

DAFTAR PUSTAKA

- Abram, N. K., E. Meijaard, J. A. Wells, M. Ancrenaz, A. S. Pellier, R. K. Runting, S. Gaveau, S. Wich, Nardiyono, A. Tjiu, A. Nurcahyo, & K. Mengersen. 2015. Mapping perceptions of species' threats and population trends to inform conservation efforts: The Bornean orangutan case study. *Diversity and Distributions*, 21(5). <https://doi.org/10.1111/ddi.12286>
- Allen, T., K. A. Murray, C. Zambrana-Torrel, S. S. Morse, C. Rondinini, M. Di Marco, N. Breit, K. J. Olival and P. Daszak. 2017. Global hotspots and correlates of emerging zoonotic diseases. *Nature communications*. 8: 1124.
- Ancrenaz, M., M. Gumal, A. J. Marshall, E. Meijaard, S. A. Wich, and S. J. Husson, 2016. *Pongo pygmaeus ssp. wurmbii*. The IUCN Red List of Threatened Species 2016: e.T39782A17990568. <https://dx.doi.org/10.2305/IUCN.UK.2016-1.RLTS.T39782A17990568.en> Downloaded on 09 April 2020.
- Ashbury, A. M., Posa, M. R. C., Dunkel, L. P., Spillmann, B., Atmoko, S. S. U., van Schaik, C. P., & van Noordwijk, M. A. (2015). Why do orangutans leave the trees? Terrestrial behavior among wild Bornean orangutans (*Pongo pygmaeus wurmbii*) at Tuanan, Central Kalimantan. *American Journal of Primatology*, 77(11), 1216–1229. <https://doi.org/10.1002/ajp.22460>
- Barda, B. D., L. Rinaldi, D. Ianniello, H. Zepherine, F. Salvo, T. Sadutshang, G. Cringoli, M. Clementi, & M. Albonico. 2013.. Mini-FLOTAC, an Innovative Direct Diagnostic Technique for Intestinal Parasitic Infections: Experience from the Field. *PLoS Neglected Tropical Diseases*, 7(8). <https://doi.org/10.1371/journal.pntd.0002344>
- Barda, B., P. Cajal, E. Villagran, R. Cimino, M. Juarez, A. Krolewiecki, L. Rinaldi, G. Cringoli, R. Burioni and M. Albonico. 2014. Mini-FLOTAC, Kato-Katz and McMaster: three methods, one goal; highlights from north Argentina. *Parasites & Vectors* 2014, 7:271 <http://www.parasitesandvectors.com/content/7/1/271>
- Barelli, C., V. Gonzalez-Astudillo, R. Mundry, F. Rovero, H.C Hauffe, & T. R. Gillespie. 2019. Altitude and human disturbance are associated with helminth diversity in an endangered primate, *Procolobus gordonorum*. *PLoS ONE*, 14(12), 1–18. <https://doi.org/10.1371/journal.pone.0225142>
- Basabose, A. K., & J. Yamagiwa. 2002. Factors affecting nesting site choice in chimpanzees at Tshibati, Kahuzi-Biega national park: Influence of sympatric gorillas. *International Journal of Primatology*, 23(2), 263–282. <https://doi.org/10.1023/A:1013879427335>
- Beatty, J.K., Akierman, S. V., Motta, J.P., Muise, S., Workentine, M.L., Harrison, J.J., Bhargava, A., *et al.* 2017, “*Giardia duodenalis* induces pathogenic dysbiosis of human intestinal microbiota biofilms”, *International Journal for Parasitology*, The Author(s), Vol. 47 No. 6, pp. 311–326, <https://doi.org/10.1016/j.ijpara.2016.11.010>
- Bittar, F., M. B. Keita, J. C. Lagier, M. Peeters, E. Delaporte & D. Raoult. 2014. Gorilla gorilla gut: A potential reservoir of pathogenic bacteria as revealed using culturomics and molecular tools. *Scientific Reports*, 4, 1–5. <https://doi.org/10.1038/srep07174>
- Breitwieser, F.P. and S.L., Salzberg. 2020. Pavian: Interactive analysis of

- metagenomics data for microbiome studies and pathogen identification. *Bioinformatics*, Vol. 36 No. 4, pp. 1303–1304, doi: <https://doi.org/10.1093/bioinformatics/btz715>
- Bui, T. P. N., H.A. Schols, M. Jonathan, A. J. M. Stams, W. M. de Vos & C. M. Plugge. 2019. Mutual Metabolic Interactions in Co-cultures of the Intestinal Anaerostipes rhamnosivorans With an Acetogen, Methanogen, or Pectin-Degrader Affecting Butyrate Production. *Frontiers in Microbiology*, 10(November), 1–12. <https://doi.org/10.3389/fmicb.2019.02449>
- Burt, W. H. 1943. Territoriality and Home Range Concepts as Applied to Mammals Author (s): William Henry Burt Published by : American Society of Mammalogists Stable URL : *Journal of Mammalogy*, 24(3), 346–352.
- Buttke, D.E., D. J. Decker, and M. A. Wild. 2015. The role of one health in wildlife conservation: A challenge and opportunity. *Journal of Wildlife Diseases*, Vol. 51 No. 1, pp. 1–8. <https://doi.org/10.7589/2014-01-004>
- Catalano, S., A. Symeou, K. J. Marsh, A. Borlase, E. Léger, C. B. Fall, M. Sène, N. D. Diouf, D. Ianniello, G. Cringoli, L. Rinaldi, K. Bâ and J. P. Webster. 2019. Mini-FLOTAC as an alternative, non-invasive diagnostic tool for Schistosoma mansoni and other trematode infections in wildlife reservoirs. *Parasites Vectors* (2019) 12:439 . <https://doi.org/10.1186/s13071-019-3613-6>
- Chen, M. X., S. Y. Wang, C. H. Kuo, & I. L. Tsai. 2019. Metabolome analysis for investigating host-gut microbiota interactions. *Journal of the Formosan Medical Association*, 118, S10–S22. <https://doi.org/10.1016/j.jfma.2018.09.007>
- Cheyne, S. M. 2008. Effects of meteorology, astronomical variables, location and human disturbance on the singing apes: *Hylobates albibarbis*. *Am J Primatol* 70, 386–392.
- Chhetri, S., A. H. Al Mamari, M. M. Al Awfi, N. H. N. Al Khaldi, N. M. Abed, N. Pandak, F. Khamis, Z. Balushi, R. M. K. Al Alalawi, S. Al Lawati, M. Ba’Omar, N. Shukaili, & S. Al-Abri. 2023. Enterobius vermicularis Related Acute Appendicitis: A Case Report and Review of the Literature. *Infectious Disease Reports*, 15(4), 417–424. <https://doi.org/10.3390/idr15040042>
- Chua, L., M. E. Harrison H. Fair, S. Milne, A. Palmer, J. Rubis, P. Thung, S. Wich, B. Büscher, S. M. Cheyne, R. K. Puri, V. Schreer, A. Stępień, & E. Meijaard. 2020. Conservation and the social sciences: Beyond critique and co-optation. A case study from orangutan conservation. *People and Nature*, 2(1), 42–60. <https://doi.org/10.1002/pan3.10072>
- Cook, G. C. (1994). Enterobius vermicularis infection. *Gut*, 35(9), 1159–1162. <https://doi.org/10.1136/gut.35.9.1159>
- Cooper N, J. M. Kamilar, C. L. Nunn. 2012. Host Longevity and Parasite Species Richness in Mammals. *PLoS ONE* 7(8): e42190. <https://doi.org/10.1371/journal.pone.0042190>
- Cotton, J.A., Amat, C.B. and Buret, A.G. 2015, “Disruptions of host immunity and inflammation by giardia duodenalis: Potential consequences for co-infections in the gastro-intestinal tract”, *Pathogens*, Vol. 4 No. 4, pp. 764–792, <https://doi.org/10.3390/pathogens4040764>
- Craft, M. E, E. Volz, C. Packer and L. A. Meyers. 2011. Disease transmission in territorial populations: the small-world network of Serengeti lions. *J. R. Soc. Interface* (2011) 8, 776–786 <https://doi.org/10.1098/rsif.2010.0511>

