

CURRICULUM VITAE

Clara Inés Nicholls, Ph.D.



PERSONAL

Nationality at Birth:

Colombian

Present citizenship: US Citizen (dual
Colombian)

ADDRESS

Work

University of California, Berkeley

Laboratory of agroecology

217 Mulford Hall #3112

Berkeley, CA 94720-3112

EDUCATION

B.Sc. (grad.1990)

Universidad Nacional de Colombia, Medellín. Agronomy

Major M.Sc (grad.1994)

Colegio de Postgraduados, Chapingo, México. Entomology

Major Ph.D. (grad.1998)

University of California, Davis. Department of Entomology

Entomology- Biological Control

LANGUAGES

Spanish

(Excellent)

English

(Excellent)

Portuguese

(Fair)

POSITIONS

April –December 1990 Field Entomologist, PROBAN - Banana Plantations. Urabá, Colombia
1990-1992. Research Entomologist in Flower Production, Flores Esmeralda.
Medellín, Colombia

1994-2000 Instructor of Biological Control and Pest Management. Latin American
on Agroecology and Development (CLADES) courses in Guatemala,
Dominican Republic, Chile, Brazil, Colombia, Spain and Italy.

1995-1998 Graduate Student (PhD), Department of Entomology,
University of California, Davis.

1999-May 15, 2000 Home/Community Horticulture Advisor. University of
California Cooperative Extension, Alameda County.

- May 15, 2000-2004 Lecturer on Sustainable Rural Development. Center for Latin American Studies, Stanford University. Palo Alto, California.
- May 15, 2004-present Research associate, Center for the Studies of the Americas CENSA, Berkeley, California.
- May 15, 2000-present Permanent Lecturer on Sustainable Rural Development. Global Studies-, Teaching Program. University of California, Berkeley.
- Sept 1 2005 –present Lecturer on Agriculture, Environment and Development. Environmental Studies. Santa Clara University, California
- June 20, 2010-2015 Adjunct Professor, on Agroecology and Rural Development, Universidad de Antioquia, Colombia.
- January 2011-Present Coordinador of REDAGRES: Red Iberoamericana de Agroecología para el desarrollo de sistemas agrícolas resilientes al cambio climático
- Sept 218-Present Honorary President of the Latin American Scientific Society of Agroecology (SOCLA), a scientific society of more than 700 members from dozens of Universities and research organization in the region promoting agroecologically based rural development programs for food sovereignty.
- Sep 2018- Present Co-Director of CELIA: (Centro Latinoamericano de Investigaciones Agroecológicas) <http://celia.agroeco.org>

HONORARY POSITIONS

- Invited Professor, Universidad Internacional de Andalucía, Baeza, Spain
- Invited Professor, Instituto de Sociología y de Estudios Campesinos. Universidad de Córdoba, Spain
- Invited Professor, Universidad de Lleida, Spain
- Invited Professor, Universidad de Barcelona, Spain
- Invited Professor, Università degli Studi, Perugia, Italy
- Invited Professor, Instituto Agronomico Mediterraneo, Bari, Italy
- Invited Professor, University of Gastronomic Sciences, Pollenzo-Italy, Invited Professor, Universidad Austral de Chile, Valdivia, Chile
- Invited Professor, Universidad Católica de Temuco, Chile
- Invited Professor, Universidad Nacional de Asunción, Paraguay
- Invited Professor, Universidade Federal de Santa Catarina, Florianopolis, SC-Brazil
- Invited Professor, Universidad de Cuenca, Cuenca, Ecuador
- Invited Professor, Universidad Nacional de Colombia, sede- Medellín, Colombia
- Invited Professor, Universidad Nacional Agraria de Nicaragua
- Invited Professor, Universidad de la Matanza, Argentina
- Invited Professor, Schumacher College,

