

Robin L. Chazdon  
Curriculum Vitae  
(revised 13 November 2008)

Address: 75 North Eagleville Road  
Department of Ecology and Evolutionary Biology  
Storrs, CT 06269-3043 USA  
Tel: (860) 486-4057; Fax (860) 486-6364;  
e-mail: chazdon@uconn.edu

Education: B.A. 1978 Grinnell College, Iowa Biology  
Ph.D. 1984 Cornell University, Ithaca Ecol. & Evol. Biology

Professional Experience:

2000- Full Professor, Dept. of Ecology and Evolutionary Biology, Univ. of Connecticut  
1994-2000 Associate Professor, Dept. of Ecology and Evolutionary Biology, Univ. of Connecticut  
1988-1994 Assistant Professor, Dept. of Ecology and Evolutionary Biology, Univ. of Connecticut  
1986-1988 NSF Research Fellow in Environmental Biology, Univ. California, Berkeley  
1985-1986 Postdoctoral Research Associate, Carnegie Institution of Washington, Dept. of Plant Biology, Stanford, CA (with C.B. Field)  
1984-1985 Postdoctoral Research Botanist, Univ. California, Davis (with R. W. Pearcy)

Research and Teaching

Research Interests: Ecology and regeneration of tropical and temperate forests, conservation and restoration of tropical forests, tropical second-growth forests, biodiversity and conservation in agricultural landscapes.  
Current Research Program: Regeneration and community assembly of tropical secondary forests; seedling establishment and dispersal of trees, life history and functional traits of tropical tree species  
Teaching Program: Undergraduate: Methods of Ecology; Graduate: Functional Ecology of Plants, Organisms and Ecosystems, Graduate Seminar in Plant Ecology, Current Topics in Biodiversity  
Number of Current Graduate Students: 3 Ph.D.

## Awards and Honors

Honors Faculty of the Year, 2005  
 Provost's Award for Excellence in Research, 2004  
 President's Medal, British Ecological Society, 2003

## Fellowships and Grants

Blue Moon Fund, 2008-2010  
 NSF, LTREB, 2007-2012  
 NSF, Ecological Studies, 2004-2007  
 Fulbright Senior Scholar Award, January -July, 2002; spent 6 months in Northern Queensland, Australia (James Cook University, Cairns campus)  
 NSF, Travel Support for an International Conference on Tropical Ecosystems, 2001 (co-P.I.)  
 Andrew W. Mellon Foundation, 1996-1999 (1 grant); 1999-2002 (2 grants)  
 NSF, Doctoral Dissertation Improvement Grants (3); 1997-99, 2000-2001, 2005-2006  
 USDA, Plant Responses to the Environment, 1993-1995  
 NSF, Ecosystems, 1992-1996  
 NSF Graduate Fellowship, 1979-1982  
 University of Connecticut Research Foundation Grant, 1988-2004 (5 grants)  
 NSF Postdoctoral Fellowship in Environmental Biology, 1986-1988  
 Organization for Tropical Studies, Noyes Predoctoral Fellowship, 1983-1984  
 Smithsonian Tropical Research Institute, Short-term Fellowship, 1982

## Professional Societies:

Association for Tropical Biology and Conservation  
 Botanical Society of America  
 Ecological Society of America  
 British Ecological Society  
 The International Palm Society  
 International Society of Tropical Foresters

## Manuscript and Grant Reviews:

Functional Ecology	Physiologia Plantarum
Biotropica	Forest Ecology and Management
The American Naturalist	Oecologia
Tree Physiology	American Journal of Botany
Ecology, Ecological Applications	Principes
American Midland Naturalist	Canadian Journal of Forest Research
Australian Journal of Ecology	Journal of Ecology
Canadian Journal of Botany	Botanical Gazette
International Journal of Plant Science	Science
Journal of Tropical Forest Science	Conservation Biology
Restoration Ecology	Journal of Plant Research

New York Botanical Garden  
 Ecological Research  
 Journal of Tropical Ecology

Missouri Botanical Garden  
 Journal of Tropical Forest Science  
 Journal of Vegetation Science

Ad hoc reviewer of proposals for the National Science Foundation, USDA, Smithsonian, and several private foundations

