Suggested Reading - Indonesia Forest

Projects - *links to research areas*

Herpetofauna
Birds
Tree Biodiversity
Fig Wasps
Bats
Civets
Canopy Research

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

Herpetofauna Projects

The effect of habitat structure and forest disturbance on the abundance and distribution of herpetofauna communities in the Lambusango Forest

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

Barrett K, & Guyer C (2008) Differential responses of amphibians and reptiles in riparian and stream habitats to land use disturbances in western Georgia, USA. *Biology Conservation*. **141**; 2290-2300

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

Ficetola GF, Padoa-Schioppa E, De Bernardi F (2009) Influence of landscape elements in riparian buffers on the conservation of semiaquatic amphibians. *Conservation Biology* **23**: 114-123

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.

Gillespie G, Howard S, Lockie, D Scroggie M, Boeadi L (2005) Herpetofaunal richness and community structure of offshore islands of Sulawesi, Indonesia. *Biotropica* **37**: 279-290

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

Inger RF (1980) Relative abundance of frogs and lizards in forests of Southeast Asia. *Biotropica*. **12**: 14-22

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

Kanowski JJ, Reis TM, Catterall CP & Piper SD (2006) Factors affecting the use of reforested sites by reptiles in cleared rainforest landscapes in tropical and subtropical Australia. *Restoration Ecology* **14**: 67-76

Molur S (2008) South Asian amphibians: taxonomy, diversity and conservation status International Zoo Yearbook **42**: 143-157

Pearman PB, (1997) Correlates of amphibian diversity in an altered landscape of Amazonian Ecuador. *Conservation Biology* **11**: 1211-1225

Ribeiro R, Santos X, Sillero N, Carretero MA, & Llorente GA (2009) Biodiversity and land use at a regional scale: Is agriculture the biggest threat fro reptile assemblages? *Acta Oecologica*, **35**: 327-334.

Todd BD & Andrews KM (2008) Response of a reptile guild to forest harvesting *Conservation Biology*. **22**: 753-761

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.

Bird Projects

Assessing the human impact on the avarian populations in the Lambusango Forest

Abrahamczyk S, et al., (2008) The value of differently managed cacao plantations for forest bird conservation in Sulawesi, Indonesia. *Bird Conservation International*. **18**; 349-362

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**(2); 304-326

Cleary DFR, et al., (2005) Associations of bird species richness and community composition with local and landscape-scale environmental factors in Borneo. *Landscape Ecology*. **20**; 989-1001

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

Jones MJ, et al., (2003) Effects of habitat change and geographical variation on the bird communities of two Indonesian islands. *Biodiversity and Conservation*. **12**: 1013-1032

Marsden SJ (1998) Changes in bird abundance following selective logging on Seram, Indonesia. *Conservation Biology*. **12**: 605-611

Peh K, Jong J, Sodhi N, Lim S and Yan C (2005) Lowland rainforest avifauna and human disturbance: persistence of primary forest birds in selectively logged forests and mixed-rural habitats of Southern penisular Malaysia. *Biological Conservation*. **123**: 480-505

Peh KSH, Sodhi NS, de Jong J, Sekercioglu CH, Yap CAM, Lim SLM (2006) Conservation value of degraded habitats for forest birds in southern Peninsular Malaysia. *Diversity and Distributions* **12**: 572-581

Raman TRS (2001) Effect of slash-and-burn shifting cultivation on rainforest birds in Mizoram, Northeast India. *Conservation Biology* **15**: 685-698

Riley J (2003) Population sizes and the conservation status of endemic and restricted-range bird species on Karakelang, Talaud Islands, Indonesia. *Bird Conservation International*. **13**; 59-74

Schulze CH, et al., (2004) Biodiversity indicator groups of tropical land-use systems: Comparing plants, birds, and insects. *Ecological Applications*. **14**; 1321-1333

Slik JWF, & Van Balen S (2006) Bird community changes in response to single and repeated fires in a lowland tropical rainforest of eastern Borneo. *Biodiversity and Conservation*. **15**; 4425-4451

Sodhi NS, Koh LP, Prawiradilaga DM, Tinulele I, Putra DD and Han Tan Tong T (2005) Land use and conservation value for forest birds in central Sulawesi. *Biological Conservation*. **122**(3); 547-558