- Craft, M. E., E. Volz, C. Packer and L. A. Meyers. 2011. Disease transmission in territorial populations: the small-world network of Serengeti lions. *J. R. Soc. Interface* (2011) 8, 776–786 <https://doi.org/10.1098/rsif.2010.0511>
- Cringoli, G., Maurelli, M.P., Levecke, B., Bosco, A., Vercruysse, J., Utzinger, J. and Rinaldi, L. (2017), “The Mini-FLOTAC technique for the diagnosis of helminth and protozoan infections in humans and animals”, *Nature Protocols*, Vol. 12 No. 9, pp. 1723–1732. <https://doi.org/10.1038/nprot.2017.067>
- Cunningham, A.A., P. Daszak, and J. L. N. Wood. 2017. One health, emerging infectious diseases and wildlife: Two decades of progress?. *Philosophical Transactions of the Royal Society B: Biological Sciences*, Royal Society. <https://doi.org/10.1098/rstb.2016.0167>
- Daszak P., Andrew A. Cunningham and Alex D. Hyatt. 2004. Anthropogenic environmental change and the emergence of infectious diseases in wildlife. *Acta Tropica* 78; 103 – 116.
- Daszak P., Andrew, A. Cunningham and Alex D. Hyatt. 2000. Emerging Infectious Diseases of Wildlife—Threats to Biodiversity and Human Health, *Science* 287: 443 – 449.
- Davis, J.T., K. Mengersen, N. K. Abram, M. Ancrenaz, J. A. Wells, and E.Meijaard. 2013. It’s Not Just Conflict That Motivates Killing of Orangutans. *PLoS ONE*, Vol. 8 No. 10, <https://doi.org/10.1371/journal.pone.0075373>
- Davoust, B., A. Levasseur and O. Mediannikov. Studies of nonhuman primates: key sources of data on zoonoses and microbiota. *New Microbe and New Infect* 26: S104–S108.
- de Carvalho, G. L. X., L. E. Moreira, J. L. Pena, C. C. Marinho, M. T. Bahia, and G. L. L. Machado-Coelho. 2012. A comparative study of the TF-Test®, Kato-Katz, Hoffman-Pons-Janer, Willis and Baermann-Moraes coprologic methods for the detection of human parasitosis. *Mem Inst Oswaldo Cruz*. Vol. 107(1): 80-84.
- Dheilly, N. M., J. M. Martínez, K. Rosario, P. J. Brindley, R. N. Fichorova, J. Z., Kaye, K. D. Kohl, L. J. Knoll, J. Lukeš, S. L. Perkins, R. Poulin, L. Schriml, & L. R. Thompson. 2019. Parasite microbiome project: Grand challenges. *PLoS Pathogens*, 15(10). <https://doi.org/10.1371/journal.ppat.1008028>
- Dillon, W. W., & R. K. Meentemeyer. 2019. Direct and indirect effects of forest microclimate on pathogen spillover. *Ecology*, 100(5), 0–1. <https://doi.org/10.1002/ecy.2686>
- Djohan, T. S. 2014. *Petunjuk Praktikum Ekologi Lanjut* (Revisi Sep). Fakultas Biologi UGM (untuk Kalangan Sendiri).
- Edgar, R. C. (2013). UPARSE: Highly accurate OTU sequences from microbial amplicon reads. *Nature Methods*, 10(10), 996–998. <https://doi.org/10.1038/nmeth.2604>
- Erb, W. M., E J. Barrow, A. N. Hofner, S. S. Utami-Atmoko, and E. R. Vogel. 2018. Wildfire smoke impacts activity and energetics of wild Bornean orangutans. *Scientific Reports*, 8(1). <https://doi.org/10.1038/s41598-018-25847-1>
- Erb, W. M., E J. Barrow, A. N. Hofner, S. S. Utami-Atmoko, and E. R. Vogel. 2018. Wildfire smoke impacts activity and energetics of wild Bornean orangutans. *Scientific Reports*, 8(1). <https://doi.org/10.1038/s41598-018-25847-1>
- Fagan, W. F., R. S. Cantrell, & C. Cosner. 1999. How habitat edges change species interactions. *American Naturalist*, 153(2), 165–182. <https://doi.org/10.1086/303162>

