

Suggested Reading - Honduras Forest

Projects - links to research areas

[Herpetofauna](#)

[Genetics](#)

[Indicator species](#)

[Birds](#)

[Bats](#)

[Tree structure](#)

[Bromeliads](#)

Also check the Operation Wallacea website library pages for publications and research reports

Herpetofauna Projects

The effect of forest disturbance and disease on the abundance and distribution of herpetofauna communities in the Cusuco National Park

Bell KE & Donnelly MA (2006) Influence of forest fragmentation on community structure of frogs and lizards in Northeastern Costa Rica. *Conservation Biology* **20**: 1750-1760

Beebee TJC & Richard A. Griffiths RA (2005) The amphibian decline crisis: A watershed for conservation biology? *Biological Conservation* **125**: 271-285

Doan TM, & Arriaga WA (2002) Microgeographic variation in species composition of the herpetofaunal communities of Tambopata Region, Peru. *Biotropica*. **34**: 101-117

Ernst R, et al., (2008) Patterns of community composition in two tropical tree frog assemblages: separating spatial structure and environmental effects in disturbed and undisturbed forests. *Journal of Tropical Ecology*. **24**: 111-120

Fredericksen NJ, & Fredericksen TS (2004) Impacts of selective logging on amphibians in a Bolivian tropical humid forest. *Forest Ecology and Management*. **191**: 275-282

Freedman AH, Buermann W, Lebreton M, Chirio L & Smith TB (2009) Modeling the effects of anthropogenic habitat change on savanna snake invasions into African rainforest. *Conservation Biology* **23**: 81-92

Gardner, T.A., Barlow, J. & Peres, C.A. (2007) Paradox, presumption and pitfalls in conservation biology: consequences of habitat change for amphibians and reptiles. *Biological Conservation*. **138**: 166–179.

- Gibbons JW, et al., (2000) The global decline of reptiles, Deja Vu amphibians. *Bioscience*. **50**: 653-666
- Hamer KC, & Hill JK (2000) Scale-dependent effects of habitat disturbance on species richness in tropical forests. *Conservation Biology*. **14**: 1435-1440
- Harper EB, Rittenhouse TAG, Semlitsch RD (2008) Demographic consequences of terrestrial habitat loss for pool-breeding amphibians: Predicting extinction risks associated with inadequate size of buffer zones *Conservation Biology* **22**: 1205-1215
- Kruger KM, Pereoglou F, Hero JM (2007) Latitudinal variation in the prevalence and intensity of chytrid (*Batrachochytrium dendrobatidis*) infection in Eastern Australia. *Conservation Biology* **21**: 1280-1290
- Luja VH, Herrando-Pérez S, González-Solís D & Luiselli L (2008) Secondary rain forests are not havens for reptile species in tropical Mexico. *Biotropica* **40**: 747-757
- Murray KA, Skerratt LF, Spearer & McCallum H (2009) Impact and dynamics of disease in species threatened by the amphibian chytrid fungus, *Batrachochytrium dendrobatidis*. *Conservation Biology* DOI 10.1111/j.1523-1739.2009.01211
- Pearman PB (1997) Correlates of Amphibian Diversity in an Altered Landscape of Amazonian Ecuador. *Conservation Biology* **11**: 1211-1225
- Puschendorf R, Federico Bolaños F, & Chaves G (2006) The amphibian chytrid fungus along an altitudinal transect before the first reported declines in Costa Rica *Biological Conservation* **132**: 136-142
- Ribeiro R, Santos X, Sillero N, Carretero MA, & Llorente GA (2009) Biodiversity and land use at a regional scale: Is agriculture the biggest threat for reptile assemblages? *Acta Oecologica*, **35**: 327-334.
- Ryan MJ, Lips KR, Eichholz MW. (2008) Decline and extirpation of an endangered Panamanian stream frog population (*Craugastor punctariolus*) due to an outbreak of chytridiomycosis. *Biological Conservation* **141**: 1636-1647
- Skerratt, LF, Berger L, Speare R, Cashins S, McDonald KR, Phillott AD, Hines HB & Kenyon N (2007) Spread of chytridiomycosis has caused the rapid global decline and extinction of frogs. *EcoHealth* DOI: 10.1007/s10393-007-0093-5
- Stuart, SN, Chanson JS, Cox NA, Youn BE, Rodrigues ASL, Fischman DL, & Waller RW. (2004) Status and trends of amphibian declines and extinctions worldwide. *Science* **306**: 1783-1786
- Vallan D (2002). Effects of anthropogenic environmental changes on amphibian diversity in the rain forests of eastern Madagascar. *Journal of Tropical Ecology*. **18**: 725-742

Vitt LJ, Avila-Pires TCS, Caldwell, JP, & Oliveira VRL (1998). The impact of individual tree harvesting on thermal environments of lizards in Amazonian rain forest. *Conservation Biology*. **12**: 654-664.

