

## CURRICULUM VITAE of MARK S. ASHTON

### PRESENT ADDRESS:

Office:  
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### EDUCATION:

**1986-90** Yale University, School of Forestry and Environmental Studies.  
**Ph.D.** in forest ecology (regeneration ecophysiology). Advisors: D.M. Smith; F.H. Bormann  
**1983-85** Yale University, School of Forestry and Environmental Studies.  
**M.F.** in silviculture, economic analysis. Advisors: C.L Binkley; B.C. Larson  
**1979-82** University of Maine, Orono, College of Forest Resources.  
**B.S.** (with high honors) in forestry.

### ACADEMIC APPOINTMENTS:

**2000-** Professor of Silviculture and Forest Ecology, Yale University  
**2000-** Director of School Forests, Yale University  
**1999-** Associate Scientist, Smithsonian Tropical Research Institute, Panama  
**1998-02** John D. Musser Director of the Tropical Resources Institute, Yale University  
**1996-00** Associate Professor of Silviculture, Yale University, School of Forestry and Environmental Studies.  
**1992-96** Assistant Professor of Silviculture, Yale University, School of Forestry and Environmental Studies.  
**1991-92** Lecturer of Silviculture, Yale University, School of Forestry and Environmental Studies.

### PROFESSIONAL INTERESTS:

Research concerns tree seedling ecology, physiological and morphological adaptations of leaves to environment, forest microenvironments, disturbance and landscape level dynamics of forests and their applications to: regeneration silviculture of natural forests, restoration of degraded forestlands, plantation analogs of mixed-species stands, and silviculture of non-timber forest crops.

Teaching concentrates on all aspects of silviculture and forest ecology with a particular emphasis on natural forests - worldwide. Other areas of interest include management of protected areas broadly defined; forest watershed issues of the urban - rural interface; and agroforestry systems as models for community development.

### BIOGRAPHICAL SKETCH:

Born in the Brunei Sultanate. Early childhood in Sarawak and Brunei, later moved to Scotland and now living in New England, USA. Traveled widely throughout South and Southeast Asia, Europe, and North and South America. Conducted long-term field research for over 20 years in Sri Lanka, India and New England, USA; and for over eight years in Panama. Short-term research sites (2-5 years) have been in British Columbia and Saskatchewan, Canada; the Peruvian Amazon; Ecuador; Central African Republic; Puerto Rico; and Malaysia. Native language English but also speak conversational Sinhala and basic Spanish and French.

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### TEACHING AND RESEARCH HONORS AND AWARDS: (for last ten years)

2003 Recognition of public service, State of Connecticut  
 2002 Licensed Professional Forester, State of Connecticut  
 2002 Certified Senior Ecologist, Ecological Society of America

- 2002 Acknowledgment of Teaching Excellence - Yale student class 2002 (large class category).  
 2001 Certified Forester, Society of American Foresters  
 1999 Acknowledgment of Teaching Excellence - Yale student class 1999 (student advising).  
 1998 Acknowledgment of Teaching Excellence - Yale student class 1998 (large class category).  
 1997 UNESCO Sultan Quaboos prize for Environmental Conservation.  
 1996 Nominee - Food and Agricultural Sciences Excellence in College and University Teaching.  
 1996 Acknowledgment of Teaching Excellence - Yale student class 1996 (small class category).  
 1996 Leopold Schepp Award for Forest Conservation  
 1995 Licensed Professional Forester, State of Maine  
 1995 Acknowledgment of Teaching Excellence - Yale student class 1995 (student advising).  
 1995 Nominee - Food and Agricultural Sciences Excellence in College and University Teaching.  
 1994 Acknowledgment of Teaching Excellence - Yale student class 1994 (large class category).  
 1994 Appalachian Trail Countryside Initiative Award from National Park Service.  
 1993-1994 Massachusetts Trustees of Reservations awards for protected areas management plans.  
 1993 Acknowledgment of Teaching Excellence - Yale student class 1993 (large class category).