VISITING SCHOLAR POSITIONS

July 1- September 15, 2001	Visiting research scientist. Centro Tropical de Investigación y Enseñanza (CATIE), Turrialba, Costa Rica
September 18-December 15, 2001	Visiting scholar. Universidade Federal de Santa Catarina and EPAGRI, Florianopolis, Santa Catarina, Brazil
September 1-Novemeber 30, 2002	Visiting Scholar. Faculty of Agricultural Sciences University of British Columbia, Vancouver-Canada
March 18- April 30, 2003	Visiting Scholar. Fulbright Senior Specialist. Faculty of Agricultural Sciences, Universidad Austral de Chile, Valdivia, Chile
May 1- July 30, 2003	Visiting Scientist, Food and Agriculture Organization FAO, Rome, Italy
March 6- April 30, 2004	Visiting Scholar. Fulbright Senior Specialist, Faculty of Agricultural Sciences, Universidade Federal de Santa Catarina, Florianopolis, Santa Catarina, Brazil
March 6, April 26, 2005	Visiting scholar. Universidade Federal de Santa Catarina, Florianopolis, Santa Catarina, Brazil
May 29-July 4, 2006	Visiting scholar. University of Gastronomic Sciences, Pollenzo-Italy
February 19-May 31, 2007	Fulbright Scholar. Faculty of Agricultural Sciences, Universidad Nacional de Asunción, Paraguay
May 1-June 1, 2016	Visiting scholar. Research Institute for Humanity and Nature, Kyoto- Japan
April 5-June 7, 2019	Visiting Research Fellow. Research Institute for Humanity and Nature, Kyoto- Japan

RESEARCH ACTIVITIES

Effects of vegetational diversity on insect pest populations and associated natural enemies in agroecosystems. Biological control of insects in field and greenhouse crops through management of entomophagous insects. Agroecological strategies for the conversion of conventional agricultural systems to low-input organic management. Integrated Pest Management in Urban agricultural systems. Development of participatory IPM strategies for small farmers in Latin America.

Ecological and socioeconomic dimensions of small farm development. Agroecology of traditional farming systems. Sustainable rural development and food sovereignty in Latin America.

Climate Change, traditional farming systems and resiliency.

TEACHING FIELDS

Sustainable rural development in Latin America. Sustainable agriculture and biological control of insect pests. In addition to teaching to students at Univeristy of California at Berkeley, Santa Clara University and Stanford university, I have been involved in international agroecology courses in Brazil, Ecuador, Italy, Spain, Germany, London, Zambia, Indonesia, Nicaragua, Costa Rica, Chile, Argentina, and Colombia.

I was the coordinator for 4 years of the Latin American PhD program on Agroecology at the Universidad de Antioquia, Colombia, developed in collaboration with SOCLA for students from Latin America and the Caribbean.

Teaching experience

- Curso de Agroecologia, Programa de Pos-Graduação em Ecologia, Organized by Federal University of Campinas UNICAMP, Biology Institute, Campinas, Sao Paulo, Brazil. November 8- 10, 1999.
- 1st Workshop em Agroecologia e Desenvolvimento Sustentavel, Programa de Pos-Graduação em Ecologia, Biology Institute, Organized by Federal University of Campinas UNICAMP. Campinas, Sao Paulo, Brazil. November 11-12, 1999.
- Encontro Nacional de pesquisa em Agroecologia. Organized by AS-PTA: Assesoria e Servicios a Projectos em Agricultura Alternativa, EMBRAPA-Agrobiologia, PESAGRO-RIO and Universidad Federal Rural do Rio de Janeiro. Federal University of Rio de Janeiro, Brazil. November 17-19, 1999.
- Seminario on Maestrado em Agroecosistemas. Universidad Federal de Santa Catarina, Florianopolis, Santa Catarina, Brazil. November 23, 1999.
- 1st Seminario Estadual sobre Agroecologia. Organized by EPAGRI: Secretaria de Estado do Desenvolvimento Rural e da Agricultura. Rio do Sul. Santa Catarina, Brazil. November 23-25, 1999.
- Seminario em Agroecologia. Organized By EMATER, Porto Alegre, Rio Grande do Sul, Brazil. November 29-30, 1999.
- Curso Nacional de Agroecologia. Organized by Universidad de los Llanos y Pragrama de Naciones Unidas para el Medio Ambiente (PNUMA). Villavicencio, Colombia. December 6-10, 1999.
- Seminario taller Agroecologia y Desarrollo Rural en América Latina. Organized by Instituto de Investigaciones Ambientales del Pacifico. Quibdó, Colombia. December 13-16, 1999.
- Magister Internacional: Gestión en Desarrollo Rural y Agricultura Sustentable. Universidad Católica de Temuco, Chile. January 4-7, 2000.
- V Maestría en Agroecologia y Desarrollo Rural Sostenible en América Latina y España. Universidad Internacional de Andalucía. Sede Antonio Machado de Baeza, Spain. January 24- 28, 2000.
- Seminar Pesticides in Latin America: Its impact on nature and humans. University of Vienna. Vienna, Austria. June 6-8-, 2000.
- 3rd International Agroecology course, organized by AGER International, Perugia, Italy. June 10- 26, 2000.
- I National Agroecology course, organized by CEA (Coordinadora Ecuatoriana de Agroecologia). Quito, Ecuador. October 20-22, 2000.
- I National Organic Agriculture course, organized by Bio-Farm. Guayaquil, Ecuador. October 23-25, 2000.
- I Curso Estadual de Agroecologia de EMATER. Rio Grande do Sul, Brazil. November 13-17, 2000.
- I Seminario Internacional sobre Agroecologia, II seminario Estadual sobre agroecologia, II encontro Nacional sobre Pesquisa em Agroecologia. Rio Grande do Sul, Brazil. November 20- 22, 2000.
- Doctorado en Agroecologia y Desarrollo Rural Sostenible. Universidad de Córdoba, Córdoba, Spain. May 18-30, 2001.
- Maestría en Agricultura Orgánica. Universidad de las Islas Baleares, Mallorca, Spain. June 1-7, 2001.
- International course on Agroecology and rural development. CATIE, Turrialba, Costa Rica. August 19-25, 2001.
- Seminario on Agroecologia e Desenvolvimento Sustentavel. Universidad Federal de Santa Catarina, Florianopolis. Santa Catarina, Brazil. October 8-12, 2001.

