

Bibliography

- Aini, S., Husin, M. Z., Sood, A. M. & Saaban, S., 2017. A GIS Based Multi-Criteria Evaluation Approach to Develop an Asian Elephant Habitat Suitability Model in Peninsular Malaysia. *Gajah*, pp. 10-17.
- Alfred, R. et al., 2006. *Satellite Tracking of Borneo's Pygmy Elephants*, Sabah: World Wildlife Fund for Nature-Malaysia.
- Anoop, N. et al., 2023. Factors determining the seasonal habitat use of Asian elephants in the Western Ghats of India. *The Journal of Wildlife Management*, 87(8).
- Baht, r. et al., 2025. Soil Texture: Unlocking Fertility and Productivity for Better Crops. *Agriculture Association of Textile Chemical and Critical Reviews Journal*, pp. 396-408.
- Begly, C., 2006. *A Report on the Elephant Situation in Myanmar*, London: EleAid.
- Berti, E., Rosenbaum, B. & Vollrath, F., 2025. Energy landscapes direct the movement preferences. *Journal of Animal Ecology*, 94(5), pp. 811-1111.
- Billah, M. M., Rahman, M. M., Abedin, J. & Akter, H., 2021. Land cover change and its impact on human–elephant conflict: a case. *Springer Nature*, Volume 3.
- Budhathoki, S., Gautam, J., Budhathoki, S. & Jaishi, P. p., 2023. Predicting the habitat suitability of Asian elephants (*Elephas maximus*) under future climate scenarios. *Ecosphere*, 14(10).
- Carrasco-Hernandez, R., 2019. A didactic approach to models of habitat suitability (HS) and the potential distribution of biological species. *Journal of Biological Education*, 54(4), p. 433–442.
- Crawley, J. A. H. et al., 2020. Taming age mortality in semi-captive Asian elephants. *International Journal of Sciences*, 05 May.10(1).
- Das, U. & Behera, B., 2026. Habitat suitability assessment of Asian elephant using fuzzy AHP method: The case study of Buxa Tiger Reserve, India. *Nature Conservation*, Volume 86.
- Doherty, F., 2016. Myanmar logging ban a major step to forest sector reform. *Environmental Investigation Agency EIA*, 04 August.
- Edosa, B. T., Erena & Geleta, M., 2024. Wildlife habitat suitability analysis and mapping the former dhidhessa wildlife sanctuary using GIS-based analytical hierarchal process and weighted linear combination methods. *Heliyon*, Volume 10.

Fadl, M. E., Moursy, A. R., Abdel-Azem, A. H. & El-Sayed, M. A., 2025. A Geospatial approach to Land capability assessment in arid regions: Integration of Storie Index, geographic information systems, and Analytical Hierarchy Process techniques. *Journal of Arid Environments*, February.

Feng, L. & Z. L., 2005. Habitat Selection by Asian Elephant (Elephant Maximus) in Xishuangbanna, Yunnan, China. *Acta Theriologica Sinica*, Volume 25, pp. 229-236.

Food and Agriculture Organization, 2006. *Guidelines for soil description*. Fourth edition ed. Rome: Food and Agriculture Organization of the United Nations.

Food and Agriculture Organization, 2020. *Global Forest Resources Assessment (FRA) Myanmar*, Rome: Food and Agriculture Organization of the United Nations.

Gale, T., 1974. *Burmese Timber Elephant*. Rangoon: Trade Corp.

Green, J., Schmidt-Burbach, J. & Hartley-Backhouse, L., 2025. Giants in tourism: captive conditions, industry trends, and animal welfare implications for Asian elephants in tourism from 2014 to 2020. *Frontiers in Ecology*, 2 July. Volume 4.

Hadden, R. L., 2008. *The Geology of Burma (Myanmar): An Annotated Bibliography of Burma's Geology, Geography and Earth Science*, s.l.: US Army Corps of Engineers.

Jue, Jue, T. Z. M. & Shibata, S., 2024. GPS tracking reveals home range and habitat preference of semi-captive elephants in Myanmar. *Landscape and Ecological Engineering*, pp. 213-221.

Kennedy, D. S. O., 2022. Soil pH and its Impact on Nutrient Availability and Crop Growth. *International Journal of Geography, Geology and Environment*, 4(2), pp. 235-238.

Legendijk, D. D. G. et al., 2015. Change in Mesoherbivore Browsing Is Mediated by Elephant and Hillslope Position. *PLOS One*, 10(6).

Mar, K. U., Lahdenpera, M. & Lummaa, V., 2012. Causes and Correlates of Calf Mortality in Captive Asian Elephants (*Elephas maximus*). *PLoS ONE*, 1 March.

Masha, M., Gemechu, T. & Bojago, E., 2024. GIS and remote sensing-based wildlife habitat suitability analysis for Mountain Nyala (*Tragelaphus buxtoni*) at Bale Mountains National Park, Ethiopia. *Quaternary Science Advances*, Volume 16.

Masha, M., Tadila, G. & Bojago, E., 2024. GIS and remote sensing-based wildlife habitat suitability analysis for Mountain Nyala (*Tragelaphus buxtoni*) at Bale Mountains National Park, Ethiopia. *Quaternary Science Advances*, Volume 16.

Menon, V. & Tiwari, S.Kr., 2019. Population status of Asian elephants *Elephas maximus* and key threats. *International Zoo Yearbook*, July, 53(1), pp. 17-30.

Mizoue, N., 2020. Situation and challenges on coexistence with Asian elephant in traditional forestry ecosystems of Myanmar. *Environmental Field Research*.