- Fahrig, L. 2003. Effects of Habitat Fragmentation on Biodiversity. *Annual Review of Ecology, Evolution, and Systematics*, 34; 487–515.
<https://doi.org/10.1146/annurev.ecolsys.34.011802.132419>
- Foitová, I., B. Koubková, V. Baruš, & W. Nurcahyo. 2008. Presence and species identification of the gapeworm *Mammomonogamus laryngeus* (Railliet, 1899) (Syngamidae: Nematoda) in a semi-wild population of Sumatran orangutan (*Pongo abelii*) in Indonesia. *Research in Veterinary Science*, 84(2), 232–236.
<https://doi.org/10.1016/j.rvsc.2007.04.021>
- Foitova, I., M. A. Huffman & W. Nurcahyo. 2009. Parasites and their impacts on orangutan health. In *Geographic Variation in Behavioral Ecology and Conservation*. Serge A. Wich, S Suci Utami Atmoko, Tatang Mitra Setia, and Carel P. van Schaik (ed.). Oxford Press. UK.
- Foitová, I., V. Baruš, B. Koubková, S. Mašová, & W. Nurcahyo. 2010. Description of *Lemuricola* (*Lemuricola*) *pongoi* - Male (Nematoda: Enterobiinae) parasitising orangutan *Pongo abelii*. *Parasitology Research*, 106(4), 817–820.
<https://doi.org/10.1007/s00436-010-1732-2>
- Foitová, I., V. Baruš, I. Hodová, B. Koubková, & W. Nurcahyo, W. 2008. Two remarkable pinworms (Nematoda: Enterobiinae) parasitizing orangutan (*Pongo abelii*) in the Sumatra (Indonesia) including *Lemuricola* (*Protenterobius*) *pongoi* n.sp. *Helminthologia*, 45(4), 162–168. <https://doi.org/10.2478/s11687-008-00330>
- Foitová, Ivona, K. Cíváňová, V. Baruš, & W. Nurcahyo. 2014. Phylogenetic relationships between pinworms (Nematoda: Enterobiinae) parasitising the critically endangered orang-utan, according to the characterisation of molecular genomic and mitochondrial markers. *Parasitology Research*, 113(7), 2455–2466. <https://doi.org/10.1007/s00436-014-3892-y>
- Foley, J. A., R. DeFries, G. P. Asner, C. Barford, G. Bonan, S. R. Carpenter, F. S. Chapin, M. T. Coe, G. C. Daily, H. K. Gibbs, J. H. Helkowski, T. Holloway, E. A. Howard, C. J. Kucharik, C. Monfreda, J. A. Patz, I. C. Prentice, N. Ramankutty, & P. K. Snyder. 2005. Global consequences of land use. *Science*, 309(5734), 570–574. <https://doi.org/10.1126/science.1111772>
- Fotang, C., B. Udo, C. Roos, E. C. Enoguanbhor, E. E. Abwe, P. Dutton, P. Schierack, T. E. Angwafo, & K. Birkhofer, K. 2021. Human Activity and Forest Degradation Threaten Populations of the Nigeria – Cameroon Chimpanzee (*Pan troglodytes ellioti*) in Western Cameroon. *International Journal of Primatology*, 42, 105–129. <https://doi.org/10.1007/s10764-020-00191-2>
- Fruth, B., & G. Hohmann. 1993. Ecological and Behavioral Aspects of Nest Building in Wild Bonobos (*Pan paniscus*). *Ethology*, 94(2), 113–126.
<https://doi.org/10.1111/j.1439-0310.1993.tb00552.x>
- Garcia LS, M. Arrowood, E. Kokoskin, G. P. Paltridge, D. R. Pillai, G.W. Procop, N. Ryan, R. Y. Shimizu, and G. Visvesvara. 2018. Laboratory diagnosis of parasites from the gastrointestinal tract. *Clin Microbiol Rev* 31:e00025-17.
<https://doi.org/10.1128/CMR.00025-17>
- Giesen, W. 2015. Utilising non-timber forest products to conserve Indonesia's peat swamp forests and reduce carbon emissions. *Journal of Indonesian Natural History*, Vol. 3 No. 2, pp. 69–72.
- Gillespie, T. R., & C. A. Chapman. 2006. Prediction of parasite infection dynamics in primate metapopulations based on attributes of forest fragmentation.

- Gillespie, T. R., & C. A. Chapman. 2008. Forest fragmentation, the decline of an endangered primate, and changes in host-parasite interactions relative to an unfragmented forest. *American Journal of Primatology*, 70(3), 222–230. <https://doi.org/10.1002/ajp.20475>
- Gillespie, T. R., C. A. Chapman, & E. C. Greiner. 2005. Effects of logging on gastrointestinal parasite infections and infection risk in African primates. *Journal of Applied Ecology*. <https://doi.org/10.1111/j.1365-2664.2005.01049.x>
- Global Soil Laboratory Network. 2019. Standard operating procedure for soil organic carbon Walkley-Black method. *Food and Agriculture Organization of the United Nations*, Vol. 1 No. 20, p. 27.
- Gómez, J. M., C. L. Nunn, & M. Verdú. 2013. Centrality in primate-parasite networks reveals the potential for the transmission of emerging infectious diseases to humans. *Proceedings of the National Academy of Sciences of the United States of America*, 110(19), 7738–7741. <https://doi.org/10.1073/pnas.1220716110>
- Goossens, B., L. Chikki, F. Jalil, S. James, M. Ancrenaz, I. Lackman-Ancrenaz, & M. W. Bruford. 2009. Taxonomy, geographic variation and population genetics of Bornean and Sumatran orangutans. In: S.A. Wich, S.S. Utami Atmoko, T. Mitra Setia and C.P. van Schaik (eds), *Orangutans: Geographic Variation in Behavioral Ecology and Conservation*, pp. 1–13. Oxford University Press, Oxford.
- Greiner E.C. and A. McIntosh. 2008. Collection methods and diagnostic procedures for primate parasitology. in *Primate Parasite Ecology: The dynamic and study of Host-Parasite Relationships*. Michael E. Huffman and Collin A. Chapman (Eds). Cambridge University Press p. 3 – 14.
- Han, B., A. M. Kramer and J. M. Drake. 2016. Global Patterns of Zoonotic Disease in Mammals. *Trends in Parasitology* 32(7): 565-577.
- Hasegawa, H., H. Nautiyal, M. Sasaki & M. A. Huffman. 2018. Description of *enterobius (Colobenterius) emodensis* sp. n. (Nematoda : Oxyuridae) collected from Central Himalayan Langur *Semnopithecus schistaceus*, in Uttarakhand, India. *Zootaxa* 4514 (1) : 065-076.
- Heckathorn, D. D. 1997. Respondent-driven sampling: A new approach to the study of hidden populations. *Social Problems*, 44(2), 174–199. <https://doi.org/10.2307/3096941>
- Herrera J.P., D. Chakraborty, J. Rushmore, S. Altizer, C. Nunn. 2019. The changing ecology of primate parasites: Insights from wild-captive comparisons. *Am J Primatol*. 2019; e22991. <https://doi.org/10.1002/ajp.22991>
- Hilser, H. 2011. An Assessment of Primate Health in the Sabangau Peat-Swamp Forest, Central Kalimantan, Indonesian Borneo.
- Hopkins, M. E., & C. L. Nunn. 2007. A global gap analysis of infectious agents in wild primates. *Diversity and Distributions*, 13(5), 561–572. <https://doi.org/10.1111/j.1472-4642.2007.00364.x>
- Hussain, S., M. S. Ram, A. Kumar, S. Shivaji, & G. Umapathy. 2013. Human Presence Increases Parasitic Load in Endangered Lion-Tailed Macaques (*Macaca silenus*) in Its Fragmented Rainforest Habitats in Southern India. *PLoS ONE*, 8(5), 1–8. <https://doi.org/10.1371/journal.pone.0063685>
- Jesse, S.T., Ludlow, M. and Osterhaus, A.D.M.E. (2022), “Zoonotic Origins of