Wake DB & Vredenburg VT. (2008) Are we in midst of the sixth mass extinction? A view from the world of amphibians. *Proceedings of the National Academy of Sciences* **105**: 11466-11473.

Young, BE et al., (2001) Population Declines and Priorities for Amphibian Conservation in Latin America *Conservation Biology* **15**: 1213-1223

Genetics Projects

The need to study species genetic diversity and distribution within the Cusuco National Park

Berthier K, Galan M, Foltete JC, Charbonel N & Cosson JF (2005) Genetic structure of the cyclic fossorial water vole (*Arvicola terrestris*): landscape and demographic influences. *Molecular Ecology* **14**: 2861-2871

Corander J, Waldman P, Silanpaa MJ (2003) Bayesian analysis of genetic differentiation between populations. *Genetics* **163**: 367-374

Evanno, G, Castella E, Antoine C, Paillat G & Goudet J (2009) Parallel changes in genetic diversity and species diversity following a natural disturbance. *Molecular Ecology* **18**: 1137-1144

Evans, SR & Sheldon BC (2008) Interspecific patterns of genetic diversity in birds: Correlations with extinction risk. *Conservation Biology* **22**: 1016-1025

Garner A, Rachlow JL & Hicks JF (2005) Patterns of genetic diversity and its loss in mammalian populations. *Conservation Biology* **19**: 1215-1221

Gallo LA, Marchelli P, Chauchard L & Gonzalez-Peñalba M (2009) Knowing and doing: Research leading to action in the conservation of forest genetic diversity of Patagonian temperate forests. *Conservation Biology* **23**: DOI 10.1111/j.1523-1739.2009.01210.x

Guillot G, Mortier F, Estoup A (2005) GENELAND: a computer package for landscape genetics. *Molecular Ecology Notes* **5**: 712-715

Honnay O & Jacquemyn H (2007) Susceptibility of common and rare plant species to the genetic consequences of habitat fragmentation. *Conservation Biology* **21**: 823-831

- James RA, Leberg PL, Quattro JM & Vrijenhoek RC (1997) Genetic diversity in black howler monkeys (*Alouatta pigra*) from Belize. *American Journal of Physical Anthropology* **102**: 329-336
- Johansson M, Primmer CR, Sahlsten J & Merilä J (2005) The influence of landscape structure on occurrence, abundance and genetic diversity of the common frog, *Rana temporaria*. *Global Change Biology* **11**: 1664-1679
- Latch EK, Dharmarajan G, Glaubitz JC, Rhodes OL (2006) Relative performance of Bayesian clustering software for inferring population substructure and individual assignment at low levels of population differentiation. *Conservation Genetics* **7**: 295-302
- Manel S, Schwartz MK, Luikart G, & Taberlet P (2003) Landscape genetics: combining landscape ecology and population genetics. *TREE* **18**: 189-197
- Miller MP (2005) Alleles in space (AIS): Computer software for the joint analysis of inter-individual spatial and genetic information. *Journal of Heredity* **96**: 722-724
- Moore JA, Miller HC, Daugherty CH & Nelson NJ (2008) Fine-scale genetic structure of a long-lived reptile reflects recent habitat modification *Molecular Ecology* **17**: 4630-4641
- Ng KKS, Lee SL & Koh CL (2006) Spatial structure and genetic diversity of two tropical tree species with contrasting breeding systems and different ploidy levels. *Molecular Ecology* **13**: 657-669
- Palo JU, Schmeller DS, Laurila A., Primmer CR., Kuzmin SL & Merilä J (2004) High degree of population subdivision in a widespread amphibian. *Molecular Ecology* **13**: 2631-2644
- Pritchard JK, Stephens M, Donnelly P (2000) Inference of population structure using multilocus genotype data. *Genetics* **155**: 945-959
- Russell AL, Ranivo J, Palkovacs EP, Goodman SM, Yoder AD (2007) Working at the interface of phylogenetics and population genetics: a biogeographical analysis of *Trianops* spp. (Chiroptera: Hipposideridae). *Molecular Ecology* **16**: 839-851
- Shoemaker JS, Painter IS, Weir BS (1999) Bayesian statistics in genetics. *Trends in Genetics* **15**: 354-358
- Spear SF, Peterson CR, Matocq MD & Storfer A (2005) Landscape genetics of the blotched tiger salamander (*Ambystoma tigrinum melanostictum*). *Molecular Ecology* **14**: 2553-2564

