

## 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, one son.  
Present position: Entomologist, ForestGEO Arthropod Initiative, Smithsonian Tropical Research Institute, Panama.  
**Contact address: Smithsonian Tropical Research Institute, Apartado 0843-03092, Balboa, Ancon, Panama City, Republic of Panama. Ph +507 212 8233, Fax +507 212 8148. Email [bassety@si.edu](mailto:bassety@si.edu)**  
Web pages: <https://stri.si.edu/scientist/yves-basset>  
*ForestGEO Arthropod Initiative:* <https://forestgeo.si.edu/node/145497/>

### EDUCATION

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

### QUALIFICATIONS AND EXPERIENCE

2011-: Investigador Distinguido, Sistema Nacional de Investigación, SENACYT, Panama.  
<http://www.senacyt.gob.pa/sobre-senacyt/sistema-nacional-de-investigacion-sni/>  
2007-: Entomologist, ForestGEO (Center for Tropical Forest Science) arthropod initiative, Smithsonian Tropical Research Institute, Panama  
2003-2008: 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: MSc 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

- 2011-: Research Associate, University of South Bohemia, Ceske Budejovice, Czech Republic.
- 2005-10: 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

- 2020: Research grant from the GACR, Czech Republic: \$368,000. PI (to University of South Bohemia).  
Research grant from the Smithsonian DNA Barcoding Opportunity, USA: \$11,890. PI.
- 2018: Research grant from the Smithsonian DNA Barcoding Opportunity, USA: \$10,000. PI.
- 2016: Research grant from the SENACYT, Panama: \$57,000. PI.

- 2015: Research grant from the Smithsonian DNA Barcoding Opportunity, USA: \$16,000. PI.  
 Research grant from the SENACYT, Panama: \$60,000. Co-PI.  
 Research grant from the GACR, Czech Republic: \$343,928. PI (to University of South Bohemia).
- 2014: Research grant from the GACR, Czech Republic: \$992,137. PI (to University of South Bohemia).
- 2013: Research grant from the GACR, Czech Republic: \$323,121. PI (to University of South Bohemia).  
 Research grant from the Smithsonian Institution, USA: \$19,556. PI.  
 Research grant from the Center for Tropical Forest Science, USA: \$10,000. Co-PI with C. Dahl, R. Ctvrticka & S. Segar.
- 2012: Research grant from the Smithsonian Institution, USA: \$49,000. PI.
- 2009: Research grant from the National Science Foundation, USA: \$635,023 (to University of Minnesota, DEB, proposal 0841885). Co-principal investigator with G.D. Weiblen, S.E. Miller and V. Novotny.
- 2008: Research grant from the National Science Foundation, USA: \$ 407,500 (to University of Minnesota, DEB, proposal 0816749). Co-principal investigator with G.D. Weiblen, S.E. Miller and V. Novotny.
- 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 Laponce.  
 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: \$2,527,647; as Co-PI: \$3,401,865; Total \$5,929,512.

## TEACHING EXPERIENCE

- 2007: Course: Tropical Ecology NEO BIOL 640, McGill University, Canada.  
2006-: Adjunct Professor, Department of Natural Resource Sciences, McGill University, Canada.  
2006-2017: 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

Senior Editor, *Insect Conservation and Diversity*, launched in 2008 by the Royal Entomological Society and Wiley-Blackwell Publishing. <https://onlinelibrary.wiley.com/journal/17524598>. Impact factor: 2.313 (2019).



Member of the editorial council for *Scientia*, the journal of the University of Panama (2015-).  
<https://revistas.up.ac.pa/index.php/scientia>

## 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](http://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

Entomological Society of Geneva.

## 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 (23 years), Papua New Guinea (3 years), Switzerland, Thailand.

## PUBLISHED REVIEW OF MY RESEARCH (in reverse chronological order)

- Full list of media coverage for Basset *et al.*, *Science* 338, 1481-1484 (2012):  
<http://cb.naturalsciences.be/ants/projects/ibisca-Science-paper-2012.htm>
- Lewinsohn, T.M. 2010. A large trophic quilt. *Journal of Animal Ecology*, **79**, 1143-1145.
- Odling-Smee, L. 2010. Biodiversity research: Counting creatures. *Nature*, 465, 400-401.
- May, R.M. 2010. Tropical arthropod species, more or less. *Science*, 239, 41-42.
- Hodebert, G. 2010. Quoi de neuf, Monsieur Noé? Et pour un insect de plus. *National Geographic France*, 134, Novembre 2010.
- Stork, N.E. 2007. World of insects. *Nature*, **448**, 657-658.
- 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.
- Raine, N. 2005. Arthropods of Tropical Forests: Spatio-temporal Dynamics and Resource Use in the Canopy. *Animal Conservation*, **8**, 347.
- 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.
- 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.
- Roslin, T. 2002. Herbivory passing the limits. *Trends in Ecology and Evolution* **17**, 355.
- Gaston, K. J. 1993. Herbivory at the limits. *Trends in Ecology and Evolution* **8**, 193-194.

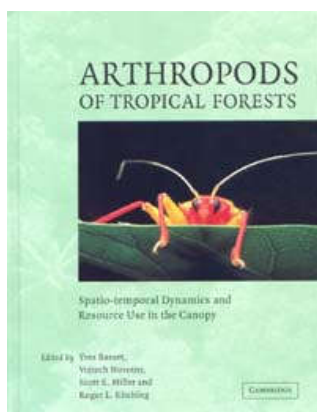
## PUBLICATIONS

In reverse chronological order; numbers in **bold** refer to major publications;  
numbers underlined indicate that a pdf file is available

### 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.**

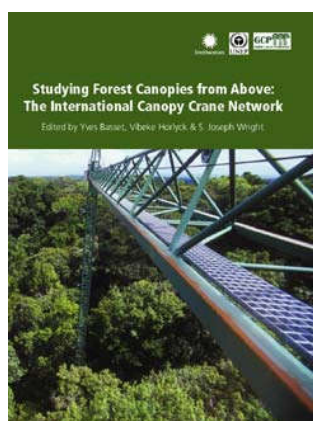
See <http://titles.cambridge.org/catalogue.asp?ISBN=0521820006>



**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](http://www.stri.org/english/research/facilities/terrestrial/cranes/canopy_crane_network.php)