- Human Metapneumovirus: A Journey from Birds to Humans”, *Viruses*, Vol. 14 No. 4, <https://doi.org/10.3390/v14040677>
- Jia, P., W. Dong, S. Yang, Z. Zhan, L. Tu, & S. Lai. 2020. Spatial Lifecourse Epidemiology and Infectious Disease Research. *Trends in Parasitology*, 36(3), 235–238. <https://doi.org/10.1016/j.pt.2019.12.012>
- Jones, K. E., N. G. Patel, M. A. Levy, A. Storeygard, D. Balk, J. L. Gittleman & P. Daszak. 2008. Global trends in emerging infectious diseases. *Nature* 451(7181):990-993.
- Kappeler, P. M., and C. P. van Schaik. 2002. The evolution of primate social systems. *Int. J. Primatol.* 23(4): 707–740.
- Karesh, W. B., A. Dobson, J. O Lloyd-Smith, J. Lubroth, M. A Dixon, M. Bennett, S Aldrich, T. Harrington, P. Formenty, E. H. Loh, C. C. Machalaba, M. J. Thomas, D. L Heymann. 2012. Ecology of zoonoses: natural and unnatural histories. *The Lancet* 380 (9857): 1936-1945.
- Katzwinkel-Wladarsch, S., M. Lieb, W. Heise, T. Löscher, & H. Rinder. 1996. Direct amplification and species determination of microsporidian DNA from stool specimens. *Tropical Medicine and International Health*, 1(3), 373–378. <https://doi.org/10.1046/j.1365-3156.1996.d01-51.x>
- Keyes, K. M., S. Kandula, M. Olfson, M. S. Gould, G. Martínez-Alés, C. Rutherford, & J. Shaman. 2021. Suicide and the agent-host-environment triad: Leveraging surveillance sources to inform prevention. *Psychological Medicine*, 51(4), 529–537. <https://doi.org/10.1017/S003329172000536X>
- Kilbourn, A. M., W.B. Karesh, N. D. Wolfe, E. J. Bosi, R. A. Cook, & M. Andau. 2003. Health evaluation of free-ranging and semi-captive orangutans (*Pongo pygmaeus pygmaeus*) in Sabah, Malaysia. *Journal of Wildlife Diseases*, 39(1), 73–83. <https://doi.org/10.7589/0090-3558-39.1.73>
- Knopp S, A. F. Mgeni, I. S. Khamis, P. Steinmann, J. R. Stothard, D. Rollinson, H. Marti and J. Utzinger. 2008. Diagnosis of Soil-Transmitted Helminths in the Era of Preventive Chemotherapy: Effect of Multiple Stool Sampling and Use of Different Diagnostic Techniques. *PLoS Negl Trop Dis* 2(11): e331. <https://doi.org/10.1371/journal.pntd.0000331>
- Kouassi, R. Y. W., S. W. McGraw, P. K. Yao, A. Abou-Bacar, J. Brunet, B. Pesson, B. Bonfoh, E. K. N’goran, & E. Candolfi. 2015. Diversity and prevalence of gastrointestinal parasites in seven non-human primates of the Tai National Park, Côte d’Ivoire. *Parasite*, 22. <https://doi.org/10.1051/PARASITE/2015001>
- Kuze, N., T. Kanamori, T. P. Malim, H. Bernard, K. Zamma, T. Kooriyama, A. Morimoto, and H. Hasegawa. 2010. Parasites found from the feces of Bornean orangutans in Danum Valley Sabah Malaysia, with a redescription of *Pongobius hugoti* and the description of a new species of *Pongobius* (Nematoda: Oxyuridae). *J. Parasitol* 96(5), 954–960.
- Labes, E.M., D. Hegglin, F. Grimm, W. Nurcahyo, M. E. Harrison, M.L. Bastian, and P. Deplazes, P. 2010. Intestinal parasites of endangered orangutans (*Pongo pygmaeus*) in Central and East Kalimantan, Borneo, Indonesia. *Parasitology*. <https://doi.org/10.1017/S0031182009991120>
- Le Maréchal, C., S. Fourour, V. Ballan, S. Rouxel, R. Souillard & M. Chemaly. 2018. Detection of *Clostridium botulinum* group III in environmental samples from farms by real-time PCR using four commercial DNA extraction kits. *BMC Research Notes*, 11(1), 1–6. <https://doi.org/10.1186/s13104-018-3549-5>

- Leendertz, S. A. J., S. A. Wich, M. Ancrenaz, R.A. Bergl, M. K. Gonder, T. Humle, & F. H. Leendertz. 2017. Ebola in great apes – current knowledge, possibilities for vaccination, and implications for conservation and human health. *Mammal Review*, 47(2), 98–111. <https://doi.org/10.1111/mam.12082>
- Liu, Y. X., Y. Qin, T. Chen, M. Lu, X. Qian, X. Guo, & Y. Bai. 2020. A practical guide to amplicon and metagenomic analysis of microbiome data. *Protein and Cell*. <https://doi.org/10.1007/s13238-020-00724-8>
- Loken, B., S. Spehar and Y. Rayadin. 2013. Terrestriality in the bornean orangutan (*Pongo pygmaeus morio*) and implications for their ecology and conservation. *American Journal of Primatology*, 75(11), 1129–1138. <https://doi.org/10.1002/ajp.22174>
- Lopez-Siles, M., S. H. Duncan, L. J. Garcia-Gil & M. Martinez-Medina. 2017. Faecalibacterium prausnitzii: From microbiology to diagnostics and prognostics. *ISME Journal*, 11(4), 841–852. <https://doi.org/10.1038/ismej.2016.176>
- Lowenstine, L. J., R. McManamon & K. A., Terio. 2018. Apes. In *Pathology of Wildlife and Zoo Animals* (pp. 375–412). Elsevier. <https://doi.org/10.1016/B978-0-12-805306-5.00015-8>
- Lundberg, D. S., S. Yourstone, P. Mieczkowski, C. D. Jones, & J. L. Dangl. 2013. Practical innovations for high-throughput amplicon sequencing. *Nature Methods*, 10(10), 999–1002. <https://doi.org/10.1038/nmeth.2634>
- Lynsdale, C. L., N. O. Mon, D. J. Franco dos Santos, H. H. Aung, U. K. Nyein, W. Htut, D. Childs, & V. Lummaa. 2020. Demographic and reproductive associations with nematode infection in a long-lived mammal. *Scientific Reports*, 10(1), 1–11. <https://doi.org/10.1038/s41598-020-66075-w>
- Martinez, J., & S. Merino. 2011. Host-parasite interactions under extreme climatic conditions. *Current Zoology*, 57(3), 390–405. <https://doi.org/10.1093/czoolo/57.3.390>
- Martínez-Mota, R., G. Pozo-Montuy, Y. M. Bonilla Sánchez, & T. R. Gillespie, T. R. 2018. Effects of anthropogenic stress on the presence of parasites in a threatened population of black howler monkeys (*Alouatta pigra*). *Therya*, 9(2), 161–170. <https://doi.org/10.12933/therya-18-572>
- Massingham, E., E. Meijaard, M. Ancrenaz, D. Mika, J. Sherman, T. Santika, L. Pradipta, H. P. Possingham, & A. J. Dean. 2023. Killing of orangutans in Kalimantan - Community perspectives on incidence and drivers. *Conservation Science and Practice*, November 2022, 1–16. <https://doi.org/10.1111/csp2.13025>
- Mbora, D. N. M., & E. Munene. 2006. Gastrointestinal Parasites of Critically Endangered Primates Endemic to Tana River, Kenya: Tana River Red Colobus (*Procolobus Rufomitratu*) and Crested Mangabey (*Cercocebus Galeritus*). *Journal of Parasitology*, 92(5), 928–932. <https://doi.org/10.1645/ge-798r1.1>
- Mbora, D. N. M., & M. A. McPeck. 2009. Host density and human activities mediate increased parasite prevalence and richness in primates threatened by habitat loss and fragmentation. *Journal of Animal Ecology*, 78(1), 210–218. <https://doi.org/10.1111/j.1365-2656.2008.01481.x>
- Mccreesh, N., S. Frost, J. Seeley, J. Katongole, M. Ndagire, R. Ndunguse, F. Jichi, N. L. Lunel, D. Maher, G. Lisa, P. Sonnenberg, A. J. Copas, R. J. Hayes & R. G. White. 2013. *Evaluation of Respondent-Driven Sampling*. 23(1), 138–147. <https://doi.org/10.1097/EDE.0b013e31823ac17c.Evaluation>