Spencer CC, Neigel JE & Leberg PL (2000) Experimental evaluation of the usefulness of microsatellite DNA for detecting demographic bottlenecks. *Molecular Ecology* **9**: 1517-1528

Werth S, Wagner HE, Holderegger R, Kalwij JM & Scheidegger C (2006) Effect of disturbances on the genetic diversity of an old-forest associated lichen. *Molecular Ecology* **15**: 911-921

Wimp GM, Young WP, Woolbright SA, Martinsen GD, Paul Keim P & Whitham TG (2004) Conserving plant genetic diversity for dependent animal communities *Ecology Letters* **9**: 776-780

Indicator Species Projects

The use of invertebrates as indicator species for forest system health / water quality monitoring

Andresen E (2003) Effect of forest fragmentation on dung beetle communities and functional consequences for plant regeneration. *Ecography* **26**: 87-97.

Anderson RS & Ashe, JS (2000) Leaf litter inhabiting beetles as surrogates for establishing priorities for conservation of selected tropical montane cloud forests in Honduras, Central America (Coleoptera; Staphylinidae, Curculionidae). *Biodiversity and Conservation* **9**: 617-653.

Armitage PD, Bowes MJ & Vincent HM (2007) Long-term changes in macroinvertebrate communities of a heavy metal polluted stream: the river Nent (Cumbria, UK) after 28 years. *River Research and Applications* **23**: 997-1015

Armitage PD & Petts GR (1992) Biotic score and prediction to assess the effects of water abstractions on river macroinvertebrates for conservation purposes. *Aquatic Conservation: Marine and Freshwater Ecosystems* **2**: 1-17

Bani L, Massimino D, Bottoni L & Massa (2006) A Multiscale Method for Selecting Indicator Species and Priority Conservation Areas: a Case Study for Broadleaved Forests in Lombardy, Italy. *Conservation Biology* **20**: 512-526

Basset A, Sangiorgio F & Pinna M (2004) Monitoring with benthic macroinvertebrates: advantages and disadvantages of body size descriptors. *Aquatic Conservation: Marine and Freshwater Ecosystems* **14**: S43-S58

Chadd R & Extence C (2004) The conservation of freshwater macroinvertebrate populations: a community-based classification scheme. *Aquatic Conservation: Marine and Freshwater Ecosystems* **14**: 597-624

