

CURRICULUM VITAE

YVES BASSET



Date and place of birth: 29.04.60, Geneva, Switzerland.
Nationality: Swiss.
Languages spoken: French and English fluent; good command of Spanish; limited command of German and Melanesian pidgin.
Sex: male.
Marital status: married.
Present position: Scientific coordinator, Tropical Canopy Biology Program, Smithsonian Tropical Research Institute, Panama.
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Email bassety@si.edu
Web pages: *IBISCA – Towards a Census of Tropical Rainforest Life:*
<http://www.ibisca.net/>
The Parataxonomist Training Centre, Papua New Guinea:
<http://www.entu.cas.cz/png/index.html>
Curriculum vitae and publications in pdf files:
<http://striweb.si.edu/basset/>
Tropical Canopy Biology Program in Panama
<http://www.stri.org/english/research/facilities/terrestrial/cranes/index.php>

EDUCATION

Ph.D., Biology, Griffith University, Brisbane, Australia, 1990
M.Sc., Biology, University of Neuchâtel, Switzerland, 1985

QUALIFICATIONS AND EXPERIENCE

2007-: Scientific coordinator, CTFS (Center for Tropical Forest Science) arthropod initiative, Smithsonian Tropical Research Institute, Panama

- 2003-: Scientific coordinator, Tropical Canopy Biology Program, Smithsonian Tropical Research Institute, Panama
- 2003-: PI, IBISCA 2003-2005: Investigating the Biodiversity of Soil and Canopy Arthropods, Panama
- 2001: Contracted by the Smithsonian Institution, Monitoring and Assessment of Biodiversity Program, Washington, USA, to establish a parataxonomist and processing center in Gamba, Gabon.
- 1998-2002: Postdoctoral fellow, Smithsonian Tropical Research Institute. Research project in Panama on vertical gradients of insect diversity and abundance in tropical rain forests.
- 1995-1998 Contracted by the International Institute of Entomology, London. Research project in Guyana on the influence of selective logging on insect communities foraging on seedlings, sponsored by the Darwin Initiative for the Survival of the Species (U.K.).
- 1994-: Research associate, Bishop Museum, USA and Christensen Research Institute, USA - Papua New Guinea. Research project on the host specificity of insect herbivores associated with Moraceae, Euphorbiaceae and Rubiaceae, sponsored mainly by the National Science Foundation (USA).
- 1992-93: Postdoctoral fellow, Swiss National Science Foundation, Switzerland and University of Hawaii, USA. Research Associate, Bishop Museum, Honolulu, USA and Wau Ecology Institute, Papua New Guinea. Research project on insect species-richness and host-specificity in rain forests of Papua New Guinea.
- 1991: Operation "Radeau des Cimes 1991" ("Canopy Raft"), Cameroon. Joint project with G. Delvare and H.-P. Aberlenc (CIRAD, Montpellier) on the stratification of the arthropod fauna in a primary rain forest. Scientific adviser, Istituto di Entomologia agraria, Istituto di Biologia, Università di Padova. Collaborative studies with Profs L. Masutti, V. Girolami and M.G. Paoletti, in agroecological entomology, and particularly on scolytid and cicadellid pests.
- 1989-90: Curatorial help in the Museum of Natural History of Geneva (classification of Lepidoptera). Research on insect host-specificity in temperate woodlands, with special reference to plant architecture.
- 1985-89: Awarded a Griffith University Postgraduate Research Scholarship for PhD programme in Division of Australian Environmental Studies, Griffith University, Brisbane, Australia. Supervisors: Prof R.L. Kitching & Assoc. Prof. A.H. Arthington. Title of thesis: "The seasonal and spatial distribution of arboreal arthropods associated with the rainforest tree *Argyrodendron actinophyllum*". PhD degree awarded in 1990.
- 1985: Scientific collaborator of the Museum of Natural History of Geneva (Switzerland).
- 1984-85: Full-time work at the British Museum (Natural History), London, on behalf of the Museum of Neuchâtel (studies on Diptera and Thysanoptera).
- 1984: Part-time work at the Museum of Natural History of Neuchâtel, on various coleopteran families, particularly Scolytidae.
- 1979-84: MsSc at the University of Neuchâtel (Institute of Zoology, Switzerland). Research Masters on "Arthropod communities associated with *Pinus mugo* Turra". Supervisor: Prof W. Matthey.

RESEARCH AFFILIATIONS

- 2005-: Research Associate, Smithsonian Tropical Research Institute, Panama.
- 2005-: Research Associate, Royal Belgian Institute of Natural Sciences, Brussels, Belgium.
- 2000-06: Research Associate, National Museum of Natural History, Smithsonian Institution, Washington, USA.
- 1998-: Research Associate, National University of Panama, Panama.
- 1992-: Research Associate, Bishop Museum, Honolulu, USA.
- 1992-93: Research Associate, Wau Ecology Institute, Papua New Guinea.
- 1990: Research Associate, Museum of Geneva, Switzerland.
- 1986: Research affiliate to the Queensland Museum, Brisbane, Australia.