### PROFESSIONAL EXPERIENCE AND SERVICE :

#### Consultant/Advisor:

- 02-ongoing Member, Forest Practices Board, State of Connecticut.  
 01-ongoing Board of Directors, Connecticut Forest and Park Association, CT.  
 01-ongoing Chair, Soils/Ecology Working Groups, New England Society of American Foresters  
 00-ongoing Scientific Advisory board - Watershed management for the City of New York, DEP.  
 99-ongoing Principle Investigator - Prorena Program, A Smithsonian/Yale Joint Research Program  
 98-00 Aerial reforestation with Massachusetts Institute of Technology and Lockheed Martin, Inc.  
 98-ongoing Board of Directors, Sri Lankan Program for Forest Conservation, Sri Lanka.  
 98-99 Consultant for World Wildlife Fund Kikori sustainable forest management project, PNG.  
 97 Silvicultural advisor to Anderson Tully Company, Memphis, TN  
 97 Silvicultural consultant for South African Pulp & Paper Inc., SD.Warren division, ME  
 96-ongoing Scientific Advisory Board, Quabbin Reservation, Massachusetts Water Authority, MA  
 96-ongoing InterForest LLC, Global forest community development and investment projects  
 94-ongoing Contract research for Mistik Management, Saskatchewan - regeneration methods for spruce-aspen mixtures.  
 94-95 Consultant for Centre for International Forest Research, Bogor, Indonesia.  
 92 Consultant for World Bank - tropical forest management.  
 91-94 Advisor for Sustainable Forest Systems, Inc. Growing high value hardwoods in the tropics.  
 91-ongoing Advisor for Smithsonian Tropical Research Institute - long term management sites in forests of southeast Asia.  
 90-00 Consultant for Winrock International, Institute for Agricultural Development.  
 90 Consultant for Louis Berger International - Indonesian forest management.

#### Peer Review Contributions:

- Associate Editor:** Biotropica (2003-2007); Forest Science (1998-2007); Forest Ecology and Management (1997-ongoing); Journal of Sustainable Forestry (1994-2000).  
**Reviewer:** American Journal of Botany, Biological Conservation, Biotropica, Canadian Journal of Botany, Canadian Journal of Forest Research, Conservation Biology, Ecology, Ecological Applications, Ecological Monographs, Economic Botany, Environmental Conservation, Forest Ecology and Management, Forest Science, Journal of Applied Ecology, Journal of Ecology, Journal of Environmental Management, Journal of Forestry, Journal of Sustainable Forestry, Journal of Tropical Ecology, Journal of Tropical Forest Science, New Forests, New Phytologist, Nature, Northern Journal of Applied Forestry, Oecologia, Science.  
**Reviewer:** National Science Foundation, NASA competitive grants, USDA competitive grants program.  
**Book Manuscript Reviewer:** Iland Press, Kluwer Academic Press, Oxford University Press, Yale University Press.  
**Series Editor:** New York Botanical Garden/Tropical Resources Institute Regional Field Guides to Tropical Plants (in preparation with C. Peters, D. Stevenson-NYBG).

#### Professional Societies: (member)

American Association for Advancement of Science; Botanical Society of America  
 British Ecological Society; Ecological Society of America.  
 Society of American Foresters-Working group member of i) forest ecology, ii) silviculture,  
 iii) silviculture instructors, and iv) agroforestry.  
 Sigma Xi; Xi Sigma Pi Forestry Honors Society.