#### Foreign Languages:

Spanish (fluent in reading, writing, and speaking), French, Portuguese, Italian

#### Editorial Positions

Editorial Board, *Biotropica* (2006- )  
 Editor, *Biotropica* (2003-2006)  
 Editorial Board, Physiological Ecology series, Academic Press, 1999-2001  
 Editorial Board, *Oecologia* 1998-2003  
 Associate Editor, *American Journal of Botany*, 1995-2003  
 Editorial Review Board, *Tree Physiology*, 1987-1988, 1993-1999; 2000-2003

#### Professional Activities

Scientific Review Committee, Biological Dynamics of Forest Fragments Project  
 NSF Ecology Panel, 2007  
 Member, IUCN Species Survival Commission, Palm Specialist Group (2005-  
 Co-organizer, NCEAS Working Group, Biodiversity and Conservation Value of  
 Agricultural Landscapes of Mesoamerica (2004-2006)  
 Member, La Selva Advisory Committee (2005-  
 Member, Founding Board, Costa Rica-USA Foundation (2004-  
 Member, External Advisory Committee, CREST-CATEC (Center for Applied  
 Tropical Ecology and Conservation, University of Puerto Rico, Río  
 Piedras (2003-  
 Member, Scientific Advisory Board, National Center for Ecological Research and  
 Synthesis, 2000-2003  
 Coordinating Committee, Multi-Site, Multi-Investigator, Multi-Disciplinary (3M)  
 Initiative for Training Plant Ecology Graduate Students, 2001-2003  
 Chair, Ad Hoc Task Force on Membership, Ecological Society of America, 1999-  
 2001  
 Member at Large, Ecological Society of America Governing Board, 1998-2000  
 OTS Research Fellowship Advisory Committee, 1999-2001  
 Nominating committee, Organization for Tropical Studies, 1991, 1999  
 NSF dissertation improvement grant panel, 1998  
 Past-President, Association for Tropical Biology, 1999  
 President, Association for Tropical Biology, 1998  
 Member, Board of Directors, OTS, 1989-1999  
 Member at Large, Executive Committee, Organization for Tropical Studies, 1993-97  
 Member, USDA Plant Responses to Environment Panel, 1992

Council Member, Association for Tropical Biology, 1990-1991

### University Service

EEB, PTR Committee, head, 2008  
 Faculty Advisor, Environmental Biology Concentration, Env. Sci. Major 2007-  
 EEB Department Head Search Committee, 2006  
 Dept. Head's Advisory Committee, 2002-  
 EEB Courses and Curriculum Committee, 2002  
 Faculty Advisor, Environmental Studies Minor, 2002-  
 Environmental Studies Minor Committee, 1999-2001  
 Experiential Learning Advisory Board, 2000-2001  
 Graduate Admissions and Awards Committee, EEB, 2000-2005  
 Planning Committee, Teale Lecture Series on Nature and the Environment, 1999-  
 Biology Liason, exchange program with University of Puerto Rico, 1999-2000  
 Puerto Rican and Latino studies committee, 1999-2001  
 Travel technology committee, 1999-2000  
 Off-campus advisor for Ecology and Evolutionary Biology, 1995-  
 Promotion and tenure committee (EEB), 1997, 1998, 2000, 2004, 2005, 2006  
 Board Member, Center for Biodiversity and Conservation, 1999-  
 Member, Life Sciences Review Panel, 1998-99  
 University mentoring program for women in science, 1997-1998  
 Chair, Plant/Ecosystem Ecology Search Committee, 1996-97  
 Chair, Life Sciences Review Panel, 1992  
 Open House, 1993-  
 Caribbean and Latin American studies committee, 1990-

### Teaching and Mentoring

Ph.D Students trained: Adrienne Nicotra, Juan Manuel Dupuy, Silvia Iriarte,  
 Rebecca Montgomery, Catherine Cardelus, U. Uzay Sezen, Juan Pablo  
 Arroyo  
 Post-doctoral associates: Manuel Guariguata, Robert Capers, Natalia Norden,  
 Juan Pablo Arroyo  
 Current Ph.D. advisees:, Susan Letcher, Amanda Wendt, Vanessa Boukili  
 Current Ph.D. and Masters associate advisees: 15  
 Organizer and instructor, La Selva Module, 3M Graduate Field Course in  
 Tropical Biology, September 2001  
 Mentor, Research Experiences for Undergraduate Program, La Selva Biological  
 Station, June-August 2003 and June-August 2005

### **Publications**

#### Edited Books

- Chazdon, R. L. and T. C. Whitmore (Eds.) 2002. Foundations of Tropical Biology: Key papers and commentaries. University of Chicago Press.
- Mulkey, S., R. Chazdon, and A. P. Smith (Eds.). 1996. Tropical Forest Plant Ecophysiology. Chapman and Hall.

