REFERENCES FOR FOOD WEBS

**Individual Food Webs**

Basset, Y., Samuelson, G. A., and 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.

Blüthgen, N., Menzel, F., and Blüthgen, N. (2006). Measuring specialization in species interaction networks. BMC Ecology 6:9, <http://www.biomedcentral.com/1472-6785/6/9>

Coley, P. D., L. Bateman, M., and A. Kursar, T. (2006). The effects of plant quality on caterpillar growth and defense against natural enemies. Oikos 115:219-228.

Ibanez, S., Lavorel, S., Puijalon, S., and Moretti, M. (2013). Herbivory mediated by coupling between biomechanical traits of plants and grasshoppers. Functional Ecology 27:479-489.

Janzen, D. H., Doerner, S. T., and Conn, E. E. (1980). Seasonal constancy of intra-population variation of HCN content of Costa Rican *Acacia* *farnesiana* foliage. Phytochemistry 19:2022–2023.

Janzen, D. H., Walker, A. K., Whitfield, J. B., Delvare, G., and Gauld, I. D. (2003). Host-specificity and hyperparasitoids of three new Costa Rican species of *Microplitis* Foerster (Hymenoptera: Braconidae: Microgastrinae), parasitoids of sphingid caterpillars. Journal of Hymenoptera Research 12:42–76.

Joern, A. (1979). Feeding patterns in grasshoppers (Orthoptera: Acrididae): factors influencing diet specialization. Oecologia 38:325–347.

Leather, S. R. (1991). Feeding specialisation and host distribution of British and Finnish *Prunus* feeding macrolepidoptera. Oikos 60:40–48.

Lewis, O. T., Memmott, J., Lasalle, J., Lyal, C. H., Whitefoord, C., and Godfray, H. C. J. (2002). Structure of a diverse tropical forest insect–parasitoid community. Journal of Animal Ecology 71:855–873.

Loye, J., and Zuk, M. (1992). Ecology, Evolution and Behaviour in Avian–Parasite Interactions. Oxford University Press, Oxford, U.K.

Macfadyen, S., Gibson, R., Polaszek, A., Morris, R. J., Craze, P. G., Planqué, R., Symondson, W. O. C. and Memmott, J. (2009). Do differences in food web structure between organic and conventional farms affect the ecosystem service of pest control? Ecology letters 12:229-238.

Nakagawa, S., Poulin, R., Mengersen, K., Reinhold, K., Engqvist, L., Lagisz, M., and Senior, A. M. (2015). Meta‐analysis of variation: ecological and evolutionary applications and beyond. Methods in Ecology and Evolution 6:143-152.

Novotny, V., Miller, S. E., Basset, Y., Cizek, L., Darrow, K., Kaupa, B., Kua, J., and Weiblen, G. D. (2005). An altitudinal comparison of caterpillar (Lepidoptera) assemblages on *Ficus* trees in Papua New Guinea. Journal of Biogeography 32:1303–1314.

Novotny, V., Miller, S. E., Hrcek, J., Baje, L., Basset, Y., Lewis, O. T., Stewart, A. J. A., and Weiblen, G. D. (2012). Insects on plants: explaining the paradox of low diversity within specialist herbivore guilds. The American Naturalist 179:351–362.

Prado, P. I., & Lewinsohn, T. M. (2004). Compartments in insect–plant associations and their consequences for community structure. Journal of Animal Ecology 73:1168–1178.

Starý, P., & Havelka, J. (2008). Fauna and associations of aphid parasitoids in an up-dated farmland area (Czech Republic). Bulletin of Insectology 61:251-276.

Tavakilian, G., Berkov, A., Meurer-Grimes, B., and Mori, S. (1997). Neotropical tree species and their faunas of xylophagous longicorns (Coleoptera: Cerambycidae) in French Guiana. The Botanical Review 63:303–355.

Ueckert, D. N., Bodine, M. C., and Spears, B. M. (1976). Population density and biomass of the desert termite *Gnathamitermes* *tubiformans* (Isoptera: Termitidae) in a shortgrass prairie: relationship to temperature and moisture. Ecology 57:1273–1280.

**Summary Compilation**

Michalska-Smith, M. J., & Allesina, S. (2019). Telling ecological networks apart by their structure: A computational challenge. PLoS Computational Biology 15:e1007076.