### University Service:

#### **School of Forestry and Environmental Studies, Yale University.**

Search committee for Biometeorologist tenure position 2002  
 Ad hoc committee forest focal area; Chair 2001-ongoing.  
 School forest committee; Chair 2001-ongoing.  
 Global Institute for Sustainable Forestry 2000 - ongoing.  
 Facilities and space; Chair 1999-2002.  
 Student affairs 1999-ongoing.  
 MF accreditation committee 1993-1994; 1998-1999; Chair 2003-2004.  
 Ad hoc committee on programs and centers 1998-1999 .  
 School transition committee 1998-1999.  
 Greenhouse committee 1998-ongoing.  
 Search committee for Tropical Resource Scientist position 1998-1999.  
 Yale Forest Forum 1997-2000.  
 School curriculum committee 1996-ongoing.  
 Doctoral admissions committee 1994-1999; 2004-ongoing.  
 Tropical Resources Institute Committee 1991-ongoing; Chair 1997-2002.  
 Search committee for forest management position 1997.  
 Ad hoc school forest review committee. Chair 1994-96.  
 Academic standing committee 1994-96.  
 Ad hoc committee to review centers 1994-1995.  
 Ad hoc committee to review Masters of Forestry program 1994-1995.  
 Search committee for landscape ecologist 1995.  
 Search committee for biometeorologist 1994.  
 Masters admissions committee 1992-1994; 2001-2004..  
 Ad hoc committee to review MES program 1992-93.

#### **Yale University.**

Marsh Botanic Gardens committee 1998-ongoing.  
 Participation in the Center for Earth Observation 1998-ongoing.  
 Participation in the Studies in Environment Program 1998-ongoing.  
 FES representative to the University Tribunal 1999-2000.

### Professional Field Experience:

2001- **Director of School Forests**, Yale University, Licensed practicing forester,  
 Senior Certified Ecologist (ESA); Certified Forester (SAF). Charged with supervising the  
 management of 12,000 acres of University forestlands in CT, VT and NH.  
 1986-88 **Forest Manager** Yale-Myers Forest, Woodstock Valley, CT.  
 Supervision of student interns, staff, and timber sales of an 8,000 acre forest.  
 1981-83 **Forestry and Natural Resource Consultant** Weston, MA.  
 Management plans and wildlife inventories for non-industrial private landowners  
 1981 **Intern Field Forester** (summer) Diamond International, ME.  
 Inventory of industrial timberlands.  
 1980 **Horticultural Intern** (summer) Arnold Arboretum, Harvard University, MA.  
 Propagation techniques, hardiness testing, and verification of living collections.  
 1979 **Park Naturalist** Cape Cod National Seashore, National Park Service, MA.  
 Monitored fledgling success for seabirds. Provided walks and lectures on ornithology  
 to visitors.

**FORMAL TEACHING:****1991-ongoing. Yale University courses taught every academic year:**

**The principles of applied ecology: The practice of silviculture.** Principal instructor. An introduction to the ecological techniques of protecting, restoring and manipulating forests worldwide for the production of various goods (e.g. timber, fruits, spices) and services (e.g. water, aesthetics) demanded by society. (60 lecture hrs; 8 field days).

**Management plans for protected areas.** Principal instructor and coordinator (with soil ecologist and sociologist). A clinical course concerned with the techniques of gathering and analyzing biophysical information for development of management plans. Contents include interpretation of aerial photographs, land records, property boundaries, taxes, and land transactions; learning field protocols for inventory of biophysical features; soil surveys; site classification and community typing; stand development pathways; trail assessments; silvicultural prescriptions; conservation build-out analysis, and stakeholder assessments. Supervised the completion of 27 professional level management reports for the National Park Service, State DEP, The Nature Conservancy, private landowners, City DEP (New Haven, Boston, New York), various foundations and many land trusts. (40 lecture hrs; 10 field days).

**Rapid assessments in forest conservation.** Principal instructor and coordinator (with policy scientist). A clinical course based on understanding both the social (e.g. property rights, population demographics, land use) and biophysical context (soils and geology, biogeography, forest dynamics) of a region wide resource issue. The focus invariably examines the balance between forest land protection and various uses. Student case study assessments of forest land conflict and community forest development have been done for: The Panama Canal Watershed; community forestry projects in Oaxaca, Mexico; the Sierra Nevada National Park of the Venezuelan Andes; The Amisconde project in La Amistad Biosphere Reserve, Costa Rica; and the Condor Biosphere Reserve initiative of the Ecuadorian Andes - published in The Journal of Sustainable Forestry. (40 lecture hrs; 10 field days).