- I Curso Estadual de Agroecologia de EPAGRI. Florianopolis, Santa Catarina, Brazil. October, 15-November 23, 2001.
- II Seminario International sobre Agroecologia, III seminario Estadual sobre agroecologia, III encontro Nacional sobre Pesquisa em Agroecologia. Porto Alegre, Rio Grande do Sul, Brazil. November 26-28, 2001.
- VI Maestría en Agroecologia y Desarrollo Rural Sostenible en América Latina y España. Universidad Internacional de Andalucía. Sede Antonio Machado de Baeza, Spain. May 12-17, 2002.
- II Master on Organic Agriculture. Instituto Agronomico Mediterraneo. Bari, Italy. May 27-31, 2002.
- Agroecology short course. CATIE, Jinotepe and León, Nicaragua. July 15-19, 2002.
- Short course on ecologically based pest management. CEA, Quito, Ecuador. July 22-24, 2002.
- Short course on biological control of insect pests. Universidad de Pamplona, Spain. August 12- 16, 2002.
- Short course on ecological based pest management. Sociedad Española de Agricultura Ecológica. Guijon, Spain. September 16-18, 2002.
- Agroecology short course. IICA, Bogotá, Colombia February 26-28, 2003.
- Regional Seminar on Agroecology. Universidad Católica del Maule, Curicó. Chile. April 4, 2003.
- Agroecology short course. INIA, Chillan, Chile. April 15-17, 2003.
- Agroecology short course. CORFO, Quillota, Chile. April 22-23, 2003.
- Agroecology short course. Universidad de la Serena, La Serena, Chile, April 24-25, 2003.
- Regional seminar on Agroecology, Universidad Católica de Santiago, Santiago, Chile. April 28, 2003.
- III Master on Organic Agriculture. Instituto Agronomico Mediterraneo. Bari, Italy. May 26-31, 2003.
- Seminar on Agroecology. University of Florence, Florence, Italy, June 6-7, 2003.
- Agroecology short course. Asociacion Vida Sana, Barcelona, Spain, June 9-11, 2003.
- Doctorado en Agroecologia y Desarrollo Rural Sostenible. Universidad de Córdoba, Córdoba, Spain. June 12-17, 2003.
- National course on Agroecology. Fundamentos de Agroecologia en la red del proyecto de agricultura organica de Embrapa. Rio de Janeiro, Brazil, March 29-April 4, 2004.
- Agroecology short course. Ministerio de Desenvolvimento Agrario-Brasil. Ilheus, Bahia. April 5-10, 2004.
- Agroecology and rural development course. Giramundo-Universidade do Sao Paulo-Botocatu. Botocatu, Brazil. April 12-17, 2004.
- National course on Agroecology for undergraduate students. Universidade Federal de Santa Catarina, Florianopolis, Brazil. April 26-30, 2004.
- VII Maestría en Agroecologia y Desarrollo Rural Sostenible en America Latina y España. Universidad Internacional de Andalucía. Sede Antonio Machado de Baeza, Spain. May 12-17, 2004.
- IV Master on Organic Agriculture. Instituto Agronomico Mediterraneo. Bari, Italy. May 26-31, 2004.
- Doctorado en Agroecologia y Desarrollo Rural Sostenible. Universidad de Cordoba, Cordoba, Spain. May 23-29, 2005.
- PhD program on Agrobiodiversity. Universita Santa Ana. Pisa, Italy. May 30-June 5, 2005.
- V Master on Organic Agriculture. Instituto Agronomico Mediterraneo. Bari, Italy. June 6-June 11, 2005.
- Seminario Nacional de Agroecologia y Desarrollo Rural Sostenible. Universidad de Antioquia. February 13-17, 2006.