- Durrance I & Ormerod SJ (2009) Trends in water quality and discharge confound long-term warming effects on river macroinvertebrates. *Freshwater Biology* **54**: 388-405
- Harper D & Everard M (1998) Why should the habitat-level approach underpin holistic river survey and management? *Aquatic Conservation: Marine and Freshwater Ecosystems* **8**: 395-413
- Horgan FG (2005) Effects of deforestation on diversity, biomass and function of dung beetles on the eastern slopes of the Peruvian Andes. *Forest Ecology and Management* **216**: 117-133.
- Howden HF & Nealis VG (1975) Effects of clearing in a Tropical Rain Forest on the Composition of the Coprophagous Scarab Beetle Fauna (Coleoptera). *Biotropica* **7**: 77-83.
- Kasangaki A, Chapman LJ & Balirwa J (2008) Land use and the ecology of benthic macroinvertebrate assemblages of high-altitude rainforest streams in Uganda *Freshwater Biology* **53**: 681-697
- Klein BC (1989) Effects of Forest Fragmentation on Dung and Carrion Beetle Communities in Central Amazonia. *Ecology* **70**: 1715-1725.
- Larsen, T.H., Lopera, A., & Forsyth, A. (2006) Extreme Trophic and Habitat Specialization by Peruvian Dung Beetles (Coleoptera: Scarabaeidae: Scarabaeinae). *The Coleopterists Bulletin* **60**: 315-324.
- Lawton, J.H., Bignell, D.E., Bolton, B., Bloemers, G.F., Eggleton, P., Hammond, P.M., Hodda, M., Holt, R.D., Larsen, T.B., Mawdsley, N.A., Stork, N.E., Srivastava, D.S., & Watt, A.D. (1998) Biodiversity inventories, indicator taxa and effects of habitat modification in tropical forest. *Nature* **391**: 72-76.
- Isua, B., Molem, K., Manumbor, M., Tamtiai, E., Mogia, M., & Weiblen, G.D. (2007) Low beta diversity of herbivorous insects in tropical forests. *Nature* **448**: 692-695.
- Nummelin, M. & Hanski, I. (1989) Dung Beetles of Kibale Forest, Uganda; Comparison between Virgin and Managed Forests. *Journal of Tropical Ecology* **5**: 349-352.
- Scheffler, P.Y. (2005) Dung beetle (Coleoptera : Scarabaeidae) diversity and community structure across three disturbance regimes in eastern Amazonia. *Journal of Tropical Ecology* **21**: 9-19.
- Tomanova S, Moya N & Oberdorff T (2008) Using macroinvertebrate biological traits for assessing biotic integrity of neotropical streams. *River Research and Applications* **24**: 1230-1239

Usseglio-Polatera P & Beisel JN (2002) Longitudinal changes in macroinvertebrate assemblages in the Meuse River: anthropogenic effects versus natural change. *River Research and Applications* **18**: 197-211

Weijters MJ, Janse JH, Alkemade R & Verhoeven JTA (2009) Quantifying the effect of catchment land use and water nutrient concentrations on freshwater river and stream biodiversity. *Aquatic Conservation: Marine and Freshwater Ecosystems* **19**: 104-112

Wright JF, Furse MT, & Moss D (1998) River classification using invertebrates: RIVPACS applications. *Aquatic Conservation: Marine and Freshwater Ecosystems* **8**: 617-631

Bird Projects

Assessing the human impact on the avian populations in the Cusuco National Park

Anjos L (2006) Bird species sensitivity in a fragmented landscape of the Atlantic forest in Southern Brazil. *Biotropica* **38**: 229-234

Blake, J.G. and Loiselle, B.A. (2001) Bird assemblages in second-growth and old-growth forests, Costa Rica; perspectives from mist-nets and point-counts. *The Auk* **118**: 304-326

Brambilla M & Rubolini D (2009) Intra-seasonal changes in distribution and habitat associations of a multi-brooded bird species: implications for conservation planning *Animal Conservation* **12**: 71-77

Brooks M, Mittermeier RA, Mittermeier CG, da Fonseca GAB, Rylands AB, Konstant WR, Flick P, Pilgrim J, Oldfield S, Magin G, Hilton-Taylor C. (2002) Habitat loss and extinction in the hotspots of Biodiversity. *Conservation Biology* **16**: 909 - 923

Carlo TA, Collazo JA & Groom MJ (2004) Influences of fruit diversity and abundance on bird use of two shaded coffee plantations. *Biotropica* **36**: 602-614

Gove AD, Hylander K, Nemomisa S & Shimelis A (2008) Ethiopian coffee cultivation—Implications for bird conservation and environmental certification. *Conservation Letters* **1**: 208-216

Greenberg R, Bichier P, Angon AC & Reitsma R (1997) Bird populations in shade and sun coffee plantations in central Guatemala. *Conservation Biology* **11**: 448-459

Gray MA, Baldauf SL, Mayhew PJ & Hill JK (2007) The response of avian feeding guilds to tropical forest disturbance. *Conservation Biology* **21**: 133-141