**Field trips in silviculture and forest management.** (Austria, California, Germany, Czech Republic, UK, Western Canada, Slovenia, Southern US).

**Yale College Guest lecturer and student project advisor.**

Observing the earth from space.  
Studies in the environment seminar.

**1991-ongoing. Yale University courses taught on alternating academic years:**

**Analysis of silvicultural problems.** Principal instructor (with economist).

**Seminar in advanced silviculture.** Principal instructor (with other faculty).

**Previous courses taught.**

An ecosystem approach to forest watershed management (with two other faculty).

Seminar in advanced tropical forest ecology.

Seminar in alpine, arctic, and boreal ecosystems (with two other faculty).

Seminar in agroforestry

**Extension.**

1992-ongoing Sustainable management of tropical rain forest. Instructor. Field workshops for the Sri Lankan Forest Department and Sri Lankan government policy-makers.

1992-94 Silviculture for wildlife. Instructor. Part of an annual workshop for US Forest Service wildlife biologists.

1986-ongoing Designed, wrote (on a basis of field knowledge and literature), illustrated, and prepared for publication a layman's guide to trees of Puerto Rico (includes 373 species). A similar tree guide has been completed with in-county collaborators for Sri Lanka (includes 700 species).

**INFORMAL TEACHING**

**Thesis Supervision: Chairperson - doctoral students.**

- 2006- Elaine Hooper. Pattern in seed dispersal of forest fragments of Brazilian rainforest (in progress).  
 2005- Brent Frey. Change in floristic elevation gradients of the western Himalay in relation to climate (in progress).  
 2001- David Ellum. Understanding mechanisms in pattern and process of regeneration that can better define concepts about redundancy and resiliency of southern New England forests, USA. (In progress).  
 2001- Uromi Goodale. Physiological ecology of pioneer trees within a Sri Lankan rain forest (In progress; co-chair with Graeme Berlyn).  
 1999-2004 Heather Peckham. The ecology of forest regeneration on abandoned pasture lands of seasonal dry tropical forest, Panama. (Completed; co-chair with Dennis Stevenson, NYBG)  
 1997-2006 Richard Karty. Floristic pattern across and urban rural gradient of southern New England (In progress; co-chair with C. Peters, NYBG).  
 1996- Cesar Flores. The demographics of *Cedrella* spp. in relation to physiographic gradients and disturbance in the western Amazon basin, Peru (In progress)  
 1996-2002 Jefferson Hall. Is the distribution of sympatric *Entandrophragma* species in Central Africa the result of differences in competitive ability across soil moisture and fertility gradients? A study linking seedling performance, physiology and landscape scale edaphic variability (Completed).  
 1996-2003 Bronson Griscom. Bamboo control of forest dynamics in the Peruvian Amazon. (Completed; co-chair with Doug Daly, NYBG).  
 1994-1999 Rajesh Thadani. Human disturbance, changing microclimate and the regeneration of banj oak (*Quercus leucotrichophora* A. Camus) in the forests of the central Himalaya (Completed; co-chair with G.P. Berlyn).  
 1993-1999 Heidi Asbjornsen. The ecological consequences of habitat fragmentation in a human-dominated high-elevation oak-pine forest in Oaxaca, Mexico. (Completed; co-chair with Kristiina Vogt).  
 1993-2001 James Grogan. Investigations on the demography and regeneration ecology of bigleaf mahogany (*Swietenia macrophylla* King) in south Para, Brazil (Completed).  
 1992-1998 Peter Palmioto. The role of specialization in nutrient-use efficiency as a mechanism driving species diversity in a tropical rain forest. (Completed; co-chair with Kristiina Vogt).

**Committee member - doctoral students.**

- 1992-2006 M. Booth, M. Campos, M. Ducey, C. Erhingham, A. Finkral, N. Hendriksen, W-L. Li, A. Mathews, W.K. Moser, A. Richardson, H. Rodriguez, B. Shivaramakrishnan, S. Stout, J. Sturgeon, J. Tuxill, J. Velasquez-Runk (completed).  
 In progress R. Ashley, J. Bulkan, I. Cameron, K. Dayananda, R. Kelley, P. Marshall, J. McKenna (Umass), H. Mills, D. Piotta, A. Ponette (in progress).