- VI Master on Organic Agriculture. Instituto Agronomico Mediterraneo. Bari, Italy. May 15-19- 2006.
- VIII Maestría en Agroecología y Desarrollo Rural Sostenible en America Latina y España. Universidad Internacional de Andalucía. Sede Antonio Machado de Baeza, Spain. May 22-26, 2006.
- VII Master on Organic Agriculture. Instituto Agronomico Mediterraneo. Bari, Italy. May 7-12- 2007.
- IX Maestría en Agroecología y Desarrollo Rural Sostenible en America Latina y España. Universidad Internacional de Andalucía. Sede Antonio Machado de Baeza, Spain. May 14-19, 2007.
- Curso Internacional de Agroecología. SOCLA Universidad de Antioquia. Colombia. August 18- 19, 2007.
- VIII Master on Organic Agriculture. Instituto Agronomico Mediterraneo. Bari, Italy. May 7-12- 2007.
- X Maestría en Agroecología y Desarrollo Rural Sostenible en America Latina y España. Universidad Internacional de Andalucía. Sede Antonio Machado de Baeza, Spain. May 26-31, 2008.
- IX Master on Organic Agriculture. Instituto Agronomico Mediterraneo. Bari, Italy. June 2-7, 2008.
- Máster Oficial en Desarrollo y Cooperación Internacional de la Universidad de Lleida, Spain. February 4-9, 2009.
- XI Maestría en Agroecología y Desarrollo Rural Sostenible en America Latina y España. Universidad Internacional de Andalucía. Sede Antonio Machado de Baeza, Spain. May 14-19, 2009.
- X Master on Organic Agriculture. Instituto Agronomico Mediterraneo. Bari, Italy. June 2-7, 2009.
- Máster Oficial en Desarrollo y Cooperación Internacional de la Universidad de Lleida, Spain. February 15-26, 2010.
- XII. Maestría en Agroecología y Desarrollo Rural Sostenible en America Latina y España. Universidad Internacional de Andalucía. Sede Antonio Machado de Baeza, Spain. March 15-19, 2010.
- Doctorado latinoamericano de Agroecología. Universidad de Antioquia, Universidad Nacional de Colombia, SOCLA, March-April, 2010.
- XI. Master on Organic Agriculture. Instituto Agronomico Mediterraneo. Bari, Italy. May 17-21, 2010.
- Maestría Agroecología y Ambiente. Universidad de Cuenca, Ecuador, January 6-16, 2011.
- Máster Oficial en Desarrollo y Cooperación Internacional de la Universidad de Lleida, Spain. February 7-11, 2011.
- XIII. Maestría en Agroecología y Desarrollo Rural Sostenible en America Latina y España. Universidad Internacional de Andalucía. Sede Antonio Machado de Baeza, Spain. February 14-19, 2011.
- XII. Master on Organic Agriculture. Instituto Agronomico Mediterraneo. Bari, Italy. May 9-14, 2011.
- Doctorado latinoamericano de Agroecología. Universidad de Antioquia, Universidad Nacional de Colombia, sede Medellin, SOCLA, February-Jne, 2011.
- XIV. Maestría en Agroecología y Desarrollo Rural Sostenible en America Latina y España. Universidad Internacional de Andalucía. Sede Antonio Machado de Baeza, Spain. February 16-22, 2012.
- XII. Master on Organic Agriculture. Instituto Agronomico Mediterraneo. Bari, Italy. May 14-19, 2012.
- Doctorado latinoamericano de Agroecología. Universidad de Antioquia, Universidad Nacional de Colombia, sede Medellin, SOCLA, February -June, 2012.