Sodhi NS, Soh MCK, Prawiradilaga DM and Brook BW (2005) Persistence of rainforest birds in a recently logged area of central Java. *Bird Conservation International*. **15**; 173-191

Thiollay JM, & Rahman Z (2002) The raptor community of Central Sulawesi: habitat selection and conservation status. *Biological Conservation*. **107**; 111-122

Trainor CR (2007) Changes in bird species composition on a remote and well-forested Wallacean Island, South-East Asia. *Biological Conservation*. **140**; 373-385

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

Walker JS (2006) Resource use and rarity among frugivorous birds in a tropical rain forest on Sulawesi. *Biological Conservation*. **130**; 60-69

Waltert M, et al., (2005) Effects of deforestation and forest modification on understorey birds in Central Sulawesi, Indonesia. *Bird Conservation International*. **15**; 257-273

Wang, Y. and Finch, D., (2002) Consistency of mist netting and point counts in assessing land bird species richness and relative abundance during migration. *The Condor* **104**(1); 59-72

Tree Biodiversity Projects

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

Ariyanti NS, et al., (2008) Bryophytes on tree trunks in natural forests, selectively logged forests and cacao agroforests in Central Sulawesi, Indonesia. *Biological Conservation* **141**: 2516-2527

Berry NJ, Phillips OL, Ong RC & Hamer, KC (2008) Impacts of selective logging on tree diversity across a rainforest landscape: the importance of spatial scale, *Landscape Ecology* **23**: 915-929.

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 (2006) Mortality and recruitment of hemi-epiphytic figs in the canopy of a Bornean rain forest. *Journal of Tropical Ecology* **22**: 477-480

Harrison RD, & Rasplus JY (2006) Dispersal of fig pollinators in Asian tropical rain forests. *Journal of Tropical Ecology* **22**: 631-639

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

Laman TG (1996) Specialization for canopy position by hemiepiphytic Ficus species in a Bornean rain forest. *Journal of Tropical Ecology* **12**: 789-803

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

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

Siebert SF (2005) The abundance and distribution of rattan over an elevation gradient in Sulawesi, Indonesia. *Forestry Ecology and Management* **210**: 143-158

Watanabe NM & Suzuki E (2008) Species diversity, abundance, and vertical size structure of rattans in Borneo and Java. *Biodiversity and Conservation* **17**: 523-538

Watanabe NM & Suzuki E (2007) Ontogenetic development in architecture and biomass allocation of 13 rattan species in Indonesia. *Journal of Plant Research* **120**: 551-561

Watanabe NM, et al., (2006) Growth strategy of the stoloniferous rattan *Calamus javensis* in Mt. Halimun, Java. *Ecological Research* **21**: 238-245

Fig Wasp Projects

Fig wasp biodiversity and relation to forest system

Bronstein, J.L. (1991) The nonpollinating wasp fauna of *F. pertusa* - exploitation of a mutualism. *Oikos* **6**; 175-186

Compton, S.G, Ellwood, M.D.F, Davis, A.J and Welch, K. (2000) The flight heights of chalcid wasps (Hymenoptera, Chalcidoidea) in a lowland bornean rain forest: Fig wasps are the high fliers. *Biotropica* **32**: 515-522.

Compton BA & Hawkins SG (1992) Determinants of species richness in souther African fig wasp assemblages *Oecologica* **91**; 68-74.

Conklin, N.L and Wrangham, R.W. (1994), The value of figs to a hind gut fermenting frugivore: a nutritional analysis, *Biochemical systematics and ecology*, **22**, 137-151.

Cook, J.M and Rasplus, J.Y. (2003), Mutualists with attitude: coevolving fig wasps and figs, *Trends in Ecology and Evolution*, **18**, 241- 248.