**Faculty advisor - masters students - published peer-reviewed research under my guidance.**

- 2003-2006 L. Yocom (Yale School Forests)  
 2003-2006 D. Braden (Yale Teachers Program)  
 2003-2006 D. Craven (Prorena – Native Species Reforestation Project)  
 2002-2004 M. Aikens (Doctoral candidate, Univ. Vermont)  
 2002-2004 F. Rockwell (Doctoral candidate, Harvard Univ.)  
 2002-2004 V. Medjibe (Wildlife Conservation Int.)  
 2001-2003 M. Francis (Fulbright Fellow, Brazil)  
 1999-2001 D. Ellum (Doctoral candidate, Yale Univ.)  
 1999-2001 S. Quazi (Professor, International University, Bangladesh)  
 1999-2001 M. Fladeland (Presidential intern, NASA).  
 1999-2001 U. Goodale (Doctoral student, Yale University).  
 1998-2000 C. Kuebler (Program manager, Conservation International)  
 1998-2000 C. Young (The Nature Conservancy, Peru)  
 1997-1999 B. Hammond (Ecologist, Nature Conservancy).  
 1996-1998 L. Camara-Cabrales (Doctoral Candidate, University of Massachusetts).  
 1996-1998 P. Barreto (Forester, AMAZON, Brazil).  
 1995-1997 A. Evans (Presidential intern, US Geological Survey).  
 1995-1997 T. Shibayama (Environmental Consultant, Tokyo).  
 1995-1997 W. Stanley (Forester, Nature Conservancy).

- 1993-1995 C. Flores (Doctoral candidate, Yale University).  
 1993-1995 M. McGroddy (Doctoral candidate, UC Berkeley).  
 1993-1995 L. Olander (Doctoral candidate, Stanford University).  
 1993-1995 A. Troy (Ph.D., UC Berkeley; Ass. Prof. Univ. Vermont).  
 1993-1996 R. Cherry (Manager, Levi's Inc, Singapore).  
 1993-1996 A. Leighton (Ph.D. 2004, Univ. Massachusetts; Ecologist, Flat Head Indian Reservation, MT).  
 1993-1996 L. Raleigh (Ecologist, Trustees of Reservations, MA).  
 1992-1994 P. Baker (Ph.D. 1999, University of Washington; Ass. Prof. Univ. Melbourne, Australia).  
 1992-1994 C. Carron (Ph.D. 1999, Cornell University; Consultant, Sri Lanka).  
 1992-1994 A. Cohen (Doctoral candidate, University of Washington).  
 1992-1994 R. Thadani (Ph.D. 1999, Yale University; Director CHIRAG, India).  
 1990-1992 J. Hall (Phd. 2002, Yale University; Manager of Africa Programs, Wildlife Conservation Int).  
 1990-1992 M. Ducey (Ph.D. 1996, Yale University).

**Faculty advisor senior undergraduate thesis, Yale College.**

- 1992- M. Chung, G. Cullman, D. Liptzin, S. Lowry, E. Sonne, N. Stucky

**Faculty co-advisor - masters students - published peer-reviewed research, University of Peradeniya.**

- 1992-2006 S. Gamage, J. Samarasingha, H. Kaatacheri (completed).  
 1999- N. Perrera (in progress)

**Faculty co-advisor - masters students - published peer-reviewed research, University of Sri Jayawardenapura.**

- 1995-1998 P. Attygalle, S. Erdiriweera, H. Gamage, K. Pandithirathna, R. Uduporuwa (completed)  
 1999- S. Bandumala (in progress).