Book Chapters (Peer Reviewed)

- Chazdon, R. L., C. A. Harvey, M. Martínez-Ramos, P. Balvanera, K. Stoner, J. Schondube, L. D. Avila Cabadilla, and M. Flores-Hidalgo. In Press. Tropical dry forest biodiversity and conservation value in agricultural landscapes of Mesoamerica. In: Dirzo, R., H. A. Mooney, G. Ceballos, and H. Young, Eds. Ecology and Conservation of Neotropical Dry Forests, Island Press, Washington, D. C.
- Chazdon, R. L. 2008. Chance and determinism in tropical forest succession. In: Carson, W. and S. Schnitzer, Eds. Tropical Forest Community Ecology. Pp. 384-408. Blackwell Publishing
- Chazdon, R. L. 2002. Introduction. Pages 1-4 In: Chazdon, R. L. and T. C. Whitmore (Eds.) Foundations of Tropical Forest Biology: Classic papers with commentaries. University of Chicago Press.
- Chazdon, R. L. and the Earl of Cranbrook. 2002. Tropical naturalists of the 16<sup>th</sup>-19<sup>th</sup> centuries. Pages 5-14 In: Chazdon, R. L. and T. C. Whitmore (Eds.) Foundations of Tropical Forest Biology: Classic papers with commentaries. University of Chicago Press.
- Chazdon, R. L. and J. S. Denslow. 2002. Floristic composition and species richness. Pages 513-522 In: Chazdon, R. L. and T. C. Whitmore (Eds.) Foundations of Tropical Forest Biology: Classic papers with commentaries. University of Chicago Press.
- Denslow, J. S. and R. L. Chazdon. 2002. Ecosystem ecology in the tropics. Pages 639-645 In: Chazdon, R. L. and T. C. Whitmore (Eds.) Foundations of Tropical Forest Biology: Classic papers with commentaries. University of Chicago Press.
- Chazdon, R. L. and R. A. Montgomery (2001) Carbon acquisition by tropical forest plants. Pages 225-250 In: M. Guariguata and G. Kattan (Eds.). Ecología de Bosque Lluvioso Neotropical. IICA, Costa Rica (in Spanish)
- Chazdon, R. L. and F. G. Coe. 2001. Etnobotánica cuantitativa en bosques secundarios de Costa Rica. Pages 285-290 In: Primack, R., R. Rozzi, P. Feinsinger, R. Dirzo, and F. Massardo, Eds. Conservacion Biológica. Fondo de Cultura Económica, México City, México.
- Chazdon, R. L., R. K. Colwell, J. S. Denslow and M. Guariguata. 1998. Statistical estimation of species richness of woody regeneration in primary and secondary rainforests of NE Costa Rica. Pp 285-309 In: Dallmeier, F., and J. Comisky, eds. Forest Biodiversity in North, Central, and South America and the Caribbean: Research and Monitoring. Parthenon Press, Paris.
- Chazdon, R. L., R. W. Pearcy, D. W. Lee and N. Fetcher. 1996. Photosynthetic responses to contrasting light environments. pp. 5-55 in: Mulkey, S., Chazdon, R. and Smith, A. P. (eds.) Tropical Forest Plant Ecophysiology, Chapman and Hall.

- Chazdon, R. L. and Fetcher, N. 1984. Light environments of tropical forests. *In*: Physiological Ecology of Plants of the Wet Tropics (E. Medina, H. A. Mooney, and C. Vazquez Yanes, eds.). pp. 27-36, Junk, The Hague.
- Fetcher, N., S. F. Oberbauer, and R. L. Chazdon. 1994. Physiological ecology of plants at La Selva. *In*: La Selva: Ecology and Natural History of a Neotropical Rainforest (L. McDade, K.S. Bawa, G. Hartshorn, H. Hespeneheide, eds.). University of Chicago Press, pp. 128-141.
- Pearcy, R. W., R. L. Chazdon, L. Gross, and K. A. Mott. 1994. Photosynthetic utilization of sunflecks, a temporally patchy resource on a time scale of seconds to minutes. *In*: Caldwell, M. M. and Pearcy, R. W., (eds.) Exploitation of environmental heterogeneity by plants: Ecophysiological processes above and below ground. Academic Press, Inc. pp. 175-208.