- XV. Maestría en Agroecología y Desarrollo Rural Sostenible en America Latina y España. Universidad Internacional de Andalucía. Sede Antonio Machado de Baeza, Spain. February 18-22, 2013.
- Doctorado latinoamericano de Agroecología. Universidad de Antioquia, Medellin y SOCLA, February -June, 2013.
- XV. Maestría en Agroecología y Desarrollo Rural Sostenible en America Latina y España. Universidad Internacional de Andalucía. Sede Antonio Machado de Baeza, Spain. February 17-21, 2014.
- Doctorado latinoamericano de Agroecología. Universidad de Antioquia, Medellin y SOCLA, February -June, 2014.
- XVI. Maestría en Agroecología y Desarrollo Rural Sostenible en America Latina y España. Universidad Internacional de Andalucía. Sede Antonio Machado de Baeza, Spain. March 17- 21, 2015.
- I. Especializacion en Agroecología. Universidad de la Matanza, Buenos Aires-Argentina y SOCLA. Marzo 2-6, 2015.
- XVII. Maestría en Agroecología y Desarrollo Rural Sostenible en America Latina y España. Universidad Internacional de Andalucía. Sede Antonio Machado de Baeza, Spain. March 7-12, 2016.
- II. Especializacion en Agroecología. Universidad de la Matanza, Buenos Aires-Argentina y SOCLA. April 4-8, 2016.
- XVIII. Maestría en Agroecología y Desarrollo Rural Sostenible en America Latina y España. Universidad Internacional de Andalucía. Sede Antonio Machado de Baeza, Spain. February 13-17, 2017.
- II. Especializacion en Agroecología. Universidad de la Matanza, Buenos Aires-Argentina y SOCLA. Marzo 27- April 1, 2017.
- IX. Maestría en Agroecología y Desarrollo Rural Sostenible en America Latina y España. Universidad Internacional de Andalucía. Sede Antonio Machado de Baeza, Spain. March 21-23, 2018.
- X. Maestría en Agroecología y Desarrollo Rural Sostenible en America Latina y España. Universidad Internacional de Andalucía. Sede Antonio Machado de Baeza, Spain. Feb 11-15, 2019.
- XI. Maestría en Agroecología y Desarrollo Rural Sostenible en America Latina y España. Universidad Internacional de Andalucía. Sede Antonio Machado de Baeza, ON-LINE Marzo, 2020.
- XII. Maestría en Agroecología y Desarrollo Rural Sostenible en America Latina y España. Universidad Internacional de Andalucía. Sede Antonio Machado de Baeza, ON-LINE Marzo, 2021

GRANTS

- | | |
|------|---|
| 1996 | UC SAREP (US\$ 2,000). "An agroecological Strategy for the Conversion of Commercial Flower Production Systems to low-input Organic Management". |
| 1997 | The Johns Hopkins University/Ford Foundation. Latin American/Cuba Exchange Program (US\$ 2,250). "Assessing the impacts of biological pest control efforts in agricultural cooperatives undergoing conversion to organic farming in Havana Province". |
| 1997 | Clarence E. Heller Charitable Foundation. San Francisco. (US\$ 30,000). "Assessing the Ecological Effects of a Biodiverse Vineyard on Pest Regulation and Agroecosystem Sustainability". |
| 1997 | Organic Farming Research Foundation (US\$ 4,000). "Study of Plant Diversity Adjacent to a Monoculture system: Effects of Beneficial Arthropod Population and Vineyard Pest Control". |