- Guenette JB & Villard MA (2005) Thresholds in forest bird response to habitat alteration as quantitative targets for conservation. *Conservation Biology* **19**: 1168-1180
- Harris GM & Pimm SL (2004) Bird species' tolerance of secondary forest habitats and its effects on extinction. *Conservation Biology* **18**: 1607-1616
- Hockey PAR & Curtis OE (2009) Use of basic biological information for rapid prediction of the response of species to habitat loss. *Conservation Biology* **23**: 64-71
- Hughes JB, Daily GC & Ehrlich PR (2002) Conservation of tropical forest birds in countryside habitats. *Ecology Letters* **5**: 121-129
- Jankowski JE, Rabenold KN. (2007) Endemism and local rarity in birds of neotropical montane rainforest. *Biological Conservation* **138**:453 - 463
- Navarro SAG. (1992) Altitudinal distribution of birds in the Sierra Madre Del Sur, Guerrero, Mexico. *The Condor* **94**: 29-29
- Peterson AT, Flores-Villela OA, Leon-Paniagua LS, Llorente-Bousquets JE, Luis-Martinez MA, Navarro-Siguenza AG, Torres-Chavez MG, Vargas-Fernandez I (1993) Conservation priorities in Mexico: moving up in the world. *Biodiversity Letters*. **1**: 33-38
- Petit LR & Petit DR (2003) Evaluating the importance of human-modified lands for Neotropical bird conservation. *Conservation Biology* **17**: 687-694
- Petit LJ, Petit DR, Christian DG & Powell HDW (1999) Bird communities of natural and modified habitats in Panama. *Ecography* **22**: 292-304
- Pfeffer MJ, Schelhas JW, Degloria SD, Gomez J. (2005) Population, conservation and land use change in Honduras. *Agriculture, Ecosystems and Environment*. **110**: 14-28
- Philpott et al., (2008) Biodiversity Loss in Latin American Coffee Landscapes: Review of the Evidence on Ants, Birds, and Trees. *Conservation Biology* **22**: 1093-1105
- Raman TRS (2001) Effect of slash-and-burn shifting cultivation on rainforest birds in Mizoram, Northeast India. *Conservation Biology* **15**: 685-698
- Rappole, J.H., Winker, K., and Powell, G.V.N. (1998) Migratory bird habitat use in Southern Mexico; Mist nets versus point counts. *Journal of Field Ornithology* **69**: 635-643.
- Sekercioglu CH, Loaire SR, Brenes FO, Ehrlich PR & Daily GC (2007) Persistence of forest birds in the Costa Rican agricultural countryside. *Conservation Biology* **21**: 482-494

- Schulze CH, et al., (2004) Biodiversity indicator groups of tropical land-use systems: Comparing plants, birds, and insects. *Ecological Applications*. **14**: 1321-1333
- Solorzano S, Castillo-Santiago MA, Navarrete-Guiterrez DA, & Oyama K. (2003) Impact of the loss of neotropical highland forests on the species distribution: a case study using Resplendent Quetzal an endangered bird species. *Biological Conservation* **114**: 341 - 349
- Thiollay JM (1997) Disturbance, selective logging and bird diversity: a Neotropical forest study. *Biodiversity and conservation* **6**: 1155-1173.
- Tworek S (2002) Different bird strategies and their responses to habitat changes in an agricultural landscape. *Ecological Research* **17**: 339-359
- Vale MM, Cohn-Haft M, Bergen, S & Pimm SL (2008) Effects of future infrastructure development on threat status and occurrence of Amazonian birds. *Conservation Biology* **22**: 1006-1015
- Villard MA, Trzcinski MK & Merriam G (1999) Fragmentation effects on forest birds: Relative influence of woodland cover and configuration on landscape occupancy. *Conservation Biology* **13**: 774-783
- Wang Y & Finch D (2002) Consistency of mist netting and point counts in assessing land bird species richness and relative abundance during migration. *The Condor* **104**: 59-72

Bat Projects

The role of bats in forest regeneration and maintaining forest biodiversity

- Brose U, Martinez ND (2004) Estimating the richness of species with variable mobility. *Oikos* **105**: 292-300.
- Castro-Luna AA, Sosa VJ & Castillo-Campos G (2007) Bat diversity and abundance associated with the degree of secondary succession in a tropical forest mosaic in south-eastern Mexico. *Animal Conservation* **10**: 219-228
- Clarke FM, Pio DV & Racey PA (2005) A Comparison of Logging Systems and Bat Diversity in the Neotropics. *Conservation Biology* **19**: 1194-1204
- Clarke FM, Rostant LV & Racey PA (2005) Life after logging: post-logging recovery of a neotropical bat community. *Journal of Applied Ecology* **42**: 409-420
- Cossons JF, et al., (1999) Effects of forest fragmentation on frugivorous and nectarivorous bats in French Guiana. *Journal of Tropical Ecology*. **15**; 515-534