Dunn, D.W, Yu, D.W, Ridley, J and Cook, J.M. (2008) Longevity, early emergence and body size in a pollinating fig wasp - implications for stability in a fig-pollinator mutualism. *Journal of Animal Ecology*. **77**; 927-935

Hadiprakarsa YY & Kinnaird MF (2004) Foraging characteristics of an assemblage of four Sumatran hornbill species. *Bird Conservation International*. **14**; 53-62

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

Hawkins BA & Compton SG (1992) African fig wasp communities - undersaturation and latitudinal gradients in species richness. *J. Anim. Ecol.* **61**: 361-372

Herre EA, et al., (2008) Evolutionary Ecology of Figs and Their Associates: Recent Progress and Outstanding Puzzles. *Annual Review of Ecology Evolution and Systematics*. **39**; 439-458

Kerdelhue C, et al., (2000) Comparative community ecology studies on old world figs and fig wasps. *Ecology*. **81**; 2832-2849

Kissing MD, et al., (2007) Food plant diversity as broad-scale determinant of avian frugivore richness. *Proceedings of the Royal Society B, Biological Sciences*. **274**; 799-808

Lobo J, Barrantes G, Castillo M, Quesada R, Maldonado T, Fuchs EJ, Solís, S & Quesada M (2007) Effects of selective logging on abundance, regeration and short-term survival of *Caryocar costaricense* (Caryocaceae) and *Peltogyne purpurea* (Caesalpinaceae), two endemic timber species of southern central america, *Forest Ecology and Management*, **245**: 88-95

Marussia WA & Machado CA (2007) Host-specifity and coevolution among pollinating and nonpollinating new world fig wasps. *Molecular ecology*, **16**: 1925-1946.

Moore JC, et al., (2008) Fighting strategies in two species of fig wasp. *Animal Behaviour*. **76**; 315-322

O'Brian TG, et al., (1998) What's so special about figs? *Nature*. **392**; 668-668

Proffit M, Schatz B, Borges RM & Hossaert-Mckey M (2007) Chemical mediation and niche partitioning in non-pollinating fig wasp communities, *Journal of Animal Ecology* **76**: 296-303.

Schatz B, Proffit M, Rakhi R, Borges RM & Hossaert-Mckey M (2006) Complex interactions on fig trees: ants capturing parasitic wasps as possible indirect mutualists of the fig-fig wasp interaction, *OIKOS* **113**: 344-352.

Weiblen GD & Bush G (2002) Speciation in fig pollinators and parasites *Molecular Ecology* **11**; 1573-1578

Weiblen GD, Yu GW & West SA (2001) Pollination and parasitism in functionally dioecious figs, *Proceedings of the Royal Society*, **268**: 651-659.

West SA, Herre EA, Windsor DM & Green PRS (1996) The ecology and evolution of the new world non-pollianting fig wasp communties, *Journal of Biogeography*, **23**: 447-458.

Bat Projects

The effect of habitat structure on the abundance and distribution of bats

Cossons JF, et al., (1999) Effects of forest fragmentation on frugivorous and nectarivorous bats in French Guiana. *Journal of Tropical Ecology*. **15**; 515-534

Estrada A, Coates-Estrada R & Meritt D (1993) Bat species richness and abundance in tropical rain forest fragments and in agricultural habitats at Los Tuxtlas, Mexico *Ecography* **16**: 309-318

Evelyn MJ, & Stiles DA (2003) Roosting requirements of two frugivorous bats (Sturnira lilium and Arbiteus intermedius) in fragmented Neotropical forest. *Biotropica*. **35**; 405-418

Henry M, et al., (2004) Species composition, abundance and vertical stratification of a bat community (Megachiroptera : Pteropodidae) in a West African rain forest. *Journal of Tropical Ecology*. **20**; 21-29

Hodgkison R, et al., (2004) Habitat structure, wing morphology, and the vertical stratification of Malaysian fruit bats (Megachiroptera : Pteropodidae). *Journal of Tropical Ecology*. **20**; 667-673

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

Lane DJW, et al., (2006) Dramatic decline in bat species richness in Singapore, with implications for Southeast Asia. *Biological Conservation*. **131**; 584-593

Medellín RA, Equihua, M & Amin MA (2000) Bat diversity and abundance as indicators of disturbance in Neotropical Rainforests. *Conservation Biology* **14**: 1666-1675

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.