**RESEARCH PUBLICATIONS OF MARK S. ASHTON**

**BOOKS & MONOGRAPHS - IN PREPARATION**

- Kelty, M.J., M.S. Ashton and B.C. Larson. ----. The Practice of Silviculture: Applied Forest Ecology. 10th edition, Wiley & Sons, New York. (in prep).  
 Ashton, M.S. & F. Montagnini (Editors). -----. The Silvicultural Basis for Agroforestry Systems. 2nd edition. CRC Press, Boca Raton, Florida. (in prep)  
 Gunatilleke, C.V.S., Gunatilleke, I.A.U.N., Ashton, M.S., Ashton, P.S., & K. Dayananda (Editors). ----. Sinharaja: The Reconciliation of a Forest with its People in a Changing World. UNESCO MAB series. Parthenon Press, Paris. (in prep).  
 Forrest, T., & M.S. Ashton. ----. 3rd edition. Field Guide to the Common Trees and Shrubs of Puerto Rico. NYBG Press, New York. (in prep).  
 Ashton, M.S., and P.S. Ashton. -----. The silviculture and management of wet tropical forests. Oxford University Press, (in prep).  
 Ashton, M.S., & E. Garen (Editors). ----. Conservation Issues in the Sierra Nevada National Park, Venezuela: Protected Areas Management in the High Andes. Yale School of Forestry and Environmental Studies Bulletin (in prep).

**BOOKS & MONOGRAPHS - PUBLISHED OR IN PRESS**

9. Clark, T.W., Dixon, L., Ashton, M.S., & B. Petit (Editors). (2005). Innovation and appraisal of sustainability efforts in La Amistad, Bocas del Toro, Panama and Talamanca, Costa Rica. Journal of Sustainable Forestry, Special Issue 19: 1-293.
8. Clark, T.W., Ashton, M.S., Zimmerman, K., & Q. Newcomer (Editors). 2004. Conservation and development of the Condor Biosphere Reserve, Ecuador. Journal of Sustainable Forestry, Special Issue 18: 1-327.
7. Clark, T.W., Ashton, M.S. & J. Tuxill (Editors). 2002. Conservation or development? The case of the Amisconde project, La Amistad Biosphere Reserve, Costa Rica. Journal of Sustainable Forestry, Special Issue 16: 1-211.
6. Asbjornsen, H.A., & M.S. Ashton (Editors). 2001. Balancing conservation with development: A comparison of two forest communities in Oaxaca, Mexico. Journal of Sustainable Forestry, Special Issue 15: 1-131.
5. Ashton, M.S. & F. Montagnini (Editors). 1999. The Silvicultural Basis for Agroforestry Systems. CRC Press, Boca Raton, Florida. 278 p.
4. Ashton, M.S., O'Hara, J. & R. Hauff (Editors). 1999. Protecting watershed areas: Case of the Panama Canal. Haworth Press, Binghamton, New York. 214 p.

3. Ashton, M., Gunatilleke, S., de Zoysa, N., Gunatilleke, N., & S. Wijesundera. 1997. A Field Guide to the Common Trees and Shrubs of Sri Lanka. Wildlife Heritage Trust, Colombo. 432 p.
2. Smith, D.M., Larson, B.C., Kelty, M.J., & P.M.S. Ashton. 1997. The Practice of Silviculture: Applied Forest Ecology. 9th edition, Wiley & Sons, New York. 537 pp.
1. Ashton, P.M.S. 1989. Second edition. Foresters Field Guide to the Common Trees and Shrubs of Puerto Rico. Tropical Resources Institute, Yale University, New Haven, Connecticut, USA. 180 p.