- 1999 California Department of Pesticide Regulation (US\$ 30,000). "Capacity building on IPM in urban agriculture in Bay Area public schools and surrounding low-income communities" (renewed years 2000 and 2001 for a total of US\$ 90,000). Co.-P.I
- 2002 UCMEXUS. (US\$ 15,754). "A pilot Internet Based Distance Learning Course on Agroecology". Involving Students of five Mexican Agricultural Universities. Co.-P.I
- 2002 Foundation for Deep Ecology. (US\$ 17,000). "Engaging students in a debate on the future of agriculture at California agricultural colleges using Fatal Harvest as a teaching aid". Co.-P.I
- 2004 CS Fund (US\$15,000). "Organic no till system in southern Brazil: understanding and scaling up the technology" (renewed 2005). Co.-P.I
- 2005-2008 CS Fund (US\$15,000 per year). "Understanding and scaling up soil enhancing systems developed by small family farmers in southern Brazil". Co.-P.I
- 2006-2008 Organic Farming Research Foundation (US\$15,000). "Testing and massively diffusing agroecologically based organic conservation tillage systems for family farmers in southern Brazil". Co.-P.I
- 2009-2010 UC Mexus-CONACYT. (US\$18,000). "Adaptation strategies by peasants to climate change in the Mixteca region of Oaxaca". Consultant
- 2011-2014 CYTED Consejo de Ciencia y Tecnología de España (E\$33,000 euros/year), REDAGRES, "Red Iberoamericana de Agroecología para el desarrollo de sistemas agrícolas resilientes al cambio climático". Regional Coordinator of thematic network.
- 2012-2013 Secretaria de Agricultura de Antioquia, Colombia. (US\$10,000). Evaluación Agroecológica participativa del Sistema tradicional del frijol cargamanto (*Phaseolus vulgaris*), con pequeños productores campesinos del municipio del Carmen de Viboral en el Oriente Antioqueño.
- 2012-2014 CS Fund (US \$ 35,000). Scaling up climate change resilient peasant farming systems in Latin America: dissemination of lessons learned and showcasing successful lighthouse farms among small farmers. Executed by SOCLA members.
- 2015-2017 CS Fund (US \$ 35,000). Second phase. Scaling up climate change resilient peasant farming systems in Latin America: dissemination of lessons learned and showcasing successful lighthouse farms among small farmers. Executed by SOCLA members.
- 2018-2020 LUSH Fund (US\$80,000). "An Agroecology in Action Program" by SOCLA*-REDAGRES**. Fincas Resilientes": farmer to farmer sharing of socio-ecological resilience between Puerto Rico, Haiti and Cuba.

PUBLICATIONS

ARTICLES

1. *Altieri, M.A, C.I. Nicholls and M.S. Wolfe.* 1996 Biodiversity a central concept in organic agriculture: Restraining pests and diseases. In: *Fundamentals of Organic Agriculture*. T.V. Ostergard, Editor. IFOAM. Copenhagen, Denmark.
2. *Altieri, M.A. and C.I. Nicholls.* 1997. Biological control in agroecosystems through management of entomophagous insects. In: *Critical Issues in Pest Management*. G.S. Dhaliwal and E.A. Heinrichs, Eds. National Agricultural Technology Information Center, Ludhiana, India.