### Articles in journals or books

189. **Basset, Y.**, Donoso, D.A., Hajibabaei, M., Wright, M.T.G., Perez, K.H.J., Lamarre, G.P.A., De León, L.F., Palacios-Vargas, J.G., Castaño-Meneses, G., Rivera, R., Perez, F., Bobadilla, R., Lopez, Y., Ramirez, J.A. & Barrios, H. 2020. Methodological considerations for monitoring soil/litter arthropods in tropical rainforests using DNA metabarcoding, with a special emphasis on ants, springtails and termites. *Metabarcoding and Metagenomics*, **4**, 151-163.
188. Davies, S.J, Abiem, I., Salim, K.A., Aguilar, S., Allen, D., Alonso, A., Anderson-Teixeira, K., Andrade, A., Arellano, G., Ashton, P.S., Baker, P.J., Baker, M.E., Baltzer, J.L., **Basset, Y.**,..., Zuleta, D. 2020. ForestGEO: understanding forest diversity and dynamics through a global observatory. *Biological Conservation*, in press.
187. Landry, B., **Basset, Y.**, Hebert, P.D.N., & Maes, J.-M. 2020. On the Pyraloidea fauna of Nicaragua. *Tropical Lepidoptera Research*, **30**, 93-102.
186. Leponce, L., Pascal, O., **Basset, Y.** & Novotny, V. 2020. Organizing large-scale inventories of biodiversity in the tropics: the genesis and lessons of the project Our Planet Reviewed Papua New Guinea – land component, in Robillard, T., Legendre, F., Villemant, C. & Leponce, M. (eds), Insects of Mount Wilhelm, Papua New Guinea - Volume 2. Muséum National d'Histoire Naturelle, Paris. *Mémoires du Muséum National d'Histoire Naturelle*, **214**, 11-40.
185. Finnie, S., Sam, K., Leponce, M., **Basset, Y.**, Drew, D., Schutze, M.K., Dahl, C., Damag, M., Dilu, M., Gewa, B., Kaupa, B., Keltim, M., Koane, B., Kua, J., Lilip, R., Mogia, M., Philip, F., Ray, B., Sam, L., Tulai, S., Uma, C., Umari, R., Valeba, J., Yalang, J. & Novotny, V. 2020. Assemblages of fruit flies (Diptera: Tephritidae) along an elevational gradient in the rainforests of Papua New Guinea. *Insect Conservation and Diversity*, in press.
184. Brown, J. W., Gripenberg, S., **Basset, Y.**, Calderón, O., Simon, I., Fernandez, C., Cedeno, M. & Rivera, M. 2020. Host records for Tortricidae (Lepidoptera) reared from seeds and fruits in Panama. *Proceedings of the Entomological Society of Washington*, **122**, 12-24.
183. **Basset, Y.**, Palacios-Vargas, J.G., Donoso, D.A., Castaño-Meneses, G., Decaëns, T., Lamarre, G.P., De León, L.F., Rivera, M., García-Gómez, A., Perez, F., Bobadilla, R., Lopez, Y., Ramirez, J.A., Cruz, M.M., Galván, A.A., Mejía-Recamier, B.E. & Barrios, H. 2020. Enemy-free space and the distribution of ants, springtails and termites in the soil of one tropical rainforest. *European Journal of Soil Biology*, **99**, 103193.
182. Didham, R.K., **Basset, Y.**, Collins, M., Leather, S.R., Littlewood, N.A., Menz, M.H.M., Müller, J., Packer, L., Saunders, M.E., Schönrogge, K., Stewart, A.J.A., Yanoviak, S.P. & Hassall, C. 2020. Interpreting insect declines: seven challenges and a way forward. *Insect Conservation and Diversity*, **13**, 103-114.
181. Lamarre, G.P.A., Fayle T.M., Segar, S.T., Laird-Hopkins, B., Nakamura, A., Souto-Vilarós, D., Watanabe, S. & **Basset, Y.** 2020. Monitoring tropical insects in the 21st century. *Advances in Ecological Research*, **62**, 295-330.
180. Harvey, J.A., Heinen, R., Armbrecht, I. **Basset, Y.**, ... & de Kroon, H. 2020. International scientists formulate a roadmap for insect conservation and recovery. *Nature Ecology and Evolution*, **4**, 174-176.
179. Brown, J.W., **Basset, Y.**, Panmang, M., Putnall, S. & Miller, S.E. 2019. Host records for Tortricidae (Lepidoptera) reared from seeds and fruits in a Thailand rainforest. *Proceedings of the Entomological Society of Washington*, **121**, 544-556.
178. Volf, M., Klimeš, P., Lamarre, G.P.A., Redmond, C.M., Seifert, C.L., Abe, T., Auga, J., Anderson-Teixeira, K., **Basset, Y.**, Beckett, S. Butterill, P.T., Drozd, P., Gonzalez-Akre, E., Kaman, O., Kamata, N., Laird-Hopkins, B., Libral, M., Manumbor, M., Miller, S.E., Molem, K., Mottl, O., Murakami, M., Nakaji, T., Plowman, N.S., Pyszko, P., Šigut, M., Šipoš, J., Tropek, R., Weiblen, G.D. & Novotny, N. 2019. Quantitative assessment of plant-arthropod interactions in forest canopies: a plot-based approach. *PLoS ONE*, **14**, e0222119.
177. Didham, R.K., Leather, S.R. & **Basset, Y.** 2019. Ethics in entomology. *Antenna*, August 2019, 1-2.
176. Gripenberg, S., **Basset, Y.**, Lewis, O.T., Terry, J.C.D., Wright, S.J., Simón, I., Fernández, D.C., Cedeño-Sánchez, M., Rivera, M., Barrios, H., Brown, J.W., Calderón, O., Cognato, A.I., Kim, J., Miller, S.E., Morse, G.E., Pinzón-Navarro, S., Quicke, D.L.J., Robbins, R.K., Salminen, J.-P. & Vesterinen, E. 2019. A highly-resolved food web for insect seed predators in a species-rich tropical forest. *Ecology Letters*, **22**, 1638–1649.
175. Luk, C.-L., **Basset, Y.**, Kongnoo, P., Hau, B.C.H. & Bonebrake, T.C. 2019. Inter-annual monitoring improves diversity estimation of tropical butterfly assemblages. *Biotropica*, **51**, 519-528.
174. **Basset, Y.** & Lamarre, G.P.A. 2019. Toward a world that values insects. *Science*, **364**, 1230-1231.
173. Weiss, M., Didham, R.K., Procházka, J., Schläghamerský, J., **Basset, Y.**, Odegaard, F., Tichechkin, A.,

- Schmidl, J., Floren, A., Curletti, G., Aberlenc, H.-P., Bail, J., Barrios, H., Leponce, M., Medianero, E., Fagan, L.L., Corbara, B. & Cizek, L. 2019. Saproxyllic beetles in tropical and temperate forests – A standardized comparison of vertical stratification patterns. *Forest Ecology and Management*, **444**, 50–58.
172. Solé, R., Gripenberg, S., Lewis, O.T., Markesteijn, L., Barrios, H., Ratz, T., Ctvrticka, R., Butterill, P.T., Segar, S.T., Metz, M.A., Dahl, C., Rivera, M., Viquez, K., Ferguson, W., Guevara, M. & **Basset, Y.** 2019. The role of herbivorous insects and pathogens in the regeneration dynamics of *Guazuma ulmifolia* in Panama. *Nature Conservation*, **32**, 81–101.
171. Dahl, C., Ctvrticka, R., Gripenberg, S., Lewis, O.T., Segar, S.T., Klimes, P., Sam, K., Rinan, D., Filip, J., Lilip, R., Kongnoo, P., Panmeng, M., Putnau, S., Reungaew, M., Rivera, M., Barrios, H., Davies, S.J., Bunyavejchewin, S., Wright, S.J., Weiblen, G.D., Novotny, V. & **Basset, Y.** 2019. The insect-focused classification of fruit syndromes in tropical rainforests: an inter-continental comparison. *Biotropica*, **51**, 39–49.
170. **Basset, Y.**, Ctvrticka, R. Dahl, C. Miller, S.E., Quicke, D.L.J., Segar, S.T., Barrios, H., Beaver, R.A., Brown, J.B., Bunyavejchewin, S., Gripenberg, S., Knižek, M., Kongnoo, P., Lewis, O.T., Pongpattananurak, N., Pramual, P., Sakchoowong, W. & Schutze, M. 2019. Insect assemblages attacking seeds and fruits in a rainforest in Thailand. *Entomological Science*, **22**, 137-150.
169. **Basset, Y.**, Miller, S.E., Gripenberg, S., Ctvrticka, R., Dahl, C., Leather, S.R. & Didham, R.K. 2019. An entomocentric view of the Janzen–Connell hypothesis. *Insect Conservation and Diversity*, **12**, 1-8.
168. Redmond, C.M., Auga, J., Bradley, G., Segar, S.T., Miller, S.E., Molem, K., Weiblen, G.D., Butterill, P.T., Maiyah, G., Hood, A.S.C., Volf, M., Jorge, L.R., **Basset, Y.** & Novotný, V. 2019. High specialization and limited structural change in plant-herbivore networks along a successional chronosequence in tropical montane forest. *Ecography*, **42**, 162-172.
167. **Basset, Y.**, Dahl, C., Ctvrticka, R., Gripenberg, S., Lewis, O.T., Segar, S.T., Klimes, P., Barrios, H., Brown, J.W., Bunyavejchewin, S., Butcher, B.A., Cognato, A.I., Davies, S.J., Kaman, O., Knizek, M., Miller, S.E., Morse, G.E., Novotny, V., Pongpattananurak, N., Pramual, P., Quicke, D.L.J., Robbins, R.K., Sakchoowong, W., Schutze, M., Vesterinen, E.J., Wang, W.-z., Wang, Y.-y., Weiblen, G. & Wright, S.J. 2018. A cross-continental comparison of assemblages of seed- and fruit-feeding insects in tropical rainforests: faunal composition and rates of attack. *Journal of Biogeography*, **45**, 1395-1407.
166. Volf, M., Segar, S.T., Miller, S.E., Isua, B., Sisol, M., Aubona, G., Simek, P., Moos, M., Laitila, J., Kim, J., Zima, J. Jr., Rota, J., Weiblen, G.D., Wossa, S., Salminen, J.-P., **Basset, Y.** & Novotny, V. 2017. Community structure of insect herbivores is driven by conservatism, escalation and divergence of defensive traits in *Ficus*. *Ecology Letters*, **21**, 83-92.
165. Segar, S.T., Volf, M., Isua, B., Sisol, M., Redmond, C.M., Rosati, M.E., Gewa, B., Molem, K., Dahl, C., Holloway, J.D., **Basset, Y.**, Miller, S.E., Weiblen, G., Salminen, J.-P. & Novotny, V. 2017. Varyingly hungry caterpillars: predictive models and foliar chemistry suggest how to eat a rainforest. *Proceedings of the Royal Society, Series B*, **284**, 20171803, <http://dx.doi.org/10.1098/rspb.2017.1803>
164. **Basset, Y.**, Lamarre, G.P.A., Ratz, T., Segar, S.T., Decaëns, T., Rougerie, R., Miller, S.E., Perez, F., Bobadilla, R. Lopez, Y., Ramirez, J.A., Aiello, A. & Barrios, H. 2017. The Saturniidae of Barro Colorado Island, Panama: a model taxon for studying the long-term effects of climate change? *Ecology and Evolution*, **7**, 9991-10004.
163. Jorge, L.R., Novotny, V., Segar, S., Weiblen, G.D., Miller, S.E., **Basset, Y.** & Lewinsohn, T.M. 2017. Trophic specialization in a phylogenetic context: a robust comparison of herbivorous guilds. *Oecologia*, **185**, 551-559.
162. Leponce, M., Pascal, O., Novotny, V., & **Basset, Y.** 2017. Organizing large-scale biodiversity inventories in the tropics: lessons from IBISCA projects. In 54th Annual Meeting of the Association of Tropical Biology and Conservation (ATBC), Merida, Mexico, 9-13/7, pp. 188, Merida, Mexico.
161. Roslin, T., Hardwick, B., Novotny, V., Andrew, N., Asmus, A., Barrio, I. C., **Basset, Y.**, Boesing, A. L., Bonebrake, T. C., Cameron, E. K., Dattilo, W., Donoso, D. A., Drozd, P., Gray, C. L., Hik, D. S., Hill, S., Hopkins, T., Huang, S., Koane, B., Laird-Hopkins, B., Laukkanen, L., Lewis, O. T., Milne, S., Mwesige, I., Nakamura, A., Nell, C. S., Nichols, E., Petry, W. K., Prokurat, A., Sam, K., Schmidt, N. M., Slade, A., Slade, V., Suchankova, A., Teder, T., van Nouhuys, S., Vandvik, V., Weissflog, A., Zhukovich, V. & Slade, E. M. 2017. Higher predation risk for insect prey at low latitudes and elevations. *Science*, **356**, 742-744.
160. Didham, R.K., Leather, S.R. **Basset, Y.** 2017. Don't be a zero-sum reviewer. *Insect Conservation and Diversity*, **10**, 1-4.
159. **Basset, Y.**, Barrios, H., Ramirez, J.A., Lopez, Y., Coronado, J., Perez, F., Arizala, S., Bobadilla, R. & Leponce, M. 2017. Contrasting the distribution of butterflies and termites in plantations and tropical forests.