#### **JOURNAL PAPERS/BOOK CHAPTERS (Peer Reviewed) - IN REVIEW**

- Braden, D., Craven, D., Ashton, M.S., Berlyn, G.P., & M.H. Wishnie. ---- . Dry season photosynthetic decline: Possible causes and implications for native species reforestation at two sites with differing water and soil fertility in Panama. Tree Physiology (in review.)
- Griscom, H.P., Ashton, M.S., Wishnie, M., and J. Deago. ---- . Characterization of a deforested, dry tropical landscape, Azuero Peninsula, Panama. Restoration Ecology (in review).
- Griscom, H.P., Griscom, B.W., & M.S. Ashton. ---- . Pattern and process of forest succession within experimental trials of a dry tropical pasture, Azuero Peninsula, Panama. Journal of Tropical Ecology (in review)
- Ashton, P.M.S., ---- . Germination and seedling growth of *Quercus* (section *Erythrobalanus*) in simulated light environments of a broadleaved forest. Canadian Journal of Forest Research (in review).
- Panditharathna, P.A.K.A.K., Singhakumara, B.M.P., and M. S. Ashton. ---- . Changes in leaf structure for late-successional canopy trees of a Sri Lankan rain forest. Annals of Botany (in review).
- Aikens, M.L., Ellum, D., McKenna, J., Kelty, M.J., M.S. Ashton. ---- . The effects of disturbance intensity on temporal and spatial patterns of herb colonization across a canopy opening of a southern New England mixed-oak forest. Forest Ecology and Management (in review).
- Frey, B., Ashton, M.S., McKenna, J., Ellum, D. & A.Finkral. ---- . Topographic-related patterns in seedling establishment, growth, and survival among masting species of Southern New England hardwood forests. Forest Ecology and Management (in review).

#### **JOURNAL PAPERS/BOOK CHAPTERS (Peer Reviewed) - PUBLISHED OR IN PRESS**

82. Craven, D., Braden, D. Ashton, M.S., Berlyn, G.P., Wishnie, M., & D.Dent. 2007 . Between and within site comparisons of structural and physiological characteristics and foliar nutrient content of 14 tree species at a wet fertile site and a dry, infertile site in Panama. Forest Ecology and Management (in press).
81. Dent, D.H., Wishnie, M.H., Mariscal, E., Deago, J., Cedeño, N., Ibarra, D., Ashton, M.S., Condit, R. 2007. The growth and survival of 22 tropical tree species planted across a rainfall gradient in Panama; is performance related to natural distributions of species? Forest Ecology and Management. (in press).
80. Wishnie, M.H., Dent, D.H., Mariscal, E., Deago, J., Cedeño, N., Ibarra, D., Condit, R., Ashton, M.S. 2007. Performance of 24 tropical tree species in relation to reforestation strategies in Panama. Forest Ecology and Management. (in press).
79. Griscom, B.W., Daly, D., & P.M.S. Ashton. 2007. Comparative floristics of lowland terra firme forests with and without dominance by aborescent bamboo (*Guadua* spp.) in southwestern Amazonia. Bulletin of the Torrey Bot. Soc. (in press).
78. Griscom, H.P., Kalko, E., & M.S. Ashton. 2006 . Seed dispersers within a deforested, dry tropical region; Azuero Peninsula, Panama. Biotropica 38: 856-861.
77. Tomohiro, S., Ashton, M.S., Singhakumara, B.M.P., Griscom, H.P., Ediriweera, S. & B.W. Griscom. 2006 . Effects of fire on the recruitment of rain forest vegetation beneath *Pinus caribaea* plantations, Sri Lanka. Forest Ecology and Management 208: 233-238.
76. Griscom, B., & M.S. Ashton. 2006 . A self-perpetuating bamboo disturbance cycle in lowland terra firme forests of Madre de Dios, Peru. Journal of Tropical Ecology 22: 231-245.
75. Gunatilleke, C.V.S., Gunatilleke, I.A.U.N., Esufali, S., Harmes, K.E., Ashton, P.M.S., Burslem, D.F.R.P., & P.S. Ashton. 2006. Species-habitat associations in a Sri Lankan dipterocarp forest. Journal of Tropical Ecology 22: 343-356.