- Evelyn MJ, & Stiles DA (2003) Roosting requirements of two frugivorous bats (*Sturnira lilium* and *Arbeteus intermedius*) in fragmented Neotropical forest. *Biotropica*. **35**: 405-418
- Fleming TH & Muchhala N (2008) Nectar-feeding bird and bat niches in two worlds: pantropical comparisons of vertebrate pollination systems. *Journal of Biogeography* **35**: 764-780
- Galindo-González J, Guevara S & Sosa VJ (2000) Bat- and Bird-Generated Seed Rains at Isolated Trees in Pastures in a Tropical Rainforest. *Conservation Biology* **14**: 1693-1703
- Giannini NP & Kalko EKV (2004) Trophic structure in a large assemblage of phyllostomid bats in Panama. *Oikos* **105**: 209-220.
- Kattan GH, Franco P, Rojas V & Morales G (2004) Biological diversification in a complex region: a spatial analysis of faunistic diversity and biogeography of the Andes of Colombia. *Journal of Biogeography* **31**: 1829-1839
- Klingbeil BT & Willig MR (2009) Guild-specific responses of bats to landscape composition and configuration in fragmented Amazonian rainforest *Journal of Applied Ecology* **46**: 203-213
- Medellín RA, Equihua, M & Amin MA (2000) Bat diversity and abundance as indicators of disturbance in Neotropical Rainforests. *Conservation Biology* **14**: 1666-1675
- Medellin RA & Gaona O (1999) Seed dispersal by bats and birds in forest and disturbed habitats of Chiapas, Mexico. *Biotropica* **31**: 478-485
- Meyer CFJ, Fründ J, Lizano WP & Kalko EVK (2008) Ecological correlates of vulnerability to fragmentation in Neotropical bats. *Journal of Applied Ecology* **45**: 381-391
- Patterson, B. B., Pacheco, V., Solari, S. (1996) Distribution of bats along an elevational gradient in the Andes of southeastern Peru. *Journal of Zoology* **240**: 637-658.
- Pineda E, Moreno C, Escobar F & Halfter G (2005) Frog, Bat, and Dung Beetle Diversity in the Cloud Forest and Coffee Agroecosystems of Veracruz, Mexico. *Conservation Biology* **19**: 400-410
- Russo D & Jones G (2003) Use of foraging habitats by bats in a Mediterranean area determined by acoustic surveys: conservation implications. *Ecography* **26**: 197-209
- Sánchez-Cordero V (2001) Elevation gradients of diversity for rodents and bats in Oaxaca, Mexico. *Journal of Biogeography* **10**: 63-76.

Stebbins RE (1995) Why should bats be protected? A challenge for conservation
Biological Journal of the Linnean Society **56**: 103-118

Tree structure Projects

Tree biodiversity and distribution related to the level of disturbance in a forest

Brooks M, Mittermeier RA, Mittermeier CG, da Fonseca GAB, Rylands AB, Konstant WR, Flick P, Pilgrim J, Oldfield S, Magin G, Hilton-Taylor C. (2002) Habitat loss and extinction in the hotspots of Biodiversity. *Conservation Biology* **16** (4) 909 - 923

Faria, D., Mariano-Neto, E., Adriana Maria Zanforlin-Martini, A. M., Vicente-Ortiz, J., Montingelli, R., Rosso, S., Barradas-Paciencia, M. L. & Baumgarten, J. (2009). Forest fragmentation in a mosaic of rainforest sites: The effect of fragmentation and recovery alter clear cut. *Forest Ecology and Management* 257: 2226-2234.

Gercia-Fernandez C, & Casado MA (2005) Forest recovery in managed agroforestry systems: The case of benzoin and rattan gardens in Indonesia. *Forest Ecology and Management*. **214**; 158-169

Harrison RD (2005) Figs and the diversity of tropical rainforests. *Bioscience*. **55**; 1053-1064

Kirika JM, et al., (2008) Fragmentation and local disturbance of forests reduce frugivore diversity and fruit removal in *Ficus thonningii* trees. *Basic and Applied Ecology*. **9**; 663-672

Laurance WF (2008) Theory meets reality: How habitat fragmentation research has transcended island biogeographic theory. *Biological Conservation* **141**: 1731-1744

Li GY, Yang DM & Sun SC (2008) Allometric relationships between lamina area, lamina mass and petiole mass of 93 temperate woody species vary with leaf habit, leaf form and altitude. *Functional Ecology*, **22**: 557-564.