Sanchez-Cordero V (2001) Elevation gradients of diversity for rodents and bats in Oaxaca, Mexico. *Global Ecology & Biogeography* **10**: 63-76

Struebig MJ, et al., (2006) Bat diversity in oligotrophic forests of southern Borneo. *ORYX*. **40**; 447-455

Webala PW, Oguge NO & Bekele A (2004) Bat species diversity and distribution in three vegetation communities of Meru National Park, Kenya. *African Journal of Ecology* **42**: 171-179

Wickramasinghe LP, Harris S, Jones G & Jennings NV (2004) Abundance and Species Richness of Nocturnal Insects on Organic and Conventional Farms: Effects of Agricultural Intensification on Bat Foraging. *Conservation Biology* **18**: 1283-1292

Willig MR, Presley SJ, Bloch CP, Hice CL, Yanoviak SP, Díaz MM, Chauca LA, Pacheco V & Weaver SC (2007) Phyllostomid Bats of Lowland Amazonia: Effects of Habitat Alteration on Abundance. *Biotropica* **39**: 737-746

Civet Projects

The consequences to the Lambusango Forest ecosystem of the accidental introduction of the large predatory civet

Baker, P.J., Robertson, C.P.J., Funk, S.M. & Harris (1998). Potential fitness benefits of group living in the red fox *Vulpes vulpes*. *Animal Behaviour* **56**: 1411 – 1424.

Clark, T.W., Curlee, P. & Reading, R.P. (1996). Crafting effective solutions to the large carnivore conservation problem. *Conservation Biology* **10**: 940 – 948.

Colón, C.P. (2002). Ranging behaviour and activity of the Malay civet (*Viverra tangalunga*) in a logged and an unlogged forest in Danum Valley, East Malaysia. *Journal of Zoology* **257**: 473- 485.

Creel, S. (2001). Four factors modifying the effect of competition on carnivore population dynamics as illustrated by African wild dogs. *Conservation Biology* **15**: 271-274.

Dayan, T. & Simberloff, D. (1994). Character displacement, sexual dimorphism, and morphological variation among British and Irish mustelids. *Ecology* **75**: 1063-1073.

Eide, N.E., Jepsen, J.U. & Prestrud, P. (2004). Spatial organization of reproductive Arctic foxes *Alopex lagopus*: responses to changes in spatial and temporal availability of prey. *Journal of Animal Ecology* **73**: 1056 – 1068.

Erlinge, S. (1984). Can vertebrate predators regulate their prey? American Naturalist 123:

Fedriani, J.M., Fuller, T.K., Sauvajot, R.M. & York, E.C. (2000). Competition and intraguild predation among three sympatric carnivores. *Oecologia* **125**: 258-270.

Jennings, A., Seymour, A.S. & Dunstone, N. (2006). Ranging behaviour, spatial organisation, and activity of the Malay civet (*Viverra tangalunga*) on Buton Island, Sulawesi. *Journal of Zoology*, **268**: 63 – 71.

Johnson, D.D.P., Macdonald, D.W., Newman, C. & Morecroft, M.D. (2001). Group size versus territory size in group-living badgers: a large-sample field test of the Resource Dispersion Hypothesis. *Oikos* **95**: 265 – 274.

Johnson, D.D.P., Kays, R., Blackwell, P.G. & Macdonald, D.W. (2002). Does the resource dispersion hypothesis explain group living? *Trends in Ecology and Evolution* **17**: 563 – 570.

Joshi, A.R., Smith, J.L. & F.J. Cuthbert. (1995). Influence of food distribution and predation pressure on spacing behavior in palm civets. *Journal of Mammalogy* **76**: 1205-1212.

Lee, R.J, Riley J., Hunowu I. & Maneasa, E. (2003). The Sulawesi palm civet: expanded distribution of a little known endemic viverrid. *Oryx* **37**(03): 378-381.

Lindström, E., Andrén, H., Angelstam, P., Cederlund, G., Hörnfeld, B., Jäderberg, L., Lemnell, P.-A., Martinsson, B., Sköld, K. & Swenson, J.E. (1994). Disease reveals the predator: sarcoptic mange, red fox predation and prey populations. *Ecology* **75**: 1042 – 1049.

Meiri, S., Dayan, T. & Simberloff, D. (2004). Body size of insular carnivores: Little support for the island rule. *American Naturalist* **163**:469-479.