- Medkour, H., I. Amona, Y. Laidoudi, B. Davoust, I. Bitam, A. Levasseur, J. Akiana, G. Diatta, L. Pacheco, S. Gorsane, C. Sokhna, R. A. Hernandez-Aguilar, A. Barciela, F. Fenollar, D. Raoult, & O. Mediannikov. 2020. Parasitic infections in African humans and non-human primates. *Pathogens*, 9(7), 1–20. <https://doi.org/10.3390/pathogens9070561>
- Meijaard, E., & Wich, S. 2007. Putting orang-utan population trends into perspective. In *Current Biology* (Vol. 17, Issue 14). <https://doi.org/10.1016/j.cub.2007.05.016>
- Meijaard, E., Buchori, D., Hadiprakarsa, Y., Utami-Atmoko, S.S., Nurcahyo, A., Tjiu, A., Prasetyo, D., *et al.* 2011. “Quantifying killing of orangutans and human-orangutan conflict in Kalimantan, Indonesia”, *PLoS ONE*, Vol. 6 No. 11, pp. 1–10, <https://doi.org/10.1371/journal.pone.0027491>
- Meijaard, E., J. Sherman, M. Ancrenaz, S. A. Wich, T. Santika, & M. Voigt. 2018. Orangutan populations are certainly not increasing in the wild. In *Current Biology* (Vol. 28, Issue 21). <https://doi.org/10.1016/j.cub.2018.09.052>
- Miller, D. A., G. Suen, D. Bruce, A. Copeland, J. F. Cheng, C. Detter, L. A. Goodwin, C.S. Han, L. J. Hauser, M. L. Land, A. Lapidus, S. Lucas, L. Meincke, S. Pitluck, R. Tapia, H. Teshima, T. Woyke, B. G. Fox, E. R. Angert & C. R. Currie. 2011. Complete genome sequence of the cellulose-degrading bacterium *Cellulosilyticum lentocellum*. *Journal of Bacteriology*, 193(9), 2357–2358. <https://doi.org/10.1128/JB.00239-11>
- Miller, I. F., I. Schneider-Crease, C. L. Nunn & M. P. Muehlenbein. 2018. Estimating infection prevalence: Best practices and their theoretical underpinnings. *Ecology and Evolution*, 8(13), 6738–6747. <https://doi.org/10.1002/ece3.4179>
- Mirmanto, E. 2010. Vegetation analyses of Sebangau peat swamp forest, Central Kalimantan. *Biodiversitas*, 11(2): 82-88.
- Mittermeier, R.A., Rylands, A.B. and Wilson D.E. 2013. *Handbook of the Mammals of the World: Volume 3 Primates*. Lynx Edicions, Barcelona.
- Morand, S. and R. Poulin. 2003. Phylogenies, the comparative method and parasite evolutionary ecology. *Advances in Parasitology*. Vol. 54; 0065-308X.
- Morand, S., & R. Poulin. 1998. Density, body mass and parasite species richness of terrestrial mammals. *Evolutionary Ecology*, 12(6), 717–727. <https://doi.org/10.1023/A:1006537600093>
- Morrogh-Bernard, S. J. Husson, S. Page and J. O. Rieley. 2003. Population status of the Bornean orang-utan (*Pongo pygmaeus*) in the Sebangau peat swamp forest, Central Kalimantan, Indonesia. *Biological Conservation* 110 (2003) 141–152.
- Mueller-Dombois, D. & H. Ellenberg. 1974. *Aims and methods of vegetation ecology*. John Wiley. Toronto. Canada.
- Mul, I. F., W. Paemboan, I. Singleton, S. A. Wich & H. G. Bolhuis. 2007. Intestinal Parasites of free-ranging, semicaptive and captive *Pongo abelii* in Sumatra Indonesia. *Int. J. Primatol.* 28:407-420.
- Muletz-Wolz, C. R., N. P. Kurata, E. A. Himschoot, E. S. Wenker, E. A. Quinn, K. Hinde, M. L. Power, & R. C. Fleischer. 2019. Diversity and temporal dynamics of primate milk microbiomes. *American Journal of Primatology*, 81(10–11), 1–14. <https://doi.org/10.1002/ajp.22994>
- Murcia, C. 1995. Edge effects in fragmented forests: implications for conservation. *Trends in Ecology & Evolution*, 10(2), 58–62. [https://doi.org/10.1016/S0169-5347\(00\)88977-6](https://doi.org/10.1016/S0169-5347(00)88977-6)

- Murillo, T., Schneider, D., Fichtel, C., & Daniel, R. (2022). Dietary shifts and social interactions drive temporal fluctuations of the gut microbiome from wild redfronted lemurs. *ISME Communications*, 2(1).
<https://doi.org/10.1038/s43705-021-00086-0>
- Mynářová, A., I. Foitová, M. Kváč, D. Květoňová, M. Rost, H. Morrogh-Bernard, W. Nurcahyo, C. Nguyen, Supriadi and B. Sak. 2016. Prevalence of *Cryptosporidium* spp., *Enterocytozoon bieneusi*, *Encephalitozoon* spp. and *Giardia intestinalis* in wild, semi-wild and captive orangutans (*Pongo abelii* and *Pongo pygmaeus*) on Sumatra and Borneo, Indonesia. *PLoS ONE* 11(3), e0152771.
- Noordwijk, M. A. Van, & N. Arora. 2012. *Female philopatry and its social benefits among Bornean orangutans*. (June). <https://doi.org/10.1007/s00265-012-1330-7>
- Nordahlia, A. S., & Lim, S. C. 2017.. Timber technology bulletin. In *Timber Technology Bulletin*. No. 71; ISSN : 139-258, Vol. 71, Issue July. FRIM, Malaysia.
- Novogene. 2017. *Amplicon Analysis Demo report*. Novogene Co. Ltd. 1-37.
- Nunn C. L, P. H. Thrall, F. H. Leendertz, and C. Boesch. 2011. The Spread of fecally transmitted parasites in socially-structured populations. *PLoS ONE* 6(6):e21677. <https://doi.org/10.1371/journal.pone.0021677>
- Nunn, C. L. and S. M. Altizer. 2006. *Infectious diseases in Primates: Behaviour, Ecology and Evolution*. 10 ed. Oxford University Press. England, UK.
- Nunn, C. L., & S. M. Altizer. 2005. The global mammal parasite database: An online resource for infectious disease records in wild primates. *Evolutionary Anthropology: Issues, News, and Reviews*, 14(1), 1–2.
<https://doi.org/10.1002/evan.20041>
- Nurcahyo W, W. Konstanzová V, and I. Foitová. Parasites of orangutans (primates: Ponginae): An overview. *Am J Primatol*. 2017;e22650,
<https://doi.org/10.1002/ajp.22650>
- Okolo, C. C., G. Gebresamuel, A. Zenebe, M. Haile, J. E. Orji, C. B. Okebalama, C. E. Eze, E. Eze, & P. N. Eze. 2023. Soil organic carbon, total nitrogen stocks and CO₂ emissions in top and subsoils with contrasting management regimes in semi-arid environments. *Scientific Reports*, 13(1), 1–17.
<https://doi.org/10.1038/s41598-023-28276-x>
- Ong, C. S. P., J. C. Juan, & C. M. Yule, C. M. 2015. Litterfall production and chemistry of *Koompassia malaccensis* and *Shorea uliginosa* in a tropical peat swamp forest: plant nutrient regulation and climate relationships. *Trees - Structure and Function*, 29(2), 527–537. <https://doi.org/10.1007/s00468-014-1130-y>
- Orr, B., G. Ma, W. L. Koh, R. Malik, J. M. Norris, M. E. Westman, D. Wigney, G. Brown, M.P. Ward and J. Slapeta. 2020. Pig-hunting dogs are an at-risk population for canine heartworm (*Dirofilaria immitis*) infection in eastern Australia. *Parasites and Vectors*, BioMed Central, Vol. 13 No. 1, pp. 1–12,
<https://doi.org/10.1186/s13071-020-3943-4>
- Orr, B., M. E. Westman, R. Malik, A. Purdie, A., S. B. Craig, and J. M. Norris. 2022. Leptospirosis is an emerging infectious disease of pig-hunting dogs and humans in North Queensland. *PLoS Neglected Tropical Diseases*, Vol. 16 No. 1, pp. 1–18. <https://doi.org/10.1371/JOURNAL.PNTD.0010100>