SCHOLARSHIPS, FELLOWSHIPS AND GRANTS AWARDED

- 2005: Research grant from the United Nations Environment Programme, Nairobi, Kenya: \$25,000 (PI).
Research grant from the National Science Foundation, USA: \$ 550,000 (to University of Minnesota, DEB, proposal 0515678). Co-principal investigator with G.D. Weiblen, S.E. Miller and V. Novotny.
- 2004: Organization of a 25-persons European Science Foundation workshop in Brussels (2005), focused on the IBISCA project. Euro 13,600. Co-PI with Maurice Leponce.
Research grant from the United Nations Environment Programme, Nairobi, Kenya: \$25,000 (PI).
Research grant from the Walcott Trust Fund, Smithsonian Institution, USA: \$ 20,000. Co-PI with S.J. Wright, S.E. Miller and H. Barrios.
Research grant from the Global Canopy Programme, UK: GBP 5,000. PI.
- 2003: Various research grants and in-house support (valued \$ 72,500) for the IBISCA project in Panama (PI).
- 2002: Research grant from the National Science Foundation, USA: \$ 340,471 (to University of Minnesota, DEB-02-11591). Co-principal investigator with G.D. Weiblen, S.E. Miller and V. Novotny.
- 2001: Research grant from the National Science Foundation, USA, supplement: \$ 42,000 (to Bishop Museum, Honolulu, DEB-97-07928). Co-principal investigator with S.E. Miller, V. Novotny, L.J. Orsak and A. Allison.

- 1998: Earl S. Tupper postdoctoral fellowship in Tropical Biology, Smithsonian Institution, USA: \$81,000.
 1997: Research grant from the National Science Foundation, USA: \$ 212,000 (to Bishop Museum, Honolulu, DEB-97-07928). Co-principal investigator with S.E. Miller, V. Novotny, L.J. Orsak and A. Allison.
 1996: Research grant from the National Science Foundation, USA: \$ 60,000 (to Bishop Museum, Honolulu, DEB-96-29751). Co-principal investigator with S.E. Miller, L.J. Orsak, A. Allison and V. Novotny.
 1995: Research grant from the National Geographic Society, USA: \$ 5,627.
 1994: Research grant from the Christensen Research Institute, Madang, Papua New Guinea - USA: \$ 36,000.
 Research grant from the National Science Foundation, USA: \$ 30,000. Co-principal investigator with S.E. Miller and A. Allison (Bishop Museum, Honolulu, DEB-94-07297).
 1992: Research grant from the Swiss National Science Foundation, Switzerland: FS 50,180.
 1991: Research grant from the Opération Radeau des Cimes: FF 51,000. Joint project with G. Delvare et H.P. Aberlenc (CIRAD, Montpellier).
 Research grant from the Natural History Museum of Geneva: FS 4,000.
 Research grant from the Swiss National Science Foundation, Switzerland: FS 56,230.
 1990: Research grant from the Natural History Museum of Geneva: FS 1,000.
 1986: Travel grant from the Australian Museum: A\$ 500.
 1985-89: Griffith University Postgraduate Research Scholarship: A\$ 45,000.

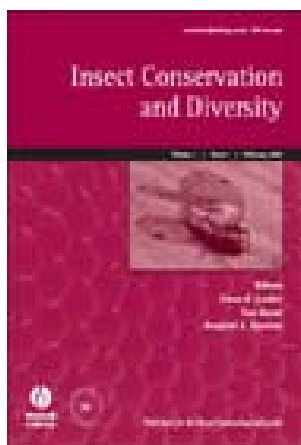
Grant income: as PI: \$337,015; as Co-PI: \$1,272,205; Total \$1,609,220

TEACHING EXPERIENCE

- 2007-: Course: Tropical Ecology NEO BIOL 640, McGill University, Canada.
 2006-: Adjunct Professor, Department of Natural Resource Sciences, McGill University, Canada.
 2006-: Lecturer, Dept of Ecology and Evolutionary Biology, Princeton University, USA. Course: Tropical Ecology, EEB338.
 2006-: Associate supervisor of a PhD student at the University of Canterbury, New Zealand (Matthieu Rapp).
 2006: Examiner for a PhD thesis submitted at the Curtin University of Technology, Australia.
 Examiner for a MsSc thesis submitted at the PNG University of Technology, Lae, Papua New Guinea.
 2000: Two entomology courses of one week each taught at INPA, Manaus, and University Federal de Ouro Preto, Brazil.
 1997-1998: Part-time lecturer at the University of Guyana, Georgetown.
 1996-1998: Supervisor of a MSc student at the University of Guyana, Georgetown (Elroy Charles).
 1993: Examiner for a MsSc thesis submitted at the University of Technology, Sydney, Australia.
 1991: Supervision of MSc students at the University of Padova, Italy.
 1985-89: Occasional tutoring at Griffith University, Australia.
 1983: Taught mathematics in a Business School, Neuchâtel.
 Field instructor (ecology of wetlands) for the Swiss Nature Protection League.

EDITING EXPERIENCE

Editor, *Insect Conservation and Diversity*, launched in 2008 by the Royal Entomological Society and Blackwell Publishing.
<http://www.blackwellpublishing.com/editors.asp?ref=1752-458X&site=1>



OTHER ACADEMIC EXPERIENCE

Scientific referee for the following journals, editors and institutions:

On a regular basis: *Austral Ecology (Australian Journal of Ecology)*; *Biodiversity and Conservation*; *Biological Journal of the Linnean Society*; *Biotropica*; *Ecological Entomology*; *Journal of Animal Ecology*; *Journal of Applied Ecology*; *Journal of Tropical Ecology*.