74. Ashton, M.S., Singhakumara, B.M.P., & H.G. Gamage. 2005. Interaction between light and drought affect performance of tropical tree species that have differing topographic affinities. Forest Ecology and Management 207:110-122.
73. Griscom, H.P., Ashton, M.S., & G.P. Berlyn. 2005. Seedling survival and growth of native tree species in pastures: implications for dry tropical forest rehabilitation in central Panama. Forest Ecology and Management 206:45-56.
72. Tennakoon, S., Giunatilleke, I.A.U.N., Hafeel, K.M., Gunatilleke, C.V.S., & M.S. Ashton. 2005. Ectomycorrhizal colonization and seedling growth of *Shorea* (Dipterocarpaceae) species in simulated shade environments of a Sri Lankan rain forest. Forest Ecology and Management 205: 300-306.
71. Thenkabail, P.S., Enclona, E.A., Ashton, M.S., & Van Der Meer, V. 2005. Accuracy Assessments of Hyperspectral Waveband Performance for Vegetation Analysis Applications. Remote Sensing of Environment 91: 1112-123.
70. Thenkabail, P.S., Stucky, N., Griscom, B.W., Ashton, M.S., Diels, J., Van Der Meer, B., & E. Enclona. 2004. Biomass estimations and carbon stock calculations in the oil palm plantations of African derived savannas using IKONOS data. International Journal of Remote Sensing 25: 5447-5472.
69. Grogan, J., Landis, R.M., Ashton, M.S., & J. Galvao. 2004. Growth response by big-leaf mahogany (*Swietenia macrophylla*) advance seedling regeneration to overhead canopy release in southeast Para, Brazil. Forest Ecology and Management 204: 399-412.
68. Asbjornsen, H.A., Ashton, M.S., & K.V. Vogt. 2004. Synergistic response of oak, pine and shrub seedlings to edge environments and drought in a fragmented tropical oak forest, Oaxaca, Mexico. Forest Ecology and Management 192: 313-334.
67. Thenkabail, P.S., Enclona, E.A., Ashton, M.S., Legg, C., Jean De Dieu, M. 2004. Hyperion, IKONOS, ALI, and ETM+ sensors in the study of African rainforests. Remote Sensing of Environment 90: 23-40.
66. Asbjornsen, H.A., Ashton, M.S., & D.J. Vogt. 2004. Effects of habitat fragmentation on the buffering capacity of edge environments in a seasonally dry tropical forest ecosystem in Oaxaca, Mexico. Agricultural Ecosystems 103: 481-495.
65. Kathiriarachchi, H.S., Tennakoon, K.U., Gunatilleke, C.V.S., Gunatilleke, I.A.U.N. & P.M.S. Ashton. 2004. Ecology of two selected liana species of utility value in a lowland rain forest of Sri Lanka: Implications for management. Conservation & Society 2: 273-288
64. Hall, J.S., McKenna, J.J., Ashton, P.M.S., & T.G. Gregoire. 2004. Habitat characterizations underestimate the role of edaphic factors controlling the distribution of *Entandrophragma*. Ecology: 85: 2171-2183.
63. Palmiotto, P.A., Davies, S.A., K. A. Vogt, P. M. S. Ashton, D.J. Vogt & P. S. Ashton. 2004. Soil related habitat specialization in dipterocarp rain forest tree species in Borneo. Journal of Ecology 92: 609-623.
62. Gunatilleke, C.V.S., Gunatilleke, I.A.U.N., Ethugala, A.U.K., Weerasekara, N.S., Ashton, P.S., Ashton, P.M.S., & S. Wijesundara. 2004. Community ecology of a spatially explicit rain forest plot in Sinharaja, Sri Lanka. In "Forest diversity and dynamism: Results from the global network of large-scale demographic plots" Losos, E., & E. Leigh (Eds.). University of Chicago Press, Chicago, pp. 235-256.
61. Palmiotto, P.A., Vogt, K.A., Ashton, P.M.S., Ashton, P.S., Vogt, D.J., Semui, H., & L.H. Seng. 2004. Linking canopy gaps, topography and soils in a tropical rain forest: Implications for species diversity. In "Forest diversity and dynamism: Results from the global network of large-scale demographic plots" Losos, E., & R. Leigh (Eds.). University of Chicago Press, Chicago, pp 101-125.
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