McGeoch L, et al., (2008) Impacts of land use, anthropogenic disturbance, and harvesting on an African medicinal liana. *Biological Conservation*. **141**; 2218-2229

Schneider JV, Zipp D, Gaviria J & Zizka G (2003) Successional and mature stands in an upper Andean rain forest transect of Venezuela: do leaf characteristics of woody species differ? *Journal of Tropical Ecology*, **19**: 251-259

Schnitzer SA, et al., (2004) Recruitment of lianas into logging gaps and the effects of pre-harvest climber cutting in a lowland forest in Cameroon. *Forest Ecology and Management*. **190**; 87-98

Bromeliad Projects

Biodiversity related to the number and distribution of bromeliads

Armbruster P, Hutchinson RA & Cotgreave P (2002) Factors influencing community structure in a South American tank bromeliad fauna. *Oikos* **96**: 225-234

Bach K, Kessler M & Gradstein SR (2007) A simulation approach to determine statistical significance of species turnover peaks in a species-rich tropical cloud forest *Diversity and Distributions* **13**: 863-870

Cascante-Marín A, Wolf JHD, Oostermeijer JGB & den Nijs JCM (2008) Establishment of epiphytic bromeliads in successional tropical premontane forests in Costa Rica. *Biotropica* **40**: 441-448

Cavallero L, López D & Barberis IM (2009) Morphological variation of *Aechmea distichantha* (*Bromeliaceae*) in a Chaco forest: habitat and size-related effects *Plant Biology* **11**: 379-391

De Omena PM & Romero GQ (2008) Fine-scale microhabitat selection in a bromeliad-dwelling jumping spider (*Salticidae*). *Biological Journal of the Linnean Society* **94**: 653-662

Hietz P & Hietz-Seifert U (1995) Composition and ecology of vascular epiphyte communities along an altitudinal gradient in central Veracruz, Mexico. *Journal of Vegetation Science* **6**: 487-498

Kessler M & Krömer T (2000) Patterns and ecological correlates of pollination modes among bromeliad communities of Andean forests in Bolivia. *Plant Biology* **2**: 659-669

Krömer T, Kessler M, Gradstein SR & Acebey A (2005) Diversity patterns of vascular epiphytes along an elevational gradient in the Andes. *Journal of Biogeography* **32**: 1799-1809

Krömer T, Kessler M & Herzog SK (2006) Distribution and flowering ecology of bromeliads along two climatically contrasting elevational transects in the Bolivian Andes. *Biotropica* **38**: 183-195

Merwin MC, Rentmeester SA & Nadkarni NM (2003) The influence of host tree species on the distribution of epiphytic bromeliads in experimental monospecific plantations, La Selva, Costa Rica. *Biotropica* **35**: 37-47

Pett-Ridge J & Silver WL (2002) Survival, growth, and ecosystem dynamics of displaced bromeliads in a montane tropical forest. *Biotropica* **34**: 211-224

- Richardson BA (1999) The bromeliad microcosm and the assessment of faunal diversity in a Neotropical forest. *Biotropica* **31**: 321-336
- Romero GQ (2006) Geographic range, habitats, and host plants of bromeliad-living jumping spiders (*Salticidae*). *Biotropica* **38**: 522-530
- Romero GQ & Vasconcellos-Neto J (2004) Spatial distribution patterns of jumping spiders associated with terrestrial bromeliads. *Biotropica* **36**: 596-601
- Rotheray GE, Hancock EG & Marcos-Garcia MA (2007) Neotropical Copestylum (Diptera, Syrphidae) breeding in bromeliads (*Bromeliaceae*) including 22 new species. *Zoological Journal of the Linnean Society* **150**: 267-317
- Wolf JHD & Alejandro FS (2003) Patterns in species richness and distribution of vascular epiphytes in Chiapas, Mexico. *Journal of Biogeography* **30**: 1689-1707
- Zotz G, Laube S & Schmidt G (2005) Long-term population dynamics of the epiphytic bromeliad, *Werauhia sanguinolenta* *Ecography* **28**: 806-814