Irregularly: *Academic Press*; *Acta Zoologica Mexicana*; *BioScience*; *Ecological Applications*; *Ecology*; *European Journal of Entomology*; *Journal of Tropical Forest Science*; *Memoirs of the Queensland Museum*; *National Geographic Society*; *National Science Foundation (USA)*; *Plant Ecology*; *Revue Suisse de Zoologie*; *Selbyana*; *Trends in Ecology & Evolution*; *Journal of Insect Conservation*; *Diversity and Distributions*; *Czech Academy of Sciences*; *Science*; *Ecography*.

Consultant for the FAO of the UN (AGPP), June - August 2000, to implement an introduction to tropical insect herbivores in the Ecoport database (www.ecoport.org).

Chairman of one of the plenary sessions of the 5th European Congress of Entomology, 1994 (York, U.K.).

DISTINCTIONS

Award A.-F. Schläfi, from the Swiss Academy of Natural Sciences, 1996 (FS 2,500).

RESEARCH INTERESTS

Insect-plant interactions and herbivory in the tropics; biodiversity and host-specificity of insect herbivores; insect spatial and temporal distribution; community structure and taxonomy of arboreal arthropods; tropical forest canopies; community ecology; parataxonomist training; arthropod conservation.

SOCIETY MEMBERSHIPS

American Institute of Biological Sciences, Association for Tropical Biology, Ecological Society of Australia, Entomological Societies of Geneva and Neuchâtel, International Canopy Network, Opération Canopée, Swiss Entomological Society.

FIELD EXPERIENCE AND PROFESSIONAL RESIDENCE:

Australia (4 years), Brazil, Cameroon, Costa Rica, France, French Guiana, Gabon (6 months), Guyana (3 years), Hawaii (1 year), Italy, Ivory Coast, Kenya, Panama (8 years), Papua New Guinea (3 years), Switzerland, Thailand.

REVIEW OF MY RESEARCH (in chronological order)

Gaston, K. J. 1993. Herbivory at the limits. *Trends in Ecology and Evolution* **8**, 193-194.

Roslin, T. 2002. Herbivory passing the limits. *Trends in Ecology and Evolution* **17**, 355.

Bradbury, J. 2003. Surveying Panama's treetops. *Frontiers in Ecology and the Environment* **9**, 457.

Didham, R.K. & Fagan, L.L. 2003. Project IBISCA – Investigating the biodiversity of soil and canopy arthropods. *The Weta* **26**, 1-6.

Lewis, O.T. 2003. Book review: Arthropods of tropical forests: spatio-temporal dynamics and resource use in the canopy. *Journal of Insect Conservation*, **7**, 187-188.

Roslin, T. 2003. Not so quiet on the high frontier. *Trends in Ecology and Evolution* **18**, 376-379.

Longino, J.T. 2004. Arthropods of the tropical canopy (and elsewhere). *Ecology* **85**, 1170-1171.

Rejmánek, M. 2004. Book review: Arthropods of Tropical Forests: Spatio-temporal Dynamics and Resource Use in the Canopy. *Plant Science Bulletin*, **50**, 16-17.

Raine, N. 2005. Arthropods of Tropical Forests: Spatio-temporal Dynamics and Resource Use in the Canopy. *Animal Conservation*, **8**, 347.

Davis, A.J. 2006. Reaching for the skies: rainforest entomology aims high. *Journal of Biogeography*, **33**, 191-192.

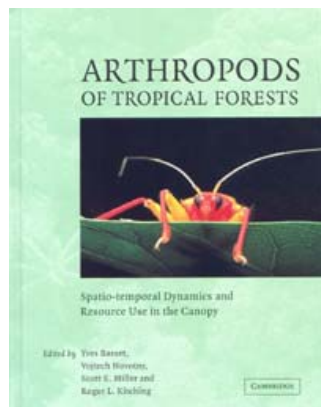
Aiello, A. 2006. Book review. Arthropods of Tropical Forests: Spatio-temporal Dynamics and Resource Use in the Canopy. *European Journal of Entomology*, **103**, 253-254.

Kitching, R.L. 2006. Crafting the pieces of the diversity jigsaw puzzle. *Science*, **313**, 1055-1057.

Stork, N.E. 2007. World of insects. *Nature*, **448**, 657-658.

PUBLICATIONS

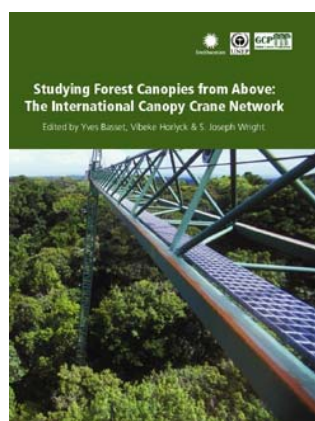
In chronological order; numbers in **bold** refer to major publications; numbers underlined indicate that a pdf file is available at <http://striweb.si.edu/basset/>



Books

Basset, Y., Novotny, V., Miller, S.E. & Kitching, R.L. (eds) 2003. *Arthropods of Tropical Forests. Spatio-temporal Dynamics and Resource Use in the Canopy*. Cambridge University Press, xvi + 474 pp.

See <http://titles.cambridge.org/catalogue.asp?ISBN=0521820006>



Basset, Y. Horlyck, V. & Wright, S.J. (eds) 2003. *Studying Forest Canopies from Above: The International Canopy Crane Network*. Smithsonian Tropical Research Institute and UNEP, Panama City, 196 pp.