- Biodiversity and Conservation*, 26, 151-176.
158. Hudson, L.N., Newbold, T., Contu, S. et al. (incl. **Basset, Y.**) 2016. The database of the PREDICTS (Projecting Responses of Ecological Diversity In Changing Terrestrial Systems) project. *Ecology and Evolution*, 2016, 1–44.
157. Leponce, M. & **Basset, Y.** (2016) Organizing large-scale insect inventories in the tropics: lessons from IBISCA projects. In *Entomology in Belgium 2016*, 6th Symposium of the Royal Belgian Entomological Society, Brussels, 2/12/2016., p. 15.
156. Leponce, M., Novotny, V., Pascal, O., Robillard, T., Legendre, F., Villemant, C., Munzinger, J., Molino, J.-F., Drew, R., Odegaard, F., Schmidl, J., Tishechkin, A., Sam, K., Bickel, D., Dahl, C., Damas, K., Fayle, T.M., Gewa, B., Jacquemin, J., Keltim, M., Klimes, P., Koane, B., Kua, J., Mantilleri, A., Mogia, M., Molem, K., Moses, J., Nowatuo, H., Orivel, J., Pintaud, J.-C., Roisin, Y., Sam, L., Siki, B., Soldati, L., Soulier-Perkins, A., Tulai, S., Yombai, J., Wardhaugh, C., & **Basset, Y.** 2017. Land module of Our Planet Reviewed - Papua New Guinea: aims, methods and first taxonomical results. In *Insects of Mount Wilhelm, Papua New Guinea* (ed. by T. Robillard, F. Legendre, C. Villemant & M. Leponce). Mémoires du Muséum national d'Histoire naturelle. Vol. 209, pp. 13-48.
155. Lucas, M., Forero, D. & **Basset, Y.** 2016. Diversity and recent population trends of assassin bugs (Hemiptera: Reduviidae) on Barro Colorado Island, Panama. *Insect Conservation and Diversity*, 9, 546-558.
154. De Palma, A., Abrahamczyk, A., Aizen, M.A., Albrecht, M., **Basset, Y.**, Bates, A., Blake, R.J., Boutin, C., Bugter, R., Connop, S., Cruz-López, L., Cunningham, S.A., Darvill, B., Diekötter, T., Dorn, S., Downing, N., Entling, M.H., Farwig, N., Felicioli, A., Fonte, S.J., Fowler, R., Franzén, M., Goulson, M., Grass, I., Hanley, M.E., Hendrix, S.D., Herrmann, F., Herzog, F., Holzschuh, A., Jauker, B., Kessler, M., Knight, M.E., Kruess, A., Lavelle, P., Le Féon, V., Lentini, P., Malone, L.A., Marshall, J., Pachón, E.M., McFrederick, Q.S., Morales, C.L., Mudri-Stojnic, S., Parra, G.N., Nilsson, S.G., Öckinger, E., Osgathorpe, L., Parra, A., Peres, C., Persson, A.S., Petanidou, T., Poveda, K., Power, E.F., Quaranta, M., Quintero, C., Rader, R., Richards, M.H., Roulston, T., Rousseau, L., Sadler, J.P., Samnegård, U., Schellhorn, N.A., Schüepp, C., Schweiger, O., Smith-Pardo, A.H., Steffan-Dewenter, I., Stout, J.C., Toniello, R.K., Tschamtké, T., Tylianakis, J.M., Verboven, H.A.F., Vergara, C.H., Verhulst, J., Westphal, C., Yoon, H.J. & Purvis, A. 2016. Predicting bee community responses to land-use changes: Effects of geographic and taxonomic biases. *Scientific Reports*, 6, 31153. DOI: 10.1038/srep31153
153. Ribeiro, S.P. & **Basset, Y.** 2016. Effects of sclerophylly and host choice on gall densities and herbivory distribution in an Australian subtropical forest. *Austral Ecology*, 41, 219-226.
152. Didham, R.K., Leather, S.R. & **Basset, Y.** 2016. Circle the bandwagons – challenges mount against the theoretical foundations of applied functional trait and ecosystem service research. *Insect Conservation and Diversity*, 9, 1-3.
151. **Basset, Y.**, Cizek, L., Cuénoud, P., Didham, R.K., Novotny, V., Ødegaard, F., Roslin, T., Tishechkin, A.K., Schmidl, J., Winchester, N.N., Roubik, D.W., Aberlenc, H.-P., Bail, J., Barrios, H., Bridle, J.R., Castaño-Meneses, G., Corbara, B., Curletti, G., da Rocha, W.D., De Bakker, D., Delabie, J.H.C., Dejean, A., Fagan, L.L., Floren, A., Kitching, R.L., Medianero, E., de Oliveira, E.G., Orivel, J., Pollet, M., Rapp, M., Ribeiro, S.P., Roisin, Y., Schmidt, J.B., Sørensen, L., Lewinsohn, T.M., Leponce, M. 2015. Arthropod distribution in a tropical rainforest: tackling a four dimensional puzzle. *PLoS ONE* 10(12): e0144110. doi:10.1371/journal.pone.0144110
150. Ashton, L.A., Nakamura, A., **Basset, Y.**, Burwell, C.J., Cao, M., Eastwood, R., Odell, E., de Oliveira, E.G., Hurley, K., Katabuchi, M., Mausell, S. McBroom, J., Schmidl, J., Sun, Z.H., Tang, Y., Whitaker, T., Laidlaw, M.J., McDonald, W.J.F. & Kitching, R.L. 2015. Vertical stratification of moths across elevation and latitude. *Journal of Biogeography*, doi:10.1111/jbi.12616.
149. **Basset, Y.**, Barrios, H., Segar, S., Srygley, R.B., Aiello, A., Warren, A.D., Delgado, F., Coronado, J., Lezcano, J., Arizala, S., Rivera, M., Perez, F., Bobadilla, R., Lopez, Y. & Ramirez, J.A. 2015. The butterflies of Barro Colorado Island, Panama: local extinction since the 1930s. *PLoS ONE*, 10, e0136623. doi:10.1371/journal.pone.0136623.
148. Nakamura, A., **Basset, Y.**, Burwell, C., Hughes, A. C., Yang, X., Ashton, L., Kitching, R. and Cao, M. 2015. Plotting the future: long-term biodiversity monitoring in Southeast Asia. *Cambodian Journal of Natural History* 2015: 52.
147. Sakchoowong, W., Hasin, S., Pachey, N., Amornsak, W., Ponpinij, P., Bunyavejchewin, S., Kongnoo, P. & **Basset, Y.** 2015. Influence of leaf litter composition on ant assemblages in a lowland tropical rainforest in Thailand. *Asian Myrmecology*, 7, 57-71.
146. **Basset, Y.** 2015. Long-term monitoring of tropical arthropods and DNA barcoding (abstract). *Genome*,