- Page, S. E., F. Siegert, J. O. Rieley, H.D V. Boehm, A. Jaya & S. Limin. 2002. The amount of carbon released from peat and forest fires in Indonesia during 1997. *Nature* 420(6911):61-5 <https://doi.org/10.1038/nature01131>
- Page, S. E., J. O. Rieley, W. Shotyk, and D. Weiss. 1999. Interdependence of peat and vegetation in a tropical peat swamp forest. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 354(1391), 1885–1887. https://doi.org/10.1142/9781848160125_0014
- Panda A, B. Pamungkas, M. Ancrenaz. 2011. The population status of Bornean Orangutan (*Pongo pygmaeus wurmbii*) in Sebangau National Park. In *Proceeding on International workshop on Orangutan Conservation*. Bali. Indonesia.
- Panda, A., & Y. E. Gunawan. 2018. Linking Zoopharmacognocny with Ethnomedication, An Evidence Base from Sebangau National Park, Central Kalimantan Indonesia. *Journal of Tropical Life Science*, 8(3), 323–329. <https://doi.org/10.11594/jtls.08.03.15>
- Panda, A., A. Meididit, O. Simon, W. T. Artama, D. Priyowidodo, & T. S. Djohan. 2023. Orangutan (*Pongo pygmaeus ssp. wurmbii*) ranging pattern in Punggualas, Sebangau National Park, Central Kalimantan Indonesia: Ranging pattern of P.p. wurmbii in Punggualas, Sebangau National Park. *BIOTROPIA - The Southeast Asian Journal of Tropical Biology*, 30(3), 282–296. <https://doi.org/10.11598/btb.2023.30.3.1901>
- Paoli, G.D., D. R. Peart, M. Leighton, and I. Samsedin. 2001. An ecological and economic assessment of the nontimber forest product gaharu wood in Gunung Palung National Park, West Kalimantan, Indonesia, *Conservation Biology*, Vol. 15 No. 6, pp. 1721–1732. <https://doi.org/10.1046/j.1523-1739.2001.98586.x>
- Philippa, J. and R. Dench. 2019. Infectious Diseases of Orangutans in their Home Ranges and in Zoos, *Fowler's Zoo and Wild Animal Medicine*, Volume 9. Editors, R. Eric Miller, Nadine Lamberski and Paul P. Calle. Saunders Publishing. Elsevier. p. 565 – 573; <https://doi.org/10.1016/C2016-0-01845-4>
- Piel, A.K., Crunchant, A., Knot, I. E. *et al.* Noninvasive Technologies for Primate Conservation in the 21st Century. *Int J Primatol* (2021). <https://doi.org/10.1007/s10764-021-00245-z>
- Prasetyo, D., M. Ancrenaz, H. C. Morrogh-Bernard, S. Suci Utami Atmoko, S. A. Wich & C. P. van Schaik. 2009. Nest building in orangutans. Serge A. Wich, S Suci Utami Atmoko, Tatang Mitra Setia, and Carel P. van Schaik (ed.). Oxford Press. UK.
- Rao, M. & van Schaik, C.P. 1997. The behavioural ecology of Sumateran orangutans in logged and unlogged forest. *Tropical Biodiversity*, 4, 173-185
- Requena-Mendez A, P. Chiodini, Z. Bisoffi, D. Buonfrate, E. Gotuzzo and Jose' Munoz . 2013. The Laboratory Diagnosis and Follow Up of Strongyloidiasis: A Systematic Review. *PLoS Negl Trop Dis* 7(1): e2002. <https://doi.org/10.1371/journal.pntd.0002002>
- Reynolds, L.A., Finlay, B.B. and Maizels, R.M. 2015. “Cohabitation in the Intestine: Interactions among Helminth Parasites, Bacterial Microbiota, and Host Immunity”, *The Journal of Immunology*, Vol. 195 No. 9, pp. 4059–4066, <https://doi.org/10.4049/jimmunol.1501432>
- Ries, L., R. J. Fletcher, J. Battin, & T. D. Sisk. 2004. Ecological responses to habitat edges: Mechanisms, models, and variability explained. *Annual Review of*