Available on-line at

http://www.stri.org/english/research/facilities/terrestrial/cranes/canopy_crane_network.php

Articles in journals or books

1. Basset, Y. 1985. Comparaison de quelques méthodes de piégeage de la faune dendrobie. *Bulletin Romand d'Entomologie* **3**, 1-14.
2. Basset, Y. 1985. Les peuplements d'arthropodes sur *Pinus mugo* Turra dans les tourbières du Haut-Jura neuchâtelois. *Bulletin de la Société neuchâteloise de Sciences naturelles* **108**, 63-76.
3. Basset, Y. 1985. Aspects de la répartition des peuplements d'arthropodes dans les couronnes de *Pinus mugo* Turra. *Mitteilungen der Schweizerischen Entomologischen Gesellschaft* **58**, 263-274.
4. Basset, Y. 1986. Aspects de la répartition des peuplements d'arthropodes sur le tronc, sous les écorces et le bois mort de *Pinus mugo* Turra. *Mitteilungen der Schweizerischen Entomologischen Gesellschaft* **59**, 349-364.
5. Basset, Y. 1988. Notes sur quelques insectes phytophages associés au pin à crochet, *Pinus mugo* Turra. *Bulletin de la Société neuchâteloise de Sciences naturelles* **111**, 55-60.
6. Basset, Y. 1988. A composite interception trap for sampling arthropods in tree canopies. *Journal of the Australian entomological Society* **27**, 213-219.
7. Basset, Y. 1990. The arboreal fauna of the rainforest tree *Argyrodendron actinophyllum* as sampled with restricted canopy fogging: Composition of the fauna. *The Entomologist* **109**, 173-183.
- 8.** Basset, Y. 1991. The taxonomic composition of the arthropod fauna associated with an Australian rainforest tree. *Australian Journal of Zoology* **39**, 171-190.
9. Basset, Y. 1991. The seasonality of arboreal arthropods foraging within an Australian rainforest tree. *Ecological Entomology* **16**, 265-278.
- 10.** Basset, Y. 1991. Influence of leaf traits on the spatial distribution of insect herbivores associated with an overstorey rainforest tree. *Oecologia* **87**, 388-393.
11. Basset, Y. 1991. The spatial distribution of herbivory, galls and mines within an Australian rainforest tree. *Biotropica* **23**: 271-281.

12. Basset, Y. 1991. Leaf production of an overstorey rainforest tree and its effects on the temporal distribution of associated insect herbivores. *Oecologia* **88**, 211-219.
13. Basset, Y. & Kitching, R.L. 1991. Species number, species abundance and body length of arboreal arthropods associated with an Australian rainforest tree. *Ecological Entomology* **16**, 391-402.
14. Basset, Y. 1992. Influence of leaf traits on the spatial distribution of arboreal arthropods within an overstorey rainforest tree. *Ecological Entomology* **17**, 8-16.
15. Basset, Y. 1992. Host specificity of arboreal and free-living insect herbivores in rain forests. *Biological Journal of the Linnean Society* **47**, 115-133.
16. Basset, Y. 1992. Synecology and aggregation patterns of arboreal arthropods associated with an overstorey rainforest tree in Australia. *Journal of Tropical Ecology* **8**, 317-327.
17. Basset, Y. 1992. Activité et distribution spatiale de l'entomofaune mobile associée à un arbre des forêts humides d'Australie. *Vie et Milieu* **42**, 253-262.
18. Basset, Y., Aberlenc, H.-P. & Delvare, G. 1992. Abundance and stratification of foliage arthropods in a lowland rain forest of Cameroon. *Ecological Entomology* **17**, 310-318.
19. Basset, Y., Aberlenc, H.-P. & Delvare, G. 1992. Abondance, diversité et stratification verticale de l'entomofaune d'une forêt tropicale humide africaine. In: F. Hallé & O. Pascal (eds) Biologie d'une canopée de forêt équatoriale - II. Rapport de Mission: Radeau des cimes octobre novembre 1991, Réserve de Campo, Cameroun. Fondation Elf, Paris, pp. 45-52.
20. Basset, Y. & Arthington, A.H. 1992. The arthropod community associated with an Australian rainforest tree: abundance of component taxa, species richness and guild structure. *Australian Journal of Ecology* **17**, 89-98.