145. Fayle, T.M., Turner, E.C., **Basset, Y.**, Ewers, R.M., Reynolds, G. & Novotny, V. 2015. Whole-ecosystem experimental manipulations of tropical forests. *Trends in Ecology and Evolution*, 30, 334-346.
144. Forister, M.L., Novotny, V., Panorska, A.K., Baje, L., **Basset, Y.**, Butterill, P.T., Cizek, L., Coley, P.D., Dem, F., Diniz, I.R., Drozd, P., Fox, M., Glassmire, A., Hazen, R., Hreck, J., Jahner, J.P., Kaman, O., Kozubowski, T.J., Kursar, T.A., Lewis, O.T., Lill, J., Marquis, R.J., Miller, S.E., Morais, H.C., Murakami, M., Nickel, H., Pardikes, N., Ricklefs, R.E., Singer, M.S., Smilanich, A.M., Stireman, J.O., Villamarín-Cortez, S., Vodka, S., Volf, M., Wagner, D.L., Walla, T., Weiblen, G.D. & Dyer, L.A. 2015. The global distribution of diet breadth in insect herbivores. *PNAS*, 112, 442-447.
143. Leather, S.R., **Basset, Y.**, Didham, R.K. 2015. Expanding horizons and widening participation in Insect Conservation and Diversity. *Insect Conservation and Diversity*, 8, 1-2.
142. Anderson-Teixeira K.J., Davies S.J., Bennett A.C., Gonzalez-Akre E.B., Muller-Landau H.C., Wright S.J., Abu Salim K., Almeyda Zambrano A.M., Alonso A., Baltzer J.L., Basset Y., Bourg N.A., Broadbent E.N., Brockelman W.Y., Bunyavejchewin S., Burslem D.F.R.P., Butt N., Cao M., Cardenas D., Chuyong G.B., Clay K., Cordell S., Dattaraja H.S., Deng X., Detto M., Du X., Duque A., Erikson D.L., Ewango C.E.N., Fischer G.A., Fletcher C., Foster R.B., Giardina C.P., Gilbert G.S., Gunatilleke N., Gunatilleke S., Hao Z., Hargrove W.W., Hart T.B., Hau B.C.H., He F., Hoffman F.M., Howe R.W., Hubbell S.P., Inman-Narahari F.M., Jansen P.A., Jiang M., Johnson D.J., Kanzaki M., Kassim A.R., Kenfack D., Kibet S., Kinnaird M.F., Korte L., Kral K., Kumar J., Larson A.J., Li Y., Li X., Liu S., Lum S.K.Y., Lutz J.A., Ma K., Maddalena D.M., Makana J.-R., Malhi Y., Marthens T., Mat Serudin R., McMahon S.M., McShea W.J., Memiaghe H.R., Mi X., Mizuno T., Morecroft M., Myers J.A., Novotny V., de Oliveira A.A., Ong P.S., Orwig D.A., Ostertag R., den Ouden J., Parker G.G., Phillips R.P., Sack L., Sainge M.N., Sang W., Sri-ngernyuang K., Sukumar R., Sun I-F., Sungpalee W., Suresh H.S., Tan S., Thomas S.C., Thomas D.W., Thompson J., Turner B.L., Uriarte M., Valencia R., Vallejo M.I., Vicentini A., Vrška T., Wang X., Wang X., Weiblen G., Wolf A., Xu H., Yap S. and Zimmerman, J. 2015. CTFS-ForestGEO: a worldwide network monitoring forests in an era of global change. *Global Change Biology*, 21, 528-549.
141. Leather, S.R., **Basset, Y.**, Didham, R.K. 2014. How to avoid the top ten pitfalls in insect conservation and diversity research and minimise your chances of manuscript rejection. *Insect Conservation and Diversity*, 7, 1-3.
140. Ribeiro, S.P., **Basset, Y.**, Kitching, R.L. 2014. Density of insect galls in the forest understorey and canopy: Neotropical, Gondwanan or global patterns? In *Neotropical Insects Galls* (eds G.W. Fernandes & J.C. Santos), pp.129-141. Springer, Berlin.
139. Merckx, T., Huertas, B., **Basset, Y.** & Thomas, J. 2013. A global perspective on conserving butterflies and moths and their habitats. In *Key Topics in Conservation Biology 2* (eds D.W. MacDonald & K. Willis), pp. 239-257. Wiley Publications.
138. **Basset, Y.**, Eastwood, R., Sam, L., Lohman, D.J., Novotny, V., Treuer, T., Miller, S.E., Weiblen, G.D., Pierce, N.E., Bunyavejchewin, S., Sakchoowong, W., Kongnoo, P. & Osorio-Arenas, M.A. 2013. Cross-continental comparisons of butterfly assemblages in rainforests: implications for biological monitoring. *Insect Conservation and Diversity*, 6, 223-233.
137. Didham, R.K., Edwards, O.R., Leather, S.R. & **Basset, Y.** 2013. Arthropod diversity and the future of all-taxa inventories. *Insect Conservation and Diversity*, 6, 1-4.
136. Hamilton, A.J., Novotny, V., Waters, E.K., **Basset, Y.**, Benke, K.K., Grimbacher, P.S., Miller, S.E., Samuelson, G.A., Weiblen, G.D., Yen, J.D.L. & Stork, N.E 2013. Estimating global arthropod species richness: refining probabilistic models using probability bound analysis. *Oecologia*, 171, 357-365.
135. **Basset, Y.**, Cizek, L., Cuénoud, P., Didham, R.K., Guilhaumon, F., Missa, O., Novotny, V., Ødegaard, F., Roslin, T., Schmidl, J., Tishechkin, A.K., Winchester, N.N., Roubik, D.W., Aberlenc, H.-P., Bail, J., Barrios, H., Bridle, J.R., Castaño-Meneses, G., Corbara, B., Curletti, G., Duarte da Rocha, W., De Bakker, D., Delabie, J.H.C., Dejean, A., Fagan, L.L., Floren, A., Kitching, R.L., Medianero, E., Miller, S.E., de Oliveira, E.G., Orivel, J., Pollet, M., Rapp, M., Ribeiro, S.P., Roisin, Y., Schmidt, J.B., Sørensen, L., & Leponce, M. 2012. Arthropod diversity in a tropical forest. *Science*, 338, 1481-1484. [This article made the cover of Science on the 14 December 2012]