Newsome, A.R., Parer, I. & Catling, P.C. (1989). Prolonged prey suppression by carnivores – predator removal experiments. *Oecologia* **78**: 458 – 467.

Oksanen, T., Oksanen, L., Schneider, M. & Aunapuu, M. (2001). Regulation, cycles and stability in northern carnivore-herbivore systems: back to first principles. *Oikos* **94**: 101 – 117.

Palomares, F. & Caro, T.M. (1999). Intraspecific killing amongst carnivores. American Naturalist **153**: 492 – 508.

Simberloff, D., Dayan, T., Jones, C. & Ogura, G. (2000). Character displacement and release in the small Indian mongoose, *Herpestes javanicus*. *Ecology*. **818**: 2086-2099.

Woodroffe, R & Ginsberg, J.R. (1998). Edge effects and the extinction of populations inside protected areas. *Science* **280**: 2126 – 2128.

Canopy Research Projects

The need to study species of ferns *and/or* butterflies in the upper canopy in order to assess forest biodiversity

Ferns

Ariyanti NS, et al., (2008) Bryophytes on tree trunks in natural forests, selectively logged forests and cacao agroforests in Central Sulawesi, Indonesia. *Biological Conservation*. **141**; 2516-2527

Cardelus CL, et al., (2006) Vascular epiphyte distribution patterns: explaining the mid-elevation richness peak. *Journal of Ecology*. **94**; 144-156

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

Laman TG (1996) Specialization for canopy position by hemiepiphytic Ficus species in a Bornean rain forest. *Journal of Tropical Ecology*. **12**; 789-803

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

Butterflies

Barlow J, et al., (2007) The value of primary, secondary and plantation forests for fruit-feeding butterflies in the Brazilian Amazon. *Journal of Applied Ecology*. **44**; 1001-1012

Charrette NA, et al (2006) Range-restricted, specialist Bornean butterflies are less likely to recover from enso-induced disturbance. *Ecology*. **87**; 2330-2337

Cleary DFR, & Mooers AO (2004) Butterfly species richness and community composition in forests affected by ENSO-induced burning and habitat isolation in Borneo. *Journal of Tropical Ecology*. **20**; 359-367

Cleary DFR, et al., (2004) Diversity and community composition of butterflies and odonates in an ENSO-induced fire affected habitat mosaic: a case study from East Kalimantan, Indonesia. *OIKOS*. **105**; 426-446

Cleary DFR (2003) An examination of scale of assessment, logging and ENSO-induced fires on butterfly diversity in Borneo. *Oecologia*. **135**; 313-321

DeVries PJ, et al., (1997) Species diversity in vertical, horizontal, and temporal dimensions of a fruit-feeding butterfly community in an Ecuadorian rainforest. *Biological Journal of the Linnean Society*. **62**; 343-364

Fauvelot C, et al., (2006) Short-term impact of disturbance on genetic diversity and structure of Indonesian populations of the butterfly Drupadia theda in East Kalimantan. *Molecular Ecology*. **15**; 2069-2081

Fermon H, et al., (2005) Forest use and vertical stratification in fruit-feeding butterflies of Sulawesi, Indonesia: impacts for conservation. *Biodiversity and Conservation*. **14**; 333-350

Hamer KC, & Hill JK (2000) Scale-dependent effects of habitat disturbance on species richness in tropical forests. *Conservation Biology*. **14**; 1435-1440

Hamer KC, et al., (1997) Ecological and biogeographical effects of forest disturbance on tropical butterflies of Sumba, Indonesia. *Journal of Biogeography*. **24**; 67-75

Lewis OT (2001) Effect of experimental selective logging on tropical butterflies. *Conservation Biology*. **15**; 389-400

Uehara-Prado M, et al., (2007) Species richness, composition and abundance of fruit-feeding butterflies in the Brazilian Atlantic Forest: comparison between a fragmented and a continuous landscape. *Global Ecology and Biogeography*. **16**; 43-54

Veddeler D, et al. (2005) The contribution of tropical secondary forest fragments to the conservation of fruit-feeding butterflies: effects of isolation and age. *Biodiversity and Conservation*. **14**; 3577-3592