21. Basset, Y. & Burckhardt, D. 1992. Abundance, species richness, host utilization and host specificity of insect folivores from a woodland site, with particular reference to host architecture. *Revue suisse de Zoologie* **99**, 771-791.
22. Basset, Y., Favaro A., Springate, N.D. & Battisti, A. 1992. Observations on the relative effectiveness of *Scolytus mutistriatus* (Marshall) and *Scolytus pygmaeus* (Fabricius) as vectors of the Dutch elm disease. *Mitteilungen der Schweizerischen Entomologischen Gesellschaft* **65**, 61-67.
23. Basset, Y. & Springate, N.D. 1992. Diel activity of arboreal arthropods associated with a rainforest tree. *Journal of Natural History* **26**, 947-952.
24. Basset, Y. 1993. Arthropod species-diversity and component communities in the rainforest canopy: lessons from the study of an Australian tree. *Tropical Zoology, Special Issue* **1**, 19-30.
25. Basset, Y. 1993. Patterns in the organisation of the arthropod community associated with an Australian rainforest tree: how distinct from elsewhere? *Selbyana* **14**, 13-15.
26. Basset, Y. & Höft, R. 1993. Can apparent leaf damage in tropical trees be predicted by herbivore load or host-related variables? A case study in Papua New Guinea. In *Proceedings of the Biological Society of New Guinea, 1993* (ed R. Höft), pp. 93-95, Wau Ecology Institute, Wau, Papua New Guinea.
27. Basset, Y. & Höft, R. 1994. Can apparent leaf damage in tropical trees be predicted by herbivore load or host-related variables? A case study in Papua New Guinea (abstract). *Science in New Guinea* **20**, 3-4.
28. Basset, Y. 1994. Palatability of tree foliage to chewing insects: a comparison between a temperate and a tropical site. *Acta Oecologica* **15**, 181-191.
29. Basset, Y. & Höft, R. 1994. Can apparent leaf damage in tropical trees be predicted by herbivore load or host-related variables? A case study in Papua New Guinea. *Selbyana* **15**, 3-13.
30. Basset, Y., Springate, N.D. & Samuelson, G.A. 1994. Feeding habits and range of body size: a case study in Papua New Guinea using arboreal leaf-beetles and weevils (Coleoptera: Chrysomelidae, Curculionidae). *Mitteilungen der Schweizerischen Entomologischen Gesellschaft* **67**, 347-361.
31. Cowie, R.H., Nishida, G.M., Basset, Y. & Gon, S.M. III 1995. Patterns of land snail distribution in a montane habitat on the island of Hawaii. *Malacologia* **36**, 155-169.
32. Basset, Y. 1995. Arthropod predator-prey ratios on vegetation at Wau, Papua New Guinea. *Science in New Guinea* **21**, 103-112.
33. Springate, N.D. & Basset, Y. 1996. Diel activity of arboreal arthropods associated with Papua New Guinean trees. *Journal of Natural History* **30**, 101-112.
34. Basset, Y., Samuelson, G.A. & Miller, S.E. 1996. Similarities and contrasts in the local insect faunas associated with ten forest tree species of New Guinea. *Pacific Science* **50**, 157-183.
35. Basset, Y. 1996. Local communities of arboreal herbivores in Papua New Guinea: predictors of insect variables. *Ecology* **77**, 1906-1919.
36. Basset, Y. 1996. Leaf chewing insects feeding on figs (*Ficus* spp.) in the Madang area: species richness and host specificity [abstract]. *Science in New Guinea* **21**, 140-141.
37. Basset, Y. & Orsak, L. 1996. The all-taxa biological inventory in Costa Rica: an example for Papua New Guinea? [abstract]. *Science in New Guinea* **21**, 141.
38. Dal, C. & Basset, Y. 1996. Leaf chewing insects feeding on figs (*Ficus* spp.) in the Madang area: methods and faunal composition [abstract]. *Science in New Guinea* **21**, 141.
39. Basset, Y. & Samuelson, G.A. 1996. Ecological characteristics of an arboreal community of Chrysomelidae in Papua New Guinea. In: *Chrysomelidae Biology. Volume 2: Ecological Studies* (eds P.H.A. Jolivet & M.L. Cox), pp. 243-262. SPB Academic Publishing, Amsterdam.