- Ecology, Evolution, and Systematics*, 35(2004), 491–522.
<https://doi.org/10.1146/annurev.ecolsys.35.112202.130148>
- Rondón, S., M. Ortiz, C. León, N. Galvis, A. Link, A., and C. González. 2017. Seasonality, richness and prevalence of intestinal parasites of three neotropical primates (*Alouatta seniculus*, *Ateles hybridus* and *Cebus versicolor*) in a fragmented forest in Colombia. *International Journal for Parasitology: Parasites and Wildlife*. 6: 202–208
- Russell, J. T., L.F.W. Roesch, M. Ördberg, M., J. Ilonen, M. A. Atkinson, D. A. Schatz, E. W. Triplett & J. Ludvigsson. 2019. Genetic risk for autoimmunity is associated with distinct changes in the human gut microbiome. *Nature Communications*, 10(1), 1–12. <https://doi.org/10.1038/s41467-019-11460-x>
- Russon, A. E., S. A. Wich, M. Ancrenaz, T. Kanamori, C. D. Knott, N. Kuze, H. C. Morrogh-Bernard, P. Pratje, H. Ramlee, P. Rodman, A. Sawang, K. Sidiyasa, I. Singleton, I., & C. P. van Schaik, C. P. 2009. Geographic variation in orangutan diets. *Orangutans: Geographic Variation in Behavioral Ecology and Conservation*, 135–156.
<https://doi.org/10.1093/acprof:oso/9780199213276.003.0009>
- Santiago, A., S. Panda, G. Mengels, X. Martinez, F. Azpiroz, J. Dore, F. Guarner & C. Manichanh. 2014. Processing faecal samples: A step forward for standards in microbial community analysis. *BMC Microbiology*, 14(1), 1–9.
<https://doi.org/10.1186/1471-2180-14-112>
- Santika, Truly, M. Ancrenaz, K.A. Wilson, S. Spehar, N. Abram, G.L. Banes, G. Campbell-Smith, L. Curran, L. d’Arcy, R. A. Delgado, A. Erman, B. Goossens, H. Hartanto, M. Houghton, S.J. Husson, H. S. Kühl, I. Lackman, A. Leiman, K. L. Sanchez, N. Makinuddin, A. J. Marshall, A. Meididit, K. Mengersen, Musnanda, Nardiyono, A. Nurcahyo, K. Odom, A. Panda, D. Prasetyo, Purnomo, A. Rafiastanto, S. Raharjo, D. Ratnasari, A. E. Russon, A. H. Santana, E. Santoso, I. Sapari, J. Sihite, A. Suyoko, A. Tjiu, S. S. Utami-Atmoko, C. P. van Schaik, M. Voigt, J. Wells, S.A. Wich, E. P. Willems & Erik Meijaard. 2017. First Integrative Trend Analysis for a Great Ape Species in Borneo. *Scientific Reports* 7 (1). <https://doi.org/10.1038/s41598-017-04435-9>
- Saputra, F., D. Perwitasari-Farajallah, S. Suci Utami-Atmoko, T. Ariyanto, & M. A. van Noordwijk. 2017. Monthly range of adolescent orangutans (*Pongo pygmaeus wurmbii*) based on fruit availability in tuanan orangutan research station, Central Kalimantan, Indonesia. *Biodiversitas*, 18(4), 1445–1452.
<https://doi.org/10.13057/biodiv/d180421>
- Saputro, S., U. Saepuloh, H. S. Darusman, W. Putriyani, Permanawati, E. D. Ayuningsih, S.A. Prabandari, D. Setyawati & J. Pamungkas. 2023. *Klebsiella pneumoniae* infection in cynomolgus monkeys at primate research center facility in Indonesia. *J. Med. Primatol.* 52 (6) p. 361–368.
<https://doi.org/10.1111/jmp.12665>
- Schmid-Hempel, P. 1998. *Parasites in Social Insects*. Princeton University Press, Princeton, NJ
- Schofield, K. 2015. Changes in forest structure and tree species composition after logging in tropical peat-swamp forest in Central Kalimantan, Indonesia. *University of Aberdeen*.
- Setia, T. M., R. A. Delgado, S. Suci Utami Atmoko, I. Singleton and C. P. van Schaik. 2009. Social organization and male-female relationships. In *Geographic Variation in Behavioral Ecology and Conservation*. Serge A. Wich, S Suci

- Utami Atmoko, Tatang Mitra Setia, and Carel P. van Schaik (ed.). Oxford Press. UK.
- Sharpton, T. J. 2014. An introduction to the analysis of shotgun metagenomic data. In *Frontiers in Plant Science* (Vol. 5, Issue JUN). Frontiers Research Foundation. <https://doi.org/10.3389/fpls.2014.00209>
- Sheperd, P. A. J. O. Rieley, and Page, S. E. 1997. The relationship between vegetation and peat characteristics in the upper catchment of Sungai Sebangau, Central Kalimantan, Indonesia. In *Biodiversity and sustainability of tropical peatlands* (ed. J. O. Rieley & S. E. Page), pp. 191-210. Cardigan, UK; Samara Publishing.
- Sherman, J., S. Unwin, D. A. Travis, F. Oram, S. A. Wich, R. L. Jaya, M. Voigt, T. Santika, E. Massingham, D. J. I. Seaman, E. Meijaard, & M. Ancrenaz. 2021. Disease Risk and Conservation Implications of Orangutan Translocations. *Frontiers in Veterinary Science*, 8(November), 1–18. <https://doi.org/10.3389/fvets.2021.749547>
- Shimada, S., H. Takahashi, A. Haraguchi, & M. KANEKO. 2001. The carbon content characteristics of tropical peats in Central Kalimantan, Indonesia: Estimating their spatial variability in density. *Biogeochemistry*, 53, 249–267. <https://doi.org/10.1023/A>
- Simler-Williamson, A. B., M. R. Metz, K. M. Frangioso, & D. M. Rizzo. 2021. Wildfire alters the disturbance impacts of an emerging forest disease via changes to host occurrence and demographic structure. *Journal of Ecology*, 109(2), 676–691. <https://doi.org/10.1111/1365-2745.13495>
- Singleton, I., C. D. Knott, H. C. Morrogh-Bernard, S. A. Wich and C. P. van Schaik. 2009. Ranging behavior of orangutan females and social organization. In *Geographic Variation in Behavioral Ecology and Conservation*. Serge A. Wich, S Suci Utami Atmoko, Tatang Mitra Setia, and Carel P. van Schaik (ed.). Oxford Press. UK.
- Singleton, I., S. Wich, S. Husson, S. Stephens, S. Utami Atmoko, M. Leighton, N. Rosen, K. Traylor-Holzer, R. Lacy and O. Byers (eds.). 2004. *Orangutan Population and Habitat Viability Assessment: Final Report*. IUCN/SSC Conservation Breeding Specialist Group, Apple Valley, MN.
- Sitepu, I.R., Santoso, E., Siran, S.A. and Turjaman, M. (2011), *Fragrant Wood Gaharu: When the Wild Can No Longer Provide, Fragrant Wood Gaharu: When the Wild Can No Longer P R O V I d e*, Vol. 50, ITTO, Jakarta, Indonesia.
- Stephens, P. R., P. Pappalardo, S., I. E. Byers, M. J. Farrell, A. Gehman, R. R. Ghai, S. E. Haas, B. Han, A. W. Park, J. P. Schmidt, S. Altizer, V. O. Ezenwa & Nunn, C. L. (2017). Global Mammal Parasite Database version 2.0. *Ecology*, 98(5), 1476. <https://doi.org/10.1002/ecy.1799>
- Stuart, P., E. Yalcindag, I. K. M. Ali, R. Pecková, W. Nurcahyo, H. Morrogh-Bernard & I. Foitová, 2020. Entamoeba histolytica infections in wild and semi-wild orangutans in Sumatra and Kalimantan. *American Journal of Primatology*, 2020; e23124 <https://doi.org/10.1002/ajp.23124>
- Suyoko, T. Hidayat, Susana, H. Agustin, G. Rinenggo, P. Wicaksono, O. Simon & M. Ansori. 2017. Rencana Pengelolaan Jangka Panjang Taman Nasional Sebangau Periode 2018 – 2027. Taman Nasional Sebangau. Kementerian Lingkungan Hidup dan Kehutanan RI.
- Utami-Atmoko, S., K. Traylor-Holzer, M. A. Rifqi, B. Achmad,, A. Priadjati, A., Ermayanti, C. M. 2016. *Final Report: Orangutan Population and Habitat*