#### Peer-Reviewed Journal Publications

- Chazdon, R. L., C. Harvey, O. Komar, D. Griffith, B. Ferguson, M. Martínez-Ramos, H. Morales, R. Nigh, L. Soto-Pinto, M. van Breugel S. Philpott. 2008. Beyond reserves: A research agenda for conserving biodiversity in tropical human-modified landscapes. *Biotropica*, in press. DOI 10.1111/j.1744-7429.2008.00471.x
- Wood, T. E., D. Lawrence, D. A. Clark, and R. L. Chazdon. 2008. The effect of large-scale litter manipulation on rain forest nutrient cycling and productivity. *Ecology*, in press.
- Chao, A., L. Jost, S. C. Chiang, Y.-H. Jian, and R. L. Chazdon. 2008. A two-stage probabilistic approach to multiple-community similarity indices. *Biometrics* DOI: 10.1111/j.1541-0420.2008.01010.x.
- Vilchez Alvarado, B., R. L. Chazdon, and V. Milla Quesada. 2008. Dinámica de la regeneración en cuatro bosques secundarios tropicales de la región Huetar Norte, Costa Rica: Su valor para la conservación o uso comercial. *Recursos Naturales y Ambiente*, in press.
- Chazdon, R. L. 2008. Beyond deforestation: Restoring forests and ecosystem services on degraded lands. *Science* 320: 1458-1460.
- Dupuy, J. M. and R. L. Chazdon. 2008. Interacting effects of canopy gap, understory vegetation and leaf litter on tree seedling recruitment and composition in tropical secondary forests. *Forest Ecology and Management* 255: 3716-3725.
- Harvey, C. A., O. Komar, R. Chazdon, B. G. Ferguson, B. Finegan, D. M. Griffith, M. Martínez-Ramos, H. Morales, R. Nigh, L. Soto-Pinto, M. van Breugel, and M. Wishnie. 2008. Integrating agricultural landscapes with biodiversity conservation in the Mesoamerican Hotspot. *Conservation Biology* 22: 8-15.
- Sodhi, N. S., L. P. Koh, K. S.-H. Peh, H. T. W. Tan, R. L. Chazdon, R. T. Corlett, T. M. Lee, R. K. Colwell, B. W. Brook, C. H. Sekercioglu, and C. J. A. Bradshaw. 2007. Correlates of extinction proneness in tropical angiosperms. *Diversity and Distributions* 14: 1-10.
- Vilchez, B., R. L. Chazdon, and W. Alvarado. 2007. Fenología reproductiva de las especies del dosel superior en seis sitions de la region Huetar Norte de Costa Rica. 2007. *Kuru: Revista Forestal Costa Rica*, in press.