134. Novotny, V., Weiblen, G.D., Miller, S.E. & **Basset, Y.** 2012. The role of paraecologists in 21st century tropical forest research. In *Methods in Forest Canopy Research* (eds M.D. Lowman, T. Schowalter & J. Franklin), pp. 154-157. University of California Press, Berkeley.
133. Laponce, M., Corbara, B. & **Basset, Y.** 2012. IBISCA – a collaborative programme to study the diversity and distribution of forest arthropods. In *Methods in Forest Canopy Research* (eds M.D. Lowman, T. Schowalter & J. Franklin), pp. 34-39. University of California Press, Berkeley.
132. Novotny, V., Miller, S.E., Hreck, J., Baje, L., **Basset, Y.**, Lewis, O.T., Stewart, A.J.A. & Weiblen, G.D. 2012. Insects on Plants: explaining the paradox of low diversity within specialist herbivore guilds. *The American Naturalist*, **179**, 351-362.
131. Hamilton, A.J., **Basset, Y.**, Benke, K.K., Grimbacher, P.S., Miller, S.E., Novotný, V., Samuelson, G.A., Stork, N.E., Weiblen, G.D. & Yen, J.D.L. 2011. Correction. *The American Naturalist*, **177**, 544-545.
130. **Basset, Y.**, Eastwood, R., Sam, L., Lohman, D.J., Novotny, V., Treuer, T., Miller, S.E., Weiblen, G.D., Pierce, N.E., Bunyavejchewin, S., Sakchoowong, W., Kongnoo, P. & Osorio-Arenas, M.A. 2011. Comparison of rainforest butterfly assemblages across three biogeographical regions using standardized protocols. *Journal of Research on the Lepidoptera*, **44**, 17-28.
129. Leather, S.R., Didham, R.K. & **Basset, Y.** 2011. Insect Conservation and Diversity – making an impact. *Insect Conservation and Diversity*, **4**, 1.
128. Laponce, M. & **Basset, Y.** 2010. Mégadiversité des arthropodes des canopées. *Biofutur* **315**, 30-33.
127. Laponce, M., Meyer, C., Häuser, C., Bouchet, P., Delabie, J., Weigt, L. & **Basset, Y.** 2010. Challenges and solutions for planning and implementing large-scale biotic inventories. In: Eymann, J., Degreef, Häuser, C., Monje, J.C., Samyn, Y. & VandenSpiegel, D. (eds), *Manual on field recording techniques and protocols for All Taxa Biodiversity Inventories and Monitoring*. *Abc Taxa*, **8 (1)**, 18-48. Available on-line at <http://www.abctaxa.be/volumes/volume-8-manual-atbi>.
126. Novotny, V., Miller, S.E., Baje, L., Balagawi, S., **Basset, Y.**, Cizek, L., Craft, K.J., Dem F., Drew, R.A.I., Hulcr, J., Leps, J., Lewis, O.T., Pokon, R., Stewart, A.J.A. & Weiblen, G.D. 2010. Guild-specific patterns of species richness and host specialization in plant-herbivore food webs from a tropical forest. *Journal of Animal Ecology*, **79**, 1193-1203.
125. Hamilton, A.J., **Basset, Y.**, Benke, K.K., Grimbacher, P.S., Miller, S.E., Novotny, V., Samuelson, G.A., Stork, N.E., Weiblen, G.D. & Yen, G.D.L. 2010. Quantifying uncertainty in estimation of tropical arthropod species richness. *The American Naturalist*, **176**, 90-95.
124. Gnezdilov, V.M, Bonfils, J., Aberlenc, H.-P. & **Basset, Y.** 2010 Review of the Neotropical genus *Oronoqua* Fennah, 1947 (Insecta, Hemiptera, Issidae, Issinae). *Zoosystema*, **32**, 247-257.
123. Didham, R.K., **Basset, Y.** & Leather, S.R. 2010. Research needs in insect conservation and diversity. *Insect Conservation and Diversity*, **3**, 1-4.
122. **Basset, Y.**, Hawkins, B.A. & Leather, S.R. 2009. Visions for Insect Conservation and Diversity: Spanning the gap between practice and theory. *Insect Conservation and Diversity*, **2**, 1-4.
121. Missa, O., Basset, Y, Alonso A., Miller, S.E., Curletti, G., De Meyer, M., Eardley, C., Mansell, M.W. & Wagner, T. 2009. Monitoring arthropods in a tropical landscape: relative effects of sampling methods and habitat types on trap catches. *Journal of Insect Conservation*, **13**, 103-118.
120. **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. Changes in arthropod assemblages along a wide gradient of disturbance in Gabon. *Conservation Biology*, **22**, 1552-1563.

119. **Basset, Y.** 2008. Ecologia globale: interazioni insetto/pianta nelle foreste pluviali tropicali, 42-46. In: Curletti, G. & Giacobino, E. (eds) *Insecta, scienza e arte tra forme e colori*. Cataloghi del Museo Regionale di Scienze Naturali di Torino, pp. 42-46. Eventi & Progetti, Torino. [Global ecology: insect-plant interactions in tropical rainforests. Translated from English to Italian by A. Grassini].
118. **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*, **16**, 47-59.
117. **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. Choice of metrics for studying arthropod responses to habitat disturbance: one example from Gabon. *Insect Conservation and Diversity*, **1**, 55-66.
116. Leather, S.R., **Basset, Y.** & Hawkins, B.A. 2008. Insect conservation: finding the way forward. *Insect Conservation and Diversity*, **1**, 67-69.
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.
114. **Basset, Y.**, Corbara, B., Barrios, H., Cuénoud, P., Leponce, M., Aberlenc, H.-P., Bail, J., Bitto, D., Bridle, J.R., Castaño-Meneses, G., Cizek, L., Cornejo, A., Curletti, G., Delabie, J.H.C., Dejean, A., Didham, R.K., Dufrière, 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.
113. Ribeiro, S.P. & **Basset, Y.** 2007. Gall-forming and free-feeding herbivory along vertical gradients in a lowland tropical rainforest: the importance of leaf sclerophylly. *Ecography*, **30**, 663-672.
112. Novotny, V., Miller, S.E., Hulcr, J., Drew, R.A.I., **Basset, Y.**, Janda, M., Setliff, G.P., Darrow, K., Stewart, A.J.A., Auga, J., 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.
111. Medianero, E., Castaño-Meneses, G., Tishechkin, A., **Basset, Y.**, Barrios, H., Ødegaard, F., Cline, A.R. & Bail, J. 2007. Influence of local illumination and plant composition on the spatial and seasonal distribution of litter-dwelling arthropods in a tropical forest. *Pedobiologia*, **51**, 131-145.
110. Novotny, V., Drozd, P., Miller, S.E., Kulfan, M., Janda, M., **Basset, Y.** & Weiblen, G.D. 2007. Response to Comment on "Why are there so many species of herbivorous insects in tropical rainforests?" *Science*, **315**, 1666c.
109. Lewis, O.T. & **Basset, Y.** 2007. Insect Conservation in Tropical Forests. In: Stewart, A.J.A., New, T.R. & Lewis, O.T. (eds.) *Insect Conservation Biology*, pp. 34-56. The Royal Entomological Society and CABI, Wallingford.
108. Corbara, B., **Basset, Y.** & Barrios, H. 2006. IBISCA: a large-scale study of arthropod mega-diversity in a neotropical rainforest. In: *Tropical Biodiversity: Science, Data, Conservation*. Proceedings of the 3rd GBIF Science Symposium, Brussels, 18-19 April 2005 (eds H. Segers, P. Desmet & E. Baus), pp. 61-64. Belgian Biodiversity Platform, Brussels.
107. Castaño-Meneses, G., **Basset, Y.**, Winchester, N. & Barrios, H. 2006. Colémbolos (Hexapoda: Collembola) del dosel en la selva tropical de San Lorenzo, Provincia de Colón, Panamá. *Entomologia mexicana*, **5**, 486-490.
106. Novotny, V., Drozd, P., Miller, S.E., Kulfan, M., Janda, M., **Basset, Y.** & Weiblen, G.D. 2006. Why are there so many species of herbivorous insects in tropical rainforests? *Science*, **313**, 1115-1118.
105. Curletti, G., Aberlenc, H.-P. & **Basset, Y.** 2006. Progetto IBISCA in Panama: considerazioni sul genere *Agrilus* Curtis, 1825. *Rivista Piemontese di Storia Naturale*, **27**, 339-348.
104. Weiblen, G., Webb, C.O., Novotny, V., **Basset, Y.** & Miller, S.E. 2006. Phylogenetic dispersion of host use in a tropical insect herbivore community. *Ecology*, **87** Supplement, S62-S75.
103. **Basset, Y.** & Leponce, M. 2005. IBISCA: Towards a Census of Canopy Life. *What's Up? The Newsletter of the International Canopy Network*, **12(1)**: 1-2.
102. Corbara, B., **Basset, Y.** & Barrios, H. 2005. IBISCA: a large-scale study of arthropod mega-diversity in a neotropical rainforest. In: *Tropical Biodiversity: Science, Data, Conservation*. Abstract Volume. 3rd GBIF Science Symposium, 18-19 April 2005, Brussels, Belgium (ed by H. Segers), pp. 31-32. Belgian Clearing-House to the Convention on Biological Diversity, Royal Belgian Institute of Natural Sciences & Global

Biodiversity Information Facility, Brussels.

