES***

Brazilian Soc. of Physics,  
International Society of Soil Science - ISSS,  
National Geographic Society  
International Association of Hydrological Science.  
Sociedad Peruana de Física.

### ***LANGUAGES***

**Spanish:** native speaker. **English:** Read, Speaks, and Writes. **French:** Read and Writes (fair). **Portuguese:** Read, Speaks, and Writes.