- Sezen, U. U., R. L. Chazdon, and K. E. Holsinger. 2007. Multigenerational genetic analyses of tropical secondary regeneration in a canopy palm. *Ecology* 88: 3065-3075.
- Chazdon, R. L., S. G. Letcher, M. van Breugel, M. Martínez-Ramos, F. Bongers, and B. Finegan. 2007. Rates of change in tree communities of secondary tropical forests following major disturbances. *Phil. Trans. R. Soc. B.* 362: 273-289.
- Dupuy, J. M. and R. L. Chazdon. 2006. Effects of vegetation cover on seedling and sapling dynamics in secondary tropical wet forests in Costa Rica. *Journal of Tropical Ecology* 22: 65-76.
- Chao, A. R. L. Chazdon, R. K. Colwell, and T.-J. Shen. 2006. Abundance-based similarity indices and their estimation when there are unseen species in samples. *Biometrics* 62: 361-371.
- Palomaki, M. B., Chazdon, R. L., J. P. Arroyo, and S. G. Letcher. 2006. Juvenile tree growth in relation to light availability in second-growth tropical rain forests. *Journal of Tropical Ecology* 22: 223-226.
- Lusk, C. H., Chazdon, R. L., and G. Hofmann. 2006. A bounded null model explains juvenile tree community structure along light availability gradients in an old-growth temperate rain forest. *Oikos* 112: 131-137.
- Ruiz, J., M. C. Fandiño, and R.L. Chazdon. 2005. Vegetation structure, composition, and species richness across a 56-year chronosequence of dry tropical forest on Providencia Island, Colombia. *Biotropica* 37: 520-530.
- Capers, R. S. R. L. Chazdon, Redondo Brenes, Al, and Vilchez Alvarado, B. 2005. Successional dynamics of woody seedling communities in wet tropical secondary forests. *Journal of Ecology* 93: 1071-1084.
- Iriarte, S. B. B. and R. L. Chazdon. 2005. Light-dependent seedling survival and growth of four tree species in Costa Rican second-growth rain forests. *Journal of Tropical Ecology* 21: 383-395.
- Chazdon, R. L., A. Redondo Brenez, and B. Vilchez Alvarado. 2005. Effects of climate and stand age on annual tree dynamics in tropical second-growth rain forests. *Ecology*, 86: 1808-1815.
- Cardelus, C. L. and R. L. Chazdon. 2005. Inner-crown microenvironments of two emergent tree species in a lowland wet forest. *Biotropica* 37: 238-244.
- Chao, A., R. L. Chazdon, R. K. Colwell, and T.-J. Shen. 2005. A new statistical approach for assessing similarity of species composition with incidence and abundance data. *Ecology Letters* 8: 148-159.
- Sezen, U. U., R. L. Chazdon & K. E. Holsinger. 2005. Genetic consequences of tropical second-growth forest regeneration. *Science* 307: 891.
- Vilchez Alvarado, R. L. Chazdon, and A. Redondo. 2004. Fenología reproductiva de cinco especies forestales del Bosque Secundario Tropical. *Kurú: Revista Forestal Costa Rica* 1(2): 1-10. [this is an on-line, peer-reviewed journal]
- Redondo Brenes, R. L. Chazdon, and B. Vilchez Alvarado. 2004. Effects of selective logging on dynamics and composition of woody seedlings in a tropical secondary forest. *Kurú: Revista Forestal Costa Rica* 1(3): 1-11.

- Capers, R. S. and R. L. Chazdon (2004) Rapid assessment of understory light availability in a wet tropical forest. *Agricultural and Forest Meteorology* 123: 177-185.
- Chazdon, R. L. (2003). Tropical forest recovery: legacies of human intervention and natural disturbances. *Perspectives in Plant Ecology, Evolution and Systematics* 6: 51-71.
- Chazdon, R. L., S. Careaga, C. Webb, and O. Vargas. (2003) Community and phylogenetic structure of reproductive traits of woody species in wet tropical forests. *Ecological Monographs* 73: 331-348.
- Nicotra, A. B., R. L. Chazdon, and R. A. Montgomery (2003). Sexes show contrasting patterns of leaf and crown carbon gain in a dioecious rainforest shrub. *American Journal of Botany* 90: 347-355
- Redondo B., A., B. Vilchez A., R. L. Chazdon. 2001. Estudio de la dinámica y composición de cuatro bosques secundarios en la región Huetar Norte, Sarapiquí—Costa Rica. *Revista Forestal Centroamericana* No. 36 (Oct-Dec) 21-26.
- Montgomery, R. A. and R. L. Chazdon. 2002 Light gradient partitioning by tropical tree seedlings in the absence of canopy gaps. *Oecologia* 131: 165-174
- Drake, J. B., R. O. Dubayah, D. B. Clark, R. G. Knox, J. B. Blair, M. A. Hofton, R. L. Chazdon, J. F. Weishampel, and S. Prince. 2002. Estimation of Tropical Forest Structural Characteristics Using Large-footprint Lidar. *Remote Sensing of Environment*. 79: 305-319.
- Montgomery, R. A. and R. L. Chazdon. 2001. Forest structure, canopy architecture, and light transmittance in tropical wet forests. *Ecology* 82 : 2707-2718.
- Chazdon, R. L., R. K. Colwell, and J. S. Denslow. 1999. Tropical tree richness and resource-based niches. *Science* 285: 1459a [on-line journal only].
- Chazdon, R. L. and F. G. Coe. 1999. Ethnobotany of woody species in second-growth, old-growth, and selectively logged forests of northeastern Costa Rica. *Conservation Biology* 13: 1312-1322.
- Nicotra, A. B., R. L. Chazdon, and S. Iriarte. 1999. Spatial heterogeneity of light and woody seedling regeneration in tropical wet forests. *Ecology* 80: 1908-1926.
- Canham, C. D., R. K. Kobe, Latty, E. F. Chazdon, R. L. 1999. Interspecific and intraspecific variation in tree seedling survival: effects of allocation to roots versus carbohydrate reserves. *Oecologia* 121: 1-11.
- Dupuy, J. M. and R. L. Chazdon. 1998. Long-term effects of forest regrowth and selective logging on the seed bank of tropical forests in NE Costa Rica. *Biotropica* 30: 223-237.
- Butler, B. J. and R. L. Chazdon. 1998. Species richness, spatial variation, and abundance of the soil seed bank of a secondary tropical rain forest. *Biotropica* 30: 214-222.
- Guariguata, M. R., R. L. Chazdon, J. S. Denslow, J. M. Dupuy and L. Anderson. 1997. Structure and floristics of secondary and old-growth forest stands in lowland Costa Rica. *Plant Ecology* 132: 107-120.
- Nicotra, A. B., R. L. Chazdon and C. D. Schlichting. 1997. Patterns of genotypic variation and phenotypic plasticity of light response in two tropical *Piper* (Piperaceae) species. *American Journal of Botany* 84: 1542-1553.

