

Daily Activity Budget of Nicobar Long-tailed Macaque (*Macaca fascicularis umbrosa*) in Great Nicobar Island, India

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ABSTRACT:

Nicobar long-tailed macaques (*Macaca fascicularis umbrosa* Miller, 1902) are distributed in three Islands of Nicobar namely Great Nicobar, Little Nicobar and Katchal. Their insular population requires special attention from research and management perspectives. Daily activity budget of *M.f. umbrosa* in the Great Nicobar Island was studied from October 2011 to September 2013 by intensive direct observation method. Study revealed that Nicobar long-tailed macaque, undergoes most of the time for Locomotion (36.07%), followed by feeding (22.35%), resting or being inactive (15.74%), grooming (11.14%), vocalization (7.03%), playing (5.64%), sexual arousal (1.46%) and agonistic (0.56%). All daily activities have significant difference ($\chi^2 = 1156.22$; $df = 7$, $P = 0.05$). Chi-square test demonstrated that the daily activity budget differed significantly among the behaviours. Qualitative results found that the interaction within the group was fighting and grabbing food. The significant observation of disability in their legs was noticed in Nicobar Long-tailed Macaque. The relation between their behaviour and disability is also discussed.

Keywords:

Macaca fascicularis umbrosa, Daily activity budget, Great Nicobar