National Museum of Nature and Science, 2026. *Topography, Inventory of Flora and Fauna of Myanmar: A Frontier of Asian Biodiversity*. [Online] Available at: <https://www.kahaku.go.jp>.

Neupane, D. et al., 2019. Habitat use by Asian elephants: Context matters. *Global Ecology and Conservation*, Volume 17.

Nyunt, U. T. A. a. U. T., 2001. *The care and management of the domesticated Asian elephant in Myanmar*. Bangkok, Thailand, FAO Regional Office for Asia and the Pacific.

Owen-Smith, R. N., 1988. *The Influence of Very Large Body Size on Ecology*. New York: Cambridge University Bridge.

Pastorin, J. et al., 2013. A preliminary study on the impact of changing shifting cultivation practices on dry season forage for Asian Elephants in Sri Lanka. *Tropical Conservation Science*, Volume 6, pp. 770-780.

Rafaai, N. H. et al., 2025. Utilizing spatial modeling to evaluate habitat suitability and develop conservation corridors for effective conservation planning of Asian elephants (*Elephas maximus*) in Jeli, Kelantan, Malaysia. *Ecological Modelling*, Volume 502.

Rahmawaty, et al., 2023. Land characteristics and land suitability assessment for *Styrax* sp. in Humbang Hasundutan Regency, North Sumatra, Indonesia. *Heliyon*, Volume 9.

Rendana, M. et al., 2023. Habitat suitability analysis in a natural peat swamp forest on Sumatran elephants using remote sensing and GIS. *Forest Science and Technology*, 19(3), pp. 221-231.

Rigby, J., 2016. Myanmar's forests face myriad problems as logging ban continues. *MONGABAY*, 29 September.

Sharma, P. et al., 2020. Suitable habitat of wild Asian elephant in Western Terai of Nepal. *Ecology and Evolution*, 10(12), pp. 6112-6119.

- Sitompul, a. F., Griffin, C. R., Rayl, N. D. & Fuller, T. K., 2013. Spatial and Temporal Habitat Use of an Asian Elephant in. *Animals*, pp. 670-679.
- Staff, S. S. D., 2017. *Soil Survey Manual*. USDA Handbook No. 18 ed. Washington, D.C.: Government Printing Office.
- Storie, R. E., 1978. *Storie Index Soil Rating*, Berkeley, California, USA: University of California, Division of Agricultural Sciences.
- Sukoco, A., 2012. *GIS Habitat Based Models Spatial Analysis to Determine the Suitability of Habitat for Elephants (Elephas maximus sumatranus Temminck, 1847)*. Bandar Lampung, Universitas Bandar Lampung, Indonesia.
- Sukumar, R., 2003. *The Living Elephants: Evolutionary Ecology, Behaviour, and Conservation*. New York: Oxford University Press.
- Sukumar, R., 2006. A brief review of the status, distribution and biology of wild Asian elephants *Elephas maximus*. *Zoological Society of London*, 40(1), pp. 1-8.
- Swe, P. P., Htun, S. S. & Ne Win, B., 2015. 'A Comparative Study of the Physio-chemical Properties in Soil Profile Under Different Forest Types', *Leaflet No.23/2025*, Nay Pyi Taw: Forest Department, Ministry of Environmental Conservation and Forestry, The Republic of the Union of Myanmar.
- Taher, M. et al., 2021. Characteristic of habitat suitability for the Asian elephant in the fragmented Ulu Jelai Forest Reserve, Peninsular Malaysia. *Tropical Ecology*, 62(3), p. 509–521.
- Thant, Z. M. et al., 2023. Factors influencing the habitat suitability of wild Asian elephants and their implications for human–elephant conflict in Myanmar. *Global Ecology and Conservation*, Volume 43.
- Vancuylenberg, B., 1977. Feeding behaviour of the asiatic elephant in South-East Sri Lanka in relation to conservation. *Biological Conservation*, 12(1), pp. 33-54.
- Wadey, J. et al., 2018. Why did the elephant cross the road? The complex response of wild elephants to a major road in Peninsular Malaysia. *Biological Conservation*, Volume 218, pp. 91-98.
- Wall, Jake, D.-. H., Iain, V. & Fritz, 2006. Elephants avoid costly mountaineering. *Journal of Animal Ecology*, 75(4), pp. 999-1006.
- Wall, J., Doughlas_hamilton, L. & Vollrath, F., 2006. Elephants avoid costly mountaineering. *Biological Letters*, 2(4), pp. 507-509.

Wang, J. et al., 2025. Multi-scale habitat selection and constraints of a small Asian elephant population in Yunnan Nangunhe National Nature Reserve, China. *Global Ecology and Conservation*.

Williams, C. T. S. G. V. d. S. S. K. A. B. N. Y. K. & Meon, V., 2020. *Elephas maximus*, *Asian Elephant*, s.l.: International Union for Conservation of Nature (IUCN).

Wilson, G. et al., 2021. Between a rock and a hard place: rugged terrain features and human disturbance affect behaviour and habitat use of Sumatran elephants in Aceh, Sumatra, Indonesia. *Biodiversity and Conservation*, Volume 30, pp. 597-618.

Withanage, W. et al., 2023. Indexing habitat suitability and human-elephant conflicts using GIS-MCDA in a human-dominated landscape. *Geography and Sustainability*, Volume 4, p. 343–355.

Zin May Oo & Thin Lai Lai Thein, 2024. *Estimation of Annual Deforestation Using Random Forest*. Yangon, IEEE.