- Kabakoff, R. P. and R. L. Chazdon. 1996. Effects of canopy species dominance on understory light availability in tropical secondary rain forest. *Journal of Tropical Ecology* 12: 779-788.
- Chazdon, R. L. 1996. Spatial heterogeneity in tropical forest structure: canopy palms as landscape mosaics. *Trends in Ecology and Evolution* 11: 8-9
- Braker, E. and R. L. Chazdon. 1993. Ecological, behavioural and nutritional factors influencing use of palms as host plants by a neotropical forest grasshopper. *Journal of Tropical Ecology* 9: 183-195.
- Chazdon, R. L. and S. Kaufmann. 1993. Plasticity of leaf anatomy of two rain forest shrubs in relation to photosynthetic light acclimation. *Functional Ecology* 7: 385-394.
- Chazdon, R. L. 1992. Effects of leaf and ramet removal on growth and reproduction of *Geonoma congesta*, a clonal understory palm. *Journal of Ecology* 79: 1137-1146.
- Chazdon, R. L. 1992. Patterns of growth and reproduction in *Geonoma congesta*, a clustered understory palm. *Biotropica* 24: 43-51.
- Chazdon, R. L. 1992. Photosynthetic plasticity of two rain forest shrubs across natural gap transects. *Oecologia* 92: 586-595.
- Chazdon, R. L. 1991. Plant size and form on the understory palm genus *Geonoma*: are species variations on a theme? *American Journal of Botany* 78: 680-694.
- Chazdon, R. L. and R. W. Pearcy. 1991. The importance of sunflecks for forest understory plants. *Bioscience* 41: 760-766.
- Chazdon, R. L. 1988. Sunflecks and their importance to forest understory plants. *Advances in Ecological Research* 18: 1-63.
- Chazdon, R. L. 1988. Conservation-conscious collecting: concerns and guidelines. *Principes* 32: 13-17.
- Chazdon, R. L., K. Williams, and C. B. Field. 1988. Interactions between crown structure and light environment in five rainforest *Piper* species. *Amer. J. Bot.* 75: 1459-1471.
- Chazdon, R. L. 1987. The palms of Braulio Carrillo National Park, Costa Rica. *Brenesia* 28: 107-116. [Actually published in January 1989]
- Chazdon, R. L. and C. B. Field. 1987. Determinants of photosynthetic capacity in six *Piper* species. *Oecologia* 73: 222-230.
- Chazdon, R. L. and C. B. Field. 1987. Photographic estimation of photosynthetically active radiation: evaluation of a computerized technique. *Oecologia* 73: 525-532.
- Chazdon, R. L. 1986. Physiological and morphological basis of shade tolerance in rainforest understory palms. *Principes* 30: 92-99.
- Chazdon, R. L. and R. W. Pearcy. 1986. Photosynthetic responses to light variation in rainforest species. I. Induction under constant and fluctuating light conditions. *Oecologia* 69: 517-523.
- Chazdon, R. L. and R. W. Pearcy. 1986. Photosynthetic responses to light variation in rainforest species. II. Carbon gain and photosynthetic efficiency during lightflecks. *Oecologia* 69: 524-531.
- Chazdon, R. L. 1986. The costs of leaf support in understory palms: economy versus safety. *Amer. Natur.* 127: 9-30.
- Chazdon, R. L. 1986. Light variation and carbon gain in rainforest understory palms. *J. Ecol.* 74: 995-1012.