101. Lewinsohn, T.M., Novotny, V & **Basset, Y.** 2005. Insects on plants: diversity of herbivore assemblages revisited. *Annual Review of Ecology, Evolution and Systematics*, **36**, 597-620.
100. Novotny, V., Miller, S.E., **Basset, Y.**, Cizek, L., Darrow, K., Kaupa, B., Kua, J. & Weiblen, G.D. 2005. An altitudinal comparison of caterpillar (Lepidoptera) assemblages on *Ficus* trees in Papua New Guinea. *Journal of Biogeography*, **32**, 1303-1314.
099. Novotny, V. & **Basset, Y.** 2005. Host specificity of insect herbivores in tropical forests. *Proceedings of the Royal Society of London*, **272**, 1083-1090.
098. Charles, E. & **Basset, Y.** 2005. Stratification of leaf beetle assemblages (Coleoptera: Chrysomelidae) in two forest types in Panama. *Journal of Tropical Ecology*, **21**, 329-336.
097. **Basset, Y.**, Springate, N.D. & Charles, E. 2005. Folivorous insects in the rain forests of the Guianas. *Tropical Forests of the Guiana Shield. Ancient Forests in a Modern World* (ed D.S. Hammond), pp. 295-320. CABI Publishing, Wallingford.
096. **Basset, Y.** 2004. Moving the Parque Natural Metropolitan Canopy Crane in Panama: a survey targeting canopy biologists. *What's Up? The Newsletter of the International Canopy Network*, **11(1)**: 4.
095. Novotny, V., Miller, S.E., Leps, J., Bito, D., Janda, M., Hulcr, J., **Basset Y.**, Damas, K. & Weiblen, G.D. 2004. No tree is an island : a plant-caterpillar food web in the New Guinea rainforest. *Ecology Letters*, **7**, 1090-1100.
094. Springate, N.D. & **Basset, Y.** 2004. IBISCA 2003-2005, Panama: progress report. *Bulletin of the British Ecological Society*, **35**, 21-23.
093. Novotny, V., **Basset, Y.**, Miller, S.E., Kitching, R., Laidlaw, M., Drozd, P. & Cizek, L. 2004. Local species richness of leaf-chewing insects feeding on woody plants from one hectare of a lowland rainforest? *Conservation Biology*, **18**, 227-237.
092. **Basset, Y.**, Novotny, V., Miller, S.E., Weiblen, G.D. & Missa, O. 2004. Conservation and biological monitoring of tropical forests: the role of parataxonomists. *Journal of Applied Ecology*, **41**, 163-174.
091. **Basset, Y.**, Mavoungou, J.F., Mikissa, J. B., Missa, O., Miller, S.E., Kitching, R.L. & Alonso, A. 2004. Discriminatory power of different arthropod data sets for the biological monitoring of anthropogenic disturbance in tropical forests. *Biodiversity and Conservation*, **13**, 709-732.
090. **Basset, Y.**, Wright, S.J. & Stork, N.E. 2003. Conclusion: the future of the International Canopy Crane Network. In: **Y. Basset, Y.** Horlyck, V. & S.J. Wright (eds) *Studying Forest Canopies from Above: The International Canopy Crane Network*, pp. 175-182. Smithsonian Tropical Research Institute and UNEP, Panama City.
089. **Basset, Y.**, Kitajima, K. & Wright, S.J. 2003. The International Canopy Crane Network: key findings in canopy science. In: **Y. Basset, Y.** Horlyck, V. & S.J. Wright (eds) *Studying Forest Canopies from Above: The International Canopy Crane Network*, pp. 159-174. Smithsonian Tropical Research Institute and UNEP, Panama City.
088. Wright, S.J., Horlyck, V., **Basset, Y.**, et al. 2003. Tropical Canopy Biology Program, Republic of Panama. In: **Y. Basset, Y.** Horlyck, V. & S.J. Wright (eds) *Studying Forest Canopies from Above: The International Canopy Crane Network*, pp. 138-158. Smithsonian Tropical Research Institute and UNEP, Panama City.
087. **Basset, Y.**, Horlyck, V., Wright, S.J. & Stork, N.E. 2003. The International Canopy Crane Network - Preamble. In: **Y. Basset, Y.** Horlyck, V. & S.J. Wright (eds) *Studying Forest Canopies from Above: The International Canopy Crane Network*, pp. 63-66. Smithsonian Tropical Research Institute and UNEP, Panama City.
086. **Basset, Y.**, Horlyck, V. & Wright, S.J. 2003. The study of forest canopies: policy and science. In: **Y. Basset, Y.** Horlyck, V. & S.J. Wright (eds) *Studying Forest Canopies from Above: The International Canopy Crane Network*, pp. 57-62. Smithsonian Tropical Research Institute and UNEP, Panama City.
085. **Basset, Y.**, Horlyck, V. & Wright, S.J. 2003. The conservation of forest canopies: policy and science. In: **Y. Basset, Y.** Horlyck, V. & S.J. Wright (eds) *Studying Forest Canopies from Above: The International Canopy Crane Network*, pp. 37-56. Smithsonian Tropical Research Institute and UNEP, Panama City.
084. **Basset, Y.**, Horlyck, V. & Wright, S.J. 2003. Forest canopies and their importance. In: **Y. Basset, Y.** Horlyck, V. & S.J. Wright (eds) *Studying Forest Canopies from Above: The International Canopy Crane Network*, pp. 27-36. Smithsonian Tropical Research Institute and UNEP, Panama City.
083. Novotny, V., Miller, S.E., Cizek, L., Leps, J., Janda, M., **Basset, Y.**, Weiblen, G.D. & Darrow, K. 2003. Colonizing aliens: caterpillars (Lepidoptera) feeding on *Piper aduncum* and *P. umbellatum* in rainforests of Papua New Guinea. *Ecological Entomology*, **28**, 704-716.
082. Miller, S.E., Novotny, V. & **Basset, Y.** 2003. Studies on New Guinea moths. 1. Introduction (Lepidoptera).