3. Nicholls, C. I. and M. A. Altieri. 1997. Conventional agricultural development programs and the persistence of the pesticide treadmill in Latin America. *Int. Journal of Sustainable Development and World Ecology* 4: 93-111
4. Altieri, M. A., P. Rosset and C. I. Nicholls. 1997. Biological control and agricultural modernization: towards resolution of some contradictions. *Agriculture and Human Values*. 14: 303-310.
5. Altieri, M. A. and C. I. Nicholls 1997. Indigenous and modern approaches to IPM in Latin America. *LEISA* 13:6-7.
6. Nicholls, C.I., M.P. Parrella and M.A. Altieri. 1998. Advances and perspectives in the biological control of greenhouse pests with special reference to Colombia. *Integrated Pest Management Reviews* 3 (2): 99-109.
7. Altieri, M.A. and C.I. Nicholls. 1999. Classical biological control in Latin America: past, present and future. In T. Bellows and T. Fisher (eds) *Hanbook of Biological Control*, New York: Academic Press.
8. Altieri, M.A., N. Companioni, K. Canizares, C. Murphy, P. Rosset, M. Bourque and C. I. Nicholls. 1999. The greening of the 'barrios': Urban agriculture for food security in Cuba. *Agri. Human Values* 16, 131-40.
9. Altieri, M.A and C.I Nicholls. 1999. Biodiversity, ecosystem function and insect pest management in agricultural systems. In: *Biodiversity in Agroecosystems*. W.W. Collins and C.O. Qualset (eds) pp. 69-84. CRC Press, Boca Raton.
10. Nicholls, C.I., Parrella, M.P and M.A. Altieri. 2000. Reducing the abundance of leafhoppers and thrips in a northern California organic vineyard through maintenance of full season floral diversity with summer cover crops. *Agricultural and forest entomology* 2: 107-113.
11. Nicholls, C.I and M.A Altieri. 2000. Manipulating plant biodiversity to enhance biological control of insect pests: a case study of a northern California organic vineyard. In: *Agroecosystem sustainability: developing practical strategies*. *Agroecosystem Sustainability*. Pp: 29-50. S. Gliessman (ed). CRC Press, Boca Raton.
12. Altieri, M.A and C.I Nicholls. 2000. Applying Agroecological Concepts to Development of Ecologically Based Pest Management Strategies. In: *Professional Societies and Ecologically Based Pest management: proceeding of a workshop*. National Research Council. Washington D.C. pp: 14-19.
13. Nicholls, C.I, M.P Parrella and M.A Altieri. 2001. Effects of a vegetational corridor on the abundance and dispersal of insect biodiversity within a northern Californian organic vineyard. *Landscape Ecology* 16:133-146
14. Altieri, M.A. and C.I. Nicholls. 2001. Ecological impacts of modern agriculture in the United States and Latin America. In: *O. Solbrig et al (eds.) Globalization and the rural environment*. Harvard Univ. Press, Cambridge, Mass.
15. Nicholls, C.I. 2001. Manipulando la biodiversidad para incrementar el control biologico de insectos plaga en agroecosistemas. Capitulo 10. In: *Agroecologia y Desarrollo: Aproximacion a los fundamentos agroecologicos para la gestion sustentable de agroecosistemas mediterraneos*. J. Labrador Moreno and M. A. Altieri (eds). Ediciones Mundi-Prensa, Caceres-Madrid. 566p.
16. Nicholls C.I and M.A. Altieri. 2001. Propuesta Agroecologica de manejo de plagas y enfermedades. In: *La practica de la Agricultura y ganaderia ecologicas*. *Comite Andaluz de Agricultura Ecologica (C.A.A.E)*, Sevilla- Spain. pp. 119-137.
17. Altieri, M.A. and C.I. Nicholls. 2002. Ecologically based pest management: a key pathway to achieving Agroecosystem Health. Chapter 98. In: *Managing for Healthy Ecosystems*. D.J. Rapport et al. (eds). CRC Press, Boca Raton.

18. Nicholls C.I. and M. A. Altieri. 2002. Biodiversidad y diseño agroecológico: un estudio de caso de manejo de plagas en viñedos. *Revista Manejo Integrado de Plagas y Agroecología* 65: 50-64
19. Altieri, M.A. and C.I. Nicholls. 2002. Un método agroecológico rápido para la evaluación de la sostenibilidad de cafetales. *Revista Manejo Integrado de Plagas y Agroecología* 64: 9-14.
20. Altieri, M.A. and C.I. Nicholls. 2002. The simplification of traditional vineyard based agroforest in northwestern Portugal: some ecological implications. *Agroforestry Systems*. 56 (3): 185-191.
21. Nicholls, C.I. and N. Perez. 2003. The development and status of biologically based Integrated Pest Management in Cuba. *Integrated Pest Management Reviews*. Vol 7 # 1.
22. Altieri, M.A. and C.I. Nicholls. 2002. Invasive arthropods and pest outbreaks in the context of the ecology of mechanized agricultural systems . In: *Invasive arthropods in agriculture*. G.J. Hallman and C.P. Schwalbe (eds) pp. 1-19. Science Pubs. Enfield, NH.
23. Nicholls C.I. 2003. Manipulando la biodiversidad vegetal para incrementar el control biológico de insectos plaga: un estudio de caso de un viñedo orgánico en el norte de California. In: *Agroecología y Agricultura Sustentable*. Sarandon S. (ed). Universidad Nacional de La Plata, Argentina.
24. Altieri, M.A. and C.I. Nicholls. 2003. Soil fertility management and insect pest: harmonizing soil and plant health in agroecosystems. *Soil & Tillage Research* 72: pp203-211.
25. Altieri, M.A. and C.I. Nicholls. 2003. Native seeds: humankind patrimony essential for the cultural and ecological integrity of peasant agriculture. *Policy Matters* 11, September. pp 28-33.
26. Altieri, M.A. and C.I. Nicholls. 2003. Agroecology: rescuing organic agriculture from a specialized industrial model of production and distribution. *The International magazine of IFOAM: Ecology and Farming* # 34 pp 24-26.
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