- 40.** Basset, Y., Samuelson, G.A., Allison, A. & Miller, S.E. 1996. How many host-specific insect species feed on a species of tropical tree? *Biological Journal of the Linnean Society* **59**, 201-216.
- 41.** Basset, Y. 1997. Species - abundance and body size relationships in insect herbivores associated with New Guinea forest trees, with particular reference to insect host-specificity. In: *Canopy Arthropods* (eds N.E. Stork, J.A. Adis & R.K. Didham), pp. 237-264. Chapman & Hall, London.
- 42.** Basset, Y., Springate, N.D., Aberlenc, H.-P. & Delvare, G. 1997. A review of methods for sampling arthropods in tree canopies. In: *Canopy Arthropods* (eds N.E. Stork, J.A. Adis & R.K. Didham), pp. 27-52. Chapman & Hall, London.
- 43.** Basset, Y., Novotny, V. & Weiblen, G. 1997. *Ficus*: a resource for arthropods in the tropics, with particular reference to New Guinea. In *Forests and Insects: 18th Symposium of the Royal Entomological Society* (eds A. Watt, N.E. Stork & M. Hunter), pp. 341-361. Chapman & Hall, London.
- 44.** Novotny, V., Basset, Y., Miller, S.E., Allison, A., Samuelson, G.A. & Orsak, L.J. 1997. The diversity of tropical insect herbivores: an approach to collaborative international research in Papua New Guinea. In: *Proceedings of the International Conference on Taxonomy and Biodiversity Conservation in the East Asia* (eds B.H. Lee, J.C. Choe & H.Y. Han), pp. 112-125. Korean Institute for Biodiversity Research of Chonbuk National University, Chonju.
- 45.** Novotny, V. & Basset, Y. 1998. Seasonality of sap-sucking insects (Auchenorrhyncha, Hemiptera) feeding on *Ficus* (Moraceae) in a lowland rain forest in Papua New Guinea. *Oecologia* **115**, 514-522.
- 46.** Basset, Y., Novotny, V., Miller, S.E. & Springate, N.D. 1998. Assessing the impact of forest disturbance on tropical invertebrates: some comments. *Journal of Applied Ecology* **35**, 461-466.
- 47.** Adis, J., Basset, Y., Floren, A., Hammond, P.M. & Linsenmair, K.E. 1998. Canopy fogging of an overstorey tree - Recommendations for standardization. *Ecotropica* **4**, 93-97.
- 48.** Basset, Y. & Charles, E. 1998. Insect fauna differences between mature rain forest trees and their seedlings: an example from Guyana. Abstract. *Selbyana* **19**, 268.
- 49.** Basset, Y. 1999. Diversity and abundance of insect herbivores foraging on seedlings in a rain forest in Guyana. *Ecological Entomology* **24**, 245-259.
- 50.** Novotny, V., Basset, Y., Samuelson, G.A. & Miller, S.E. 1999. Host use by chrysomelid beetles feeding on *Ficus* (Moraceae) and Euphorbiaceae in New Guinea. In *Advances in Chrysomelidae Biology 1* (ed. M. Cox), pp. 343-360. Backhuys Publishers, Leyden.
- 51.** Basset, Y., Charles, E.L. & Novotny, V. 1999. Insect herbivores on parent trees and conspecific seedlings in a Guyana rain forest. *Selbyana* **20**, 146-158.
- 52.** Novotny, V., Basset, Y., Auga, J., Boen, W., Dal, C., Drozd, P., Kasbal, M., Isua, B., Kutil, R., Manumbor, M. & Molem, K. 1999. Predation risk for herbivorous insects on tropical vegetation: a search for enemy-free space and time. *Australian Journal of Ecology* **24**, 477-483.
- 53.** Basset, Y. & Novotny, V. 1999. Species richness of insects herbivores on *Ficus* spp. in Papua New Guinea. *Biological Journal of the Linnean Society* **67**, 477-499.
- 54.** Novotny, V. & Basset, Y. 1999. Body size and host plant specialisation: a relationship from a community of herbivorous insects from New Guinea. *Journal of Tropical Ecology* **15**, 315-328.
- 55.** Basset, Y. 1999. Diversity and abundance of insect herbivores collected on *Castanopsis acuminatissima* (Fagaceae) in New Guinea: relationships with leaf production and surrounding vegetation. *European Journal of Entomology* **96**, 381-391.
- 56.** Burckhardt, D. & Basset, Y. 2000. Systematics, biology and evolution of the jumping plant-lice (Hemiptera, Psylloidea) associated with *Schinus* (Anacardiaceae). *Journal of Natural History* **34**, 57-155.
- 57.** Basset, Y. 2000. Insect herbivores foraging on seedlings in an unlogged rain forest in Guyana: spatial and temporal considerations. *Studies on Neotropical Fauna and Environment* **35**, 115-129.
- 58.** Novotny, V. & Basset, Y. 2000. Rare species in communities of tropical insect herbivores: pondering the mystery of singletons. *Oikos* **89**, 564-572.
- 59.** Basset, Y., Novotny, V., Miller, S.E. & Pyle, R. 2000. Quantifying biodiversity: Experience with parataxonomists and digital photography in New Guinea and Guyana. *BioScience* **50**, 899-908.
- 60.** Basset, Y. & Charles, E. 2000. An annotated list of insect herbivores foraging on the seedlings of five forest trees in Guyana. *Anais da Sociedade Entomológica do Brasil* **29**, 433-452.
- 61.** Basset Y., Aberlenc H.-P., Barrios H., Curletti G., Béranger J.-M., Vesco J.-P., Causse P., Haug A., Hennion A.-S., Lesobre L., Marques F. & O'Meara R. 2000. Stratification and diel activity of arthropods foraging within the upper canopy and understorey of a rain forest at La Makandé, Gabon. In: F. Hallé (ed) *Biologie d'une canopée de forêt tropicale – IV. Rapport de la mission du radeau des cimes à la Makandé, forêt des Abeilles, Gabon, Janvier-Mars 1999*. Pro-Natura International & Opération Canopée, Paris, 26-39.
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- 114.** Basset, Y., Corbara, B., Barrios, H., Cuénoud, P., Leponce, M., Aberlenc, H.-P., Bail, J., Bito, D., Bridle, J.R., Castaño-Meneses, G., Cizek, L., Cornejo, A., Curletti, G., Delabie, J.H.C., Dejean, A., Didham, R.K., Dufrêne, M., Fagan, L.L., Floren, A., Frame, D.M., Hallé, F., Hardy, O.J., Hernandez, A., Kitching, R.L., Lewinsohn, T.M., Lewis, O.T., Manumbor, M., Medianero, E., Missa, O., Mitchell, A.W., Mogia, M., Novotny, V., Oliveira, E.G. de, Ødegaard, F., Orivel, J., Ozanne, C.M.P., Pascal, O., Pinzón, S., Rapp, M., Ribeiro, S.P., Roisin, Y., Roslin, T., Roubik, D.W., Samaniego, M., Schmidl, J., Sørensen, L.L., Tishechkin, A., Van Osselaer, C. & Winchester, N.N. 2007. IBISCA-Panama, a large-scale study of arthropod beta-diversity and vertical stratification in a lowland rainforest: rationale, description of study sites and field methodology. *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique- Entomologie*, **77**, 39-69.
- 115.** Leather, S.R., Basset, Y. & Hawkins, B.A. 2008. Insect Conservation and Diversity – a new journal for the Royal Entomological Society. *Insect Conservation and Diversity*, **1**, 1.
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- 117.** Missa, O., Basset, Y., Alonso A., Miller, S.E., Curletti, G., De Meyer, M., Eardley, C., Mansell, M.W. & Wagner, T. 2008. Monitoring arthropods in a tropical landscape: relative effects of sampling methods and habitat types on trap catches. *Journal of Insect Conservation*, in press.
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- 119.** Basset, Y., Missa, O., Alonso A., Miller, S.E., Curletti, G., De Meyer, M., Eardley, C., Lewis, O.T., Mansell, M.W., Novotny, V. & Wagner, T. 2008. Faunal turnover of arthropod assemblages along a wide gradient of disturbance in Gabon. *African Entomology*, in press.