- Proceedings of the Entomological Society of Washington*, **105**, 1035-1043.
081. Novotny, V., **Basset, Y.** & Kitching, R.L. 2003. Herbivore communities and their food resources. In: Y. Basset, V. Novotny, S.E. Miller & R.L. Kitching (eds) *Arthropods of Tropical Forests. Spatio-temporal Dynamics and Resource Use in the Canopy*, pp. 40-53. Cambridge University Press, Cambridge.
080. **Basset, Y.**, Novotny, V., Miller, S.E. & Kitching, R.L. 2003. Conclusion: arthropods, forest types and interpretable patterns. In: Y. Basset, V. Novotny, S.E. Miller & R.L. Kitching (eds) *Arthropods of Tropical Forests. Spatio-temporal Dynamics and Resource Use in the Canopy*, pp. 394-406. Cambridge University Press, Cambridge.
079. **Basset, Y.**, Novotny, V., Miller, S.E. & Kitching, R.L. 2003. Methodological advances and limitations in canopy entomology. In: Y. Basset, V. Novotny, S.E. Miller & R.L. Kitching (eds) *Arthropods of Tropical Forests. Spatio-temporal Dynamics and Resource Use in the Canopy*, pp. 7-16. Cambridge University Press, Cambridge.
078. **Basset, Y.**, Novotny, V., Miller, S.E. & Kitching, R.L. 2003. Canopy entomology, an expanding field of natural sciences. In: Y. Basset, V. Novotny, S.E. Miller & R.L. Kitching (eds) *Arthropods of Tropical Forests. Spatio-temporal Dynamics and Resource Use in the Canopy*, pp. 4-6. Cambridge University Press, Cambridge.
077. **Basset, Y.**, Hammond, P.M., Barrios, H., Holloway, J.D. & Miller, S.E. 2003. Vertical stratification of arthropod assemblages. In: Y. Basset, V. Novotny, S.E. Miller & R.L. Kitching (eds) *Arthropods of Tropical Forests. Spatio-temporal Dynamics and Resource Use in the Canopy*, pp. 17-27. Cambridge University Press, Cambridge.
076. **Basset, Y.**, Aberlenc, H.-P., Barrios, H. & Curletti, G. 2003. Diel activity of arthropods. In: Y. Basset, V. Novotny, S.E. Miller & R.L. Kitching (eds) *Arthropods of Tropical Forests. Spatio-temporal Dynamics and Resource Use in the Canopy*, pp. 304-314. Cambridge University Press, Cambridge.
075. Novotny, V., Miller, S.E., **Basset, Y.**, Cizek, L., Drozd, P., Darrow, K. & Leps, J. 2002. Predictably simple: communities of caterpillars (Lepidoptera) feeding on rainforest trees in Papua New Guinea. *Proceedings of the Royal Society of London*, **269**, 2337-2344.
074. Kitching, R., **Basset, Y.**, Ozanne, C. & Winchester, N. 2002. Canopy knockdown techniques for sampling canopy arthropod fauna. In: A.W. Mitchell, K. Secoy & T. Jackson (eds) *The Global Canopy Handbook. Techniques of Access and Study in the Forest Roof*. Global Canopy Programme, Oxford, 134-139.
073. **Basset, Y.** 2002. Training parataxonomists to survey tropical forest canopies. In: A.W. Mitchell, K. Secoy & T. Jackson (eds) *The Global Canopy Handbook. Techniques of Access and Study in the Forest Roof*. Global Canopy Programme, Oxford, 215-218.
072. Novotny, V., **Basset, Y.**, Miller, S.E., Weiblen, G.D., Bremer, B., Cizek, L. & Drozd, P. 2002. Low host specificity of herbivorous insects in a tropical forest. *Nature* **416**, 841-844.
071. Novotny, V., **Basset, Y.**, Miller, S.E. Drozd, P., & Cizek, L. 2002. Host specialisation of leaf-chewing insects in a New Guinean rain forest. *Journal of Animal Ecology* **71**, 400-412.
070. Miller S.E., Novotny, V. & **Basset, Y.** 2002. Case studies of arthropod diversity and distribution. In: R.L. Chazdon & T.C. Whitmore (eds) *Foundations of Tropical Forest Biology: Classic Papers with Commentaries*. University of Chicago Press, Chicago, 407-413.
069. **Basset, Y.** 2001. Rain forests. In: R. Robinson (ed) *Plant Sciences*, Vol. 4. Macmillan Reference USA, New York, 4-12.
068. **Basset, Y.** 2001. Rain forest canopy. In: R. Robinson (ed) *Plant Sciences*, Vol. 4. Macmillan Reference USA, New York, 1-4.
067. **Basset, Y.**, Charles, E., Hammond, D.S. & Brown, V.K. 2001. Short-term effects of canopy openness on insect herbivores in a rain forest in Guyana. *Journal of Applied Ecology* **38**, 1045-1058.
066. **Basset, Y.** 2001. Communities of insect herbivores foraging on mature trees vs. seedlings of *Pourouma bicolor* (Cecropiaceae) in Panama. *Oecologia* **129**, 253-260.
065. 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. 2001. Stratification and diel activity of arthropods in a lowland rain forest in Gabon. *Biological Journal of the Linnean Society* **72**, 585-607.
064. Lepš, J. Novotny, V. & **Basset, Y.** 2001. Habitat and successional status of plants in relation to the communities of their leaf-chewing herbivores in Papua New Guinea. *Journal of Ecology* **89**, 186-199.
063. Basset Y. 2001. Invertebrates in the canopy of tropical rain forests: how much do we really know? *Plant Ecology* **153**, 87-107.
062. Curletti G., Aberlenc H.-P., Barrios H., Basset Y., Béranger J.-M., Vesco J.-P., Causse P., Haug A., Hennion A.-S., Lesobre L., Marques F. & O'Meara R. 2000. Considérations sur les *Agrilus* (Coleoptera,

- Buprestidae) recueillis en Forêt des Abeilles au Gabon au cours de l'expédition du Radeau des Cimes en 1999. 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, 40-48.
- 061.** 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.
- 060.** 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.
- 059.** 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.
- 058.** Novotny, V. & Basset, Y. 2000. Rare species in communities of tropical insect herbivores: pondering the mystery of singletons. *Oikos* **89**, 564-572.
- 057.** 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.
- 056.** 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.
- 055.** 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.
- 054.** 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.
- 053.** 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.
- 052.** 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.
- 051.** 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.
- 050.** 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 I* (ed. M. Cox), pp. 343-360. Backhuys Publishers, Leyden.
- 049.** Basset, Y. 1999. Diversity and abundance of insect herbivores foraging on seedlings in a rain forest in Guyana. *Ecological Entomology* **24**, 245-259.
- 048.** Basset, Y. & Charles, E. 1998. Insect fauna differences between mature rain forest trees and their seedlings: an example from Guyana. Abstract. *Selbyana* **19**, 268.
- 047.** 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.
- 046.** 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.
- 045.** 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.
- 044.** 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.
- 043.** 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.
- 042.** 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.

- 041. 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.
- 040. 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.
- 039. 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.
- 038. 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.
- 037. 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.
- 036. 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.
- 035. Basset, Y.** 1996. Local communities of arboreal herbivores in Papua New Guinea: predictors of insect variables. *Ecology* **77**, 1906-1919.
- 034. 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.
- 033. Springate, N.D. & Basset, Y.** 1996. Diel activity of arboreal arthropods associated with Papua New Guinean trees. *Journal of Natural History* **30**, 101-112.
- 032. Basset, Y.** 1995. Arthropod predator-prey ratios on vegetation at Wau, Papua New Guinea. *Science in New Guinea* **21**, 103-112.
- 031. 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.
- 030. 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.
- 029. 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.
- 028. Basset, Y.** 1994. Palatability of tree foliage to chewing insects: a comparison between a temperate and a tropical site. *Acta Oecologica* **15**, 181-191.
- 027. 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.
- 026. 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.
- 025. 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.
- 024. 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.
- 023. Basset, Y. & Springate, N.D.** 1992. Diel activity of arboreal arthropods associated with a rainforest tree. *Journal of Natural History* **26**, 947-952.
- 022. Basset, Y., Favaro A., Springate, N.D. & Battisti, A.** 1992. Observations on the relative effectiveness of *Scolytus mutistriatus* (Marsham) and *Scolytus pygmaeus* (Fabricius) as vectors of the Dutch elm disease. *Mitteilungen der Schweizerischen Entomologischen Gesellschaft* **65**, 61-67.
- 021. 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.
- 020. 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.
- 019. 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 dune canopée de forêt équatoriale - II. Rapport de Mission: Radeau des cimes octobre novembre 1991, Réserve de Campo, Cameroun*. Fondation Elf, Paris, pp. 45-52.
- 018. 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.
017. **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.
016. **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.
015. **Basset, Y.** 1992. Host specificity of arboreal and free-living insect herbivores in rain forests. *Biological Journal of the Linnean Society* **47**, 115-133.
014. **Basset, Y.** 1992. Influence of leaf traits on the spatial distribution of arboreal arthropods within an overstorey rainforest tree. *Ecological Entomology* **17**, 8-16.
013. **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.
012. **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.
011. **Basset, Y.** 1991. The spatial distribution of herbivory, galls and mines within an Australian rainforest tree. *Biotropica* **23**: 271-281.
010. **Basset, Y.** 1991. Influence of leaf traits on the spatial distribution of insect herbivores associated with an overstorey rainforest tree. *Oecologia* **87**, 388-393.
009. **Basset, Y.** 1991. The seasonality of arboreal arthropods foraging within an Australian rainforest tree. *Ecological Entomology* **16**, 265-278.
008. **Basset, Y.** 1991. The taxonomic composition of the arthropod fauna associated with an Australian rainforest tree. *Australian Journal of Zoology* **39**, 171-190.
007. **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.
006. **Basset, Y.** 1988. A composite interception trap for sampling arthropods in tree canopies. *Journal of the Australian entomological Society* **27**, 213-219.
005. **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.
004. **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.
003. **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.
002. **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.
001. **Basset, Y.** 1985. Comparaison de quelques méthodes de piégeage de la faune dendrobie. *Bulletin Romand d'Entomologie* **3**, 1-14.