- Viability Assessment 2019 – FORINA*. Bogor. Retrieved from <http://forina.or.id/orangutan-population-and-habitat-viability-assessment-2016/>
- Utami-Atmoko, S., K. Traylor-Holzer, M. A. Rifqi, P. G. Siregar, B. Achmad, A. Priadjati, A., S. Husson, S. Wich, P. Hadisiswoyo, F. Saputra, G. Campbell-Smith, G., P. Kuncoro, A. Russon, M. Voigt, T. Santika, M. Nowak, I. Singleton, I. Sapari, A. Meididit, D. S. Chandradewi, B. Ripoll Capilla, Ermayanti, C. MLees (eds.). 2017. Orangutan Population and Habitat Viability Assessment: Final Report. IUCN/SSC Conservation Breeding Specialist Group, Apple Valley, MN.
- van Schaik, C. P., Serge A. Wich, Sri Suci Utami and Kisar Odom. 2005. A simple alternative to line transects of nests for estimating orangutan densities. *Primates* 46: 240 – 254.
- Vesala, R., H. Kiheri, E. A. Hobbie, N. van Dijk, N. Dise, & T. Larmola. 2021. Atmospheric nitrogen enrichment changes nutrient stoichiometry and reduces fungal N supply to peatland ericoid mycorrhizal shrubs. *Science of the Total Environment*, 794, 148737. <https://doi.org/10.1016/j.scitotenv.2021.148737>
- Viney, M. E., & J. B. Lok. 2007. Strongyloides spp. *WormBook : The Online Review of C. Elegans Biology*, 1–15. <https://doi.org/10.1895/wormbook.1.141.1>
- Vitazkova, S. K., & S. E. Wade. 2007. Effects of ecology on the gastrointestinal parasites of *Alouatta pigra*. *International Journal of Primatology*, 28(6), 1327–1343. <https://doi.org/10.1007/s10764-007-9229-2>
- Vogel, E. R., S. E. Alavi, S. S. Utami-Atmoko, M. A. van Noordwijk, T.D. Bransford, W. M. Erb, A. Zulfa, F. Sulisty, W. R. Farida, & J. M. Rothman. 2017. Nutritional ecology of wild Bornean orangutans (*Pongo pygmaeus wurmbii*) in a peat swamp habitat: Effects of age, sex, and season. *American Journal of Primatology*, 79(4). <https://doi.org/10.1002/ajp.22618>
- Voigt, M., S. A. Wich, M. Ancrenaz, E. Meijaard, N. Abram, G. L. Banes, G. Campbell-Smith, L. J. d'Arcy, R. A. Delgado, A. Erman, D. Gaveau, B. Goossens, S. Heinicke, M. Houghton, S. J. Husson, A. Leiman, K. L. Sanchez, N. Makinuddin, A. J. Marshall, A. Meididit, J. Miettinen, R. Mundry, Musnanda, Nardiyono, A. Nurcahyo, K. Odom, A. Panda, D. Prasetyo, A. Priadjati, Purnomo, A. Rafiastanto, A. E. Russon, T. Santika, J. Sihite, S. Spehar, M. Struebig, E. Sulbaran-Romero, A. Tjiu, J. Wells, K. A. Wilson, and Hjalmar S. Kuhl. 2018. Global demand for Natural Resources Eliminated More Than 100,000 Bornean Orangutans. *Current Biology* 28(5); 761-769. <https://doi.org/10.1016/j.cub.2018.01.053>
- Volant, S., P. Lechat, P. Woringer, L. Motreff, P. Campagne, C. Malabat, S. Kennedy and A. Ghodzlane. 2020. SHAMAN: A user-friendly website for metataxonomic analysis from raw reads to statistical analysis. *BMC Bioinformatics*, BMC Bioinformatics, Vol. 21 No. 1, pp. 1–15, doi: <https://doi.org/10.1186/s12859-020-03666-4>
- Wedeux, B. M. M. & D. A. Coomes. 2015. Landscape-scale changes in forest canopy structure across a partially logged tropical peat swamp. *Biogeosciences*, 12(22), 6707–6719. <https://doi.org/10.5194/bg-12-6707-2015>
- Wich, S.A., D. Gaveau, N. Abram, M. Ancrenaz, A. Baccini, S. Brend, L. Curran, R. A. Delgado, A. Erman, G. M. Fredriksson, B. Goossens, S. J. Husson, I. Lackman, A. J. Marshall, A. Naomi, E. Molidena, Nardiyono, A. Nurcahyo, K. Odom, A. Panda, D. Prasetyo, Purnomo, A. Rafiastanto, S. Raharjo, D. Ratnasari, A. E. Russon, A. H. Santana, E. Santoso, I. Sapari, J. Sihite, A.

- Suyoko, A. Tjiu, S. S. Utami-Atmoko, C. P. van Schaik, M. Voigt, J. Wells, S.A. Wich, E. P. Willems & Erik Meijaard. 2012. Understanding the Impacts of Land-Use Policies on a Threatened Species: Is There a Future for the Bornean Orang-utan? *PLoS ONE* 7(11): e49142.
<https://doi.org/10.1371/journal.pone.0049142>
- Widyastuti, K., R. Reuillon, P. Chapron, W. Abdussalam, D. Nasir, M. E. Harrison, H. Morrogh-Bernard, M.A. Imron, & U. Berger. 2022. Assessing the impact of forest structure disturbances on the arboreal movement and energetics of orangutans—An agent-based modeling approach. *Frontiers in Ecology and Evolution*, 10. <https://doi.org/10.3389/fevo.2022.983337>
- Wolfe, N.D., P. Daszak, A. M. Kilpatrick, and D. S. Burke. 2005. Bushmeat hunting, deforestation, and prediction of zoonotic disease emergence. *Emerging Infectious Diseases*, Vol. 11 No. 12, pp. 1822–1827.
<https://doi.org/10.3201/eid1112.040789>
- Ying, C., Siao, Y.S., Chen, W.J., Chen, Y.T., Chen, S.L., Chen, Y.L. and Hsu, J.T. 2022. Host species and habitats shape the bacterial community of gut microbiota of three non-human primates: Siamangs, white-handed gibbons, and Bornean orangutans. *Frontiers in Microbiology*, Vol. 13,
<https://doi.org/10.3389/fmicb.2022.920190>
- Yule, C. M., Y. Y. Lim, & T. Y. Lim. 2018. Recycling of phenolic compounds in Borneo's tropical peat swamp forests. *Carbon Balance and Management*, 13(1).
<https://doi.org/10.1186/s13021-018-0092-6>
- Ze, X., S. H. Duncan, P. Louis & H. J. Flint, H. J. 2012. *Ruminococcus bromii* is a keystone species for the degradation of resistant starch in the human colon. *ISME Journal*, 6(8), 1535–1543. <https://doi.org/10.1038/ismej.2012.4>