MANUSCRIPTS IN REVIEW

- Basset, Y., Missa, O., Alonso A., Miller, S.E., Curletti, G., De Meyer, M., Eardley, C., Lewis, O.T., Mansell, M.W., Novotny, V. & Wagner, T. Changes in arthropod assemblages along a wide gradient of disturbance in Gabon. Submitted to *Conservation Biology*.

MANUSCRIPTS IN PREPARATION

- Basset, Y., Barrios, H., Novotny, V. & Weiblen, G.D. Stratification and host use of treehoppers (Hemiptera: Membracoidea) and weevils (Coleoptera: Curculionoidea) in a wet tropical forest (for *Ecological Monographs*).
- Basset, Y. Global ecology: insect-plant interactions in tropical rainforests.
- Bonfils, J., Aberlenc, H.-P., Basset, Y. & Gnezdilov, V.M. A new species of *Oronoqua* Fennah, 1947 from Panama (Hemiptera: Issidae: Issinae: Thioniini).
- Castaño-Meneses, G., Palacios-Vargas, J.G., Basset, Y. & Winchester, N.N. Spatial variation in canopy springtails (Hexapoda: Collembola) communities from the San Lorenzo Tropical Forest, Panama.
- Miller, S.E., Holloway, J.D., Janzen, D.H., Novotny, V., Basset, Y., Darrow, K., Weiblen, G.D. The taxonomic impediment in the tropics: dissecting the moth myth.

UNPUBLISHED REPORTS (in chronological order)

- Basset, Y. 1984. Contribution à la connaissance des peuplements d'arthropodes sur *Pinus mugo* Turra dans les tourbières du Haut-Jura neuchâtelois. Travail de licence, Université de Neuchâtel.
- Basset, Y. 1989. The temporal and spatial distribution of arboreal arthropods associated with the rainforest tree *Argyrodendron actinophyllum*. PhD thesis, Griffith University, Brisbane.
- Basset, Y., Aberlenc, H.-P. & Delvare, G. 1992. Abondance, diversité et stratification verticale de l'entomofaune d'une forêt tropicale humide africaine. Rapport de mission Cameroun 1991. Unpublished report, CIRAD, Montpellier.

ABSTRACTS AND POSTERS (in chronological order)

- Basset, Y. 1988. The arboreal fauna of the rainforest tree *Argyrodendron actinophyllum* Edlin (Sterculiaceae) as sampled with restricted canopy fogging: some preliminary results. Australian Entomological Society. Abstracts of the 19th Scientific Conference and AGM, Brisbane, May 1988, p. 25.

- Basset, Y. 1990. Species number, species abundance and body length of arboreal arthropods associated with an Australian rainforest tree. Abstracts of Lectures and Posters presented at the International Symposium "Agroecology and Conservation Issues in Temperate and Tropical Regions", University of Padova, Italy, September 26-29, 1990. (ed M.G. Paoletti, M.R. Favretto & G.G. Lorenzoni) p.15, Stecchini Publisher, Padova.
- Basset, Y. 1992. Leaf palatability and insect species-richness in Papua New Guinean forest trees. Poster presented at the 43rd annual meeting of the American Institute of Biological Sciences. Symposium organised by the Association for Tropical Biology: "Rain forest canopy research".
- Basset, Y. 1994. Species richness, host specificity and body size relationships of tropical insect herbivores. Proceedings of the VI International Congress of Ecology, 21 to 26 August 1994, Manchester, United Kingdom (ed J.H. Tallis, H.J. Norman & R.A. Benton), p. 161, Westlake Publishing Ltd, Cambridge.
- Basset, Y. 1994. Local communities of arboreal insect herbivores in Papua New Guinea: predictors of species richness and host specificity. Abstracts of the 5th European Congress of Entomology, University of York, U.K., 29 August - 2 September 1994. Presentation no. 57.
- Basset, Y. 1995. Host specificity of rainforest arthropods, with special reference to the canopy. Second International European Science Foundation Workshop on Tropical Canopy Research, Günzburg, Germany 27-30 July 1995. Final Scientific Report (eds R. Lücking, M. Freiberg, A. Lücking, E. Freiberg & G. Gottsberger), pp. 44-47.
- Barrios, H. & Basset, Y. 2000. Comunidad de insectos herbivoros en plantas y arboles del bosque tropical. VI Congreso Nacional de Ciencia y Tecnología, 30 de noviembre al 2 diciembre de 2000, Panamá, República de Panamá. Pp. S4C.
- Basset, Y., Novotny, V. & Miller, S.E. 2000. Studying host and microhabitat use by arthropods in tropical rain forest canopies: issues & perspectives. XXI International Congress of Entomology Abstracts (ed D.L. Gazzoni), p. 902, Embrapa Soja, Londrina, Brasil.
- Weiblen, G.D., Novotny, V., Basset, Y. & Miller, S.E. 2000. Insect herbivores as predictors of plant phylogeny: examples from New Guinea Ficus. XXI International Congress of Entomology Abstracts (ed D.L. Gazzoni), p. 144, Embrapa Soja, Londrina, Brasil.

SYMPOSIA AND MEETINGS ORGANIZED

- 2005: Co-convenor with M. Leponce of the workshop 'Unraveling the distribution of mega-biodiversity in complex ecosystems: Relationships between vertical gradients and beta-diversity of arthropods in tropical rainforests'. European Science Foundation Exploratory Workshop EW04-049, 5-9 July 2005, Royal Belgian Institute of Natural Sciences, Brussels, Belgium.
- Organizer with A. Floren of the symposium 'Arthropods in temperate and tropical forest canopies', for the 4th International Canopy Conference, Leipzig, Germany, 10-17 July 2005.
- Organizer with E.G. Oliveira & S.P. Ribeiro of the symposium 'Arthropods of Tropical Canopies: Current Themes of Research', for the annual meeting of the Association for Tropical Biology and Conservation, Uberlandia, Brazil 24-28 July 2005.
- 2002: Organizer with H. Barrios of the symposium 'Insects in tropical forest canopies', for the annual meeting of the Association for Tropical Biology, Panama 29 June-3 July 2002.
- 2000: Organizer, with N. Novotny and S.E. Miller, of the symposium "Host and microhabitat use by arthropods in tropical forest canopies", for the XXI International Congress of Entomology in Iguassu Falls, Brazil, 20-26 August 2000.

SELECTED INVITED SYMPOSIA AND MEETINGS

- 2007: Museo Regionale di Scienze Naturali di Torino, Italy: 'Global ecology: insect-plant interactions in tropical rainforests'. Torino, 29 June 2007.
- 2006: Muséum d'histoire naturelle, Neuchâtel, Switzerland: 'L'importance des canopées tropicales pour les études de biodiversité'. 20 December 2006.
- XXIII Congreso Científico Nacional: 'Project IBISCA in Panama and distribution of Auchenorrhyncha', Universidad de Panamá, 22 September 2006.
- 2005: European Science Foundation and United Nations Environment Programme workshop 'Unraveling the distribution of mega-biodiversity in complex ecosystems: Relationships between vertical gradients and beta-diversity of arthropods in tropical rainforests'. Royal Belgian Institute of Natural Sciences, Brussels, 5-9 July 2005, Belgium.
- UNEP-Global Canopy Programme workshop: 'Whole Forest Observatories: A Network for monitoring canopy biodiversity and global climate change', St Anne college, 5-9 June 2005, UK.
- Project IBISCA. Lecture at the Queensland Government Building, Brisbane, 22 March 2005. Invited by Griffith University (Prof R.L. Kitching).
- 2004: On the commonness of rarity. Workshop held at McGill University, Montreal, Canada, 8 December 2004. "The significance of tropical forest canopies for biodiversity studies", seminar held at McGill, 9 December 2004.

- Three-week study period at the Centre for Population Biology, Imperial College at Silwood Park, U.K, 14 June to 4 July 2004. Host: Prof. H.C.J. Godfray.
- 2003: Biology and Biodiversity Inventory of Caterpillars, Area de Conservacion Guanacaste (ACG), northwestern Costa Rica, 19-28 June 2003. Sponsored by US National Science Foundation and ACG. PI: Prof. Daniel H. Janzen.
- 2002: Actualización de la Lista de Especies de Invertebrados de Panama, Autoridad Nacional del Ambiente, Panama City, 23 July 2002.
- 19° Congresso Brasileiro de Entomologia, Manaus, Brazil, 16-21 June 2002. "Collecting and analysing arthropod data: A practical example: Effects of anthropogenic disturbance on arthropods at Gamba, Gabon".
- Global Canopy Programme Workshop, Göttingen, Germany, 24-25 February 2002.
- 2001: Conservation International, Workshop on expanding the capacity to map invertebrates at a global scale, Harvard University, June 20.
- 1999: European Science Foundation, International Forest Canopy Research Planning Workshop, Oxford, 20-24 November. Conservation International, Workshop on assessing and monitoring the status of biodiversity in tropical forest habitats, Washington, 4-8 October. "Diversity of insect herbivores in rain forests".
- 1998: European Science Foundation, Scientific Programme on Tropical Canopy Research, Final Conference, Oxford, 12-16 December. "Invertebrates in the canopy of tropical rain forests: how much do we really know?". Second International Canopy Conference. Forest canopies: Global Perspectives. Sarasota, FL, 4-8 November. "Insect herbivores on parent trees and conspecific seedlings in a rain forest in Guyana".
- 1997: International Tropical Forest Canopy Symposium, Smithsonian Tropical Research Institute, Panama, 10-13 March. "The diversity of tropical insect herbivores: projects involving the international research group at Bishop Museum, Honolulu".
- 1996: European Science Foundation, Scientific Programme on Tropical Canopy Research, Workshop on Protocols and Data Processing, Sant Feliu de Guixols, Spain, 11-15 December. CARINET, the sub-regional LOOP of BioNET-International. First LOOP Coordinating Committee Meeting, Port of Spain, Trinidad, 4-5 September.
- 1995: Second International European Science Foundation Workshop on Tropical Canopy Research, University of Ulm, Germany. "Host specificity of rainforest arthropods, with special reference to the canopy" (July). International consultant for the Coleoptera TWIG workshop related to the "All Taxa Biodiversity Inventory" project directed by Prof. D.H. Janzen. Guanacaste, 27 April - 7 May, InBio, Costa Rica.
- 1994: VI International Congress of Ecology, 21-26 August 1994, Manchester, U.K. "Species richness, host specificity and body size relationships of tropical insect herbivores".
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