#### 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

- 2020: Sociedad Mesoamericana para la Biología y Conservación. Congreso Virtual SMBC 2020. 30 October 2020. "Hacia el monitoreo a largo plazo de los artrópodos del suelo en los trópicos: un enfoque con el DNA metabarcoding".
- 2015: Global Biodiversity Monitoring; A FuturEarth Symposium, Yale University, New Haven, USA, 4-6 May 2015: "CTFS-ForestGEO Arthropod Initiative 2008-2015: How to monitor insects in tropical rainforests".
- 2014: 107<sup>th</sup> Annual Meeting of the German Zoological Society, Sept. 11-14, Goettingen, Germany: "Arthropod distribution in a tropical rainforest: solving a puzzle in four dimensions?".
- Global Species Estimates Workshop, Griffith University, Brisbane, Australia, 27-29 July 2014. 51<sup>th</sup> Annual Meeting, Association for Tropical Biology and Conservation, Cairns, Australia, 20-24 July 2014: "Arthropod distribution in a tropical rainforest: solving a puzzle in four

- dimensions?”.
- 2013: XXVI Congreso Nacional, Universidad de Panamá, 22 October 2013. “La Iniciativa de artrópodos CTFS-SIGEO: el seguimiento de insectos en la isla Barro Colorado, 2009-2013”. Museum of Natural History, Geneva, Switzerland, 18 September 2013. “The SIGEO-CTFS Arthropod Initiative, 2008-2012”.
- Institute of Organic Chemistry and Biochemistry, Czech Academy of Sciences, Prague, 25 July 2013: “The SIGEO-CTFS Arthropod Initiative, 2008-2012”.
- 2012: Primero Encuentro de Entomólogos de Panamá, University of Panama, 4 December 2012. “La iniciativa de artrópodos CTFS-SIGEO”.
- Association for Tropical Biology & Conservation, Asia-Pacific Chapter, Annual Meeting 24-27 March 2012. “The SIGEO-CTFS Arthropod Initiative”. Xishuangbanna Tropical Botanical Garden, Menglun, China.
- 2011: International Symposium in Modelling of Terrestrial Systems and Evolution – building interdisciplinary networks. “Estimating the total arthropod species richness in one tropical rainforest”. Ouro Preto, Brazil, 10-13 May 2011.
- 2010: Workshop Internazionale: Biodiversità Sostenibilità e Solidarietà: “The high frontier: rainforest canopy biodiversity”. Padova, Italy, 10-11 November 2010.
- 2009: SIGEO/CTFS Workshop, Long-term ecological monitoring plots as sentinel sites for emerging infectious disease. Panama, 20-21 April 2009.
- 2008: XXIV Congreso Científico Nacional, Universidad de Panamá, Panamá: ‘The CTFS Arthropod Initiative’. Panamá, 30 October 2008.
- 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 Panamá, Autoridad Nacional del Ambiente, Panama City, 23 July 2002.
- 19º 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".
- 1992: 43rd annual meeting of the American Institute of Biological Sciences, Honolulu, USA. Symposium organised by the Association for Tropical Biology. "Patterns in the organisation of the arthropod community associated with an Australian rainforest tree: how distinct from elsewhere?".
- 1990: International Symposium on Agroecology and Conservation Issues in Temperate and Tropical Regions, University of Padova, Italy. "Species number, species abundance and body length of arboreal arthropods associated with an Australian rainforest tree".
- 1987: Annual meeting of the Australian and New Zealand Association for the Advancement of Science, James Cook University, Townsville. "Sampling canopy arthropods in rain forests: the use of simple interception traps for studying the arboreal fauna of *Argyrodendron actinophyllum* Edlin (Sterculiaceae)".

#### INSECT SPECIES DEDICATED

- Agrilus basseti* Curletti 2000 (Coleoptera: Buprestidae) [Gabon]  
*Agrilus bassetianus* Curletti 2003 (Coleoptera: Buprestidae) [Gabon]  
*Agrilus yvesi* Curletti 2005 (Coleoptera: Buprestidae) [Panama]  
*Amblypsilopus basseti* Bickel 1994 (Diptera: Dolichopodidae) [Australia]  
*Americanura basseti* Palacios-Vargas, Benito & Nucamendi 2009 (Collembola: Neanuridae) [Panama]  
*Ancistria basseti* Burckhardt & Slipinski 1995 (Coleoptera: Passandridae) [Papua New Guinea]  
*Dasmeusa basseti* Cavichioli & Chiamolera 1999 (Homoptera: Cicadellidae) [Guyana]  
*Franklinothrips basseti* Mound & Marullo 1998 (Thysanoptera: Aeolothripidae) [Australia]  
*Megaselia basseti* Disney, 2011 (Diptera, Phoridae) [Switzerland]  
*Myiomma basseti* Namyatova & Cassis 2016 (Hemiptera: Miridae) [Australia]  
*Peritropis basseti* Moulds & Casson 2006 (Hemiptera: Miridae) [Australia]  
*Tapas basseti* Besuchet 2008 (Coleoptera : Staphylinidae : Pselaphinae) [Australia]  
*Vorapourouma basseti* Solis & Neunzig 2017 (Lepidoptera: Pyralidae) [Panama]

#### ARTICLES IN POPULAR PRESS

- Basset, Y.** & Springate, N.D. Les insectes ont besoin des arbres dont on besoin les hommes. *Le Nouveau Quotidien*, 18 février 1993 [Swiss newspaper].
- Basset, Y.** Discovering Guyana's biodiversity the parataxonomist way - In search of beetles and bugs. *Guyana Chronicle*, September 1, 1996 [Guyanese newspaper].

- Basset, Y.** From different worlds... A Guyanese parataxonomist in Papua New Guinea. *Guyana Chronicle*, July 19, 1998 [Guyanese Newspaper].
- Novotny, V. & **Basset, Y.** From different worlds... Mangi binatang work together in Madang. *The Independent*, July 10th, 1998 [Papua New Guinean newspaper].

#### **BIBLIOMETRICS (October 2020)**

ORCID number: 0000-0002-1942-5717

ISI WEB OF KNOWLEDGE: 6,152 citations, h-index = 40. <http://www.researcherid.com/rid/B-6642-2014>

GOOGLE SCHOLAR: 11,448 citations, h-index =56.

[http://scholar.google.com/citations?user=1m\\_t6eYAAAAJ&hl=en](http://scholar.google.com/citations?user=1m_t6eYAAAAJ&hl=en)

RESEARCH GATE: 9,392 citations, h-index = 51. [https://www.researchgate.net/profile/Yves\\_Basset](https://www.researchgate.net/profile/Yves_Basset)

#### **REFEREES**

- |                         |   |
|-------------------------|---|
| Dr Allen Allison        | Dept of Natural Sciences, Bishop Museum, PO Box 19000, Honolulu, Hawaii 96817-0916, USA. Ph +1 808 847-3511, Fax +1 808 841-8968. E-mail <a href="mailto:allison@hawaii.edu">allison@hawaii.edu</a>   |
| Prof. Roger L. Kitching | Faculty of Environmental Sciences, Griffith University, Nathan, Brisbane QLD 4111, Australia. Ph +61 07 875 7519/20, Fax +61 07 875 5014. E-mail <a href="mailto:r.kitching@griffith.edu.au">r.kitching@griffith.edu.au</a>                         |
| Dr Scott E. Miller      | Senior Program Officer, Office of the Under Secretary for Science, Smithsonian Institution, MRC 009 PO Box 37012, Washington DC 20013-7012, USA. Ph +1 202 633 5135, Fax +1 202 633 8942. E-mail <a href="mailto:millers@si.edu">millers@si.edu</a> |
| Dr S. Joseph Wright     | Smithsonian Tropical Research Institute, Apartado 0843-03092, Balboa, Ancon, Panama City, Republic of Panama. Fax +507 212 8148. E-mail <a href="mailto:wrightj@si.edu">wrightj@si.edu</a>  |