- Chazdon, R. L. 1985. Palm research at La Selva, Costa Rica. *Principes* 29: 72-73.
- Moore, H. E., Jr. and R. L. Chazdon. 1985. Key to the palms of Finca La Selva. *Principes* 29: 82-84.
- Chazdon, R. L. and R. J. Marquis. 1985. Key to seedling palms of Finca La Selva. *Principes* 29: 79-82.
- Chazdon, R. L. 1985. The palm flora of Finca La Selva. *Principes* 29: 74-78.
- Chazdon, R. L. 1985. Leaf display, canopy structure, and light interception of two understory palm species. *Amer. J. Bot.* 72: 1493-1502.
- Chazdon, R. L. and Fetcher, N. 1984. Photosynthetic light environments in a lowland tropical rainforest in Costa Rica. *J. Ecol.* 72: 552-564.
- Chazdon, R. L. 1979. Ecological aspects of the distribution of C<sub>4</sub> grasses in selected habitats of Costa Rica. *Biotropica* 10: 265-269.

#### Conference Proceedings and Solicited Articles (not Peer-Reviewed)

- Chazdon, R. L., D. Burslem, and I. Turner. 2002. Tim Whitmore—Recalling a Giant (Obituary for T. C. Whitmore). *Tropinet* 13 (3): page 2. [September 2002]
- Chazdon, R. L. 2001. Forests in transition: Regeneration processes in second-growth and mature lowland rain forests of northeastern Costa Rica. *Proceedings of the Society for Tropical Biology International conference on Tropical Ecosystems: Structure, Diversity and Human Welfare, July 15-18, 2001, Bangalore, India.*
- Chazdon, R. L. 2001. Diversity, stability, and evolution of professional ecologists—A report on the ESA membership 2000. *Bulletin of the Ecological Society of America* In press. [the full report is published on ESA web site (<http://esa.sdsc.edu/report/>)]
- Chazdon, R. L. 1998. Tropical forests—log 'em or leave 'em? *Science* 281: 1295-1296.
- Chazdon, R. L. 1998. Phoenix rising? Fragility and resilience of tropical forests. *Tropinet* vol. 9, no. 3 [based on ATB Presidential Address, Baltimore MD, August 1998]
- Chazdon, R. L. 1998. The work of Paul Richards lives on. *Tropinet* vol 9, no. 1
- Chazdon, R. L. and F. G. Coe. 1998. Abundance and diversity of useful woody species in second-growth, old-growth, and selectively-logged forests of NE Costa Rica. In: M. R. Guariguata and B. Finegan (Eds). *Tropical Secondary Forests: Science, People, and Policy*. CATIE/CIFOR. Turrialba, Costa Rica.
- Chazdon, R. L. 1994. Researching the rain forest. *New Moon* 1: 18-20.
- Chazdon, R. L. 1994. The primary importance of secondary forests in the tropics. *Tropinet* vol. 5, no. 2 [Editorial].
- Colwell, R. K. and R. L. Chazdon. 1989. The Organization for Tropical Studies. *In: World Book Encyclopedia Science Year 1990*, 173-185.
- Pearcy, R. W., R. L. Chazdon, and M.U.F. Kirschbaum. 1987. Photosynthetic utilization of lightflecks by tropical forest plants. *In: Progress in Photosynthesis Research, Vol. IV* (Ed. by J. Biggens), pp. 257-260. Martinus Nijhoff. Dordrecht
- Chazdon, R. L. 1987. Aspectos importantes para el estudio de los regimenes de luz en bosques tropicales (Important aspects of the study of light environments in tropical forests), *Revista de Biología Tropical (Suplemento 1)* 35: 191-196.

#### Book Reviews

- Chazdon, R. L. 2003. Review of *Evolution and Ecology of Palms* by Andrew Henderson. *Principes* 47: 149-150.
- Chazdon, R. L. 1998. A tropical rainforest feast. *Trends in Ecology and Evolution* 13: 421-422 [review of 3 books].
- Chazdon, R. L. 1998. Review of "The Tropical Rain Forest, 2<sup>nd</sup> Edition" by P. W. Richards. *Ecoscience* 5: 132-137
- Chazdon, R. L. 1996. Review of "The Palms of the Amazon" by Andrew Henderson. *The Quarterly Review of Biology* 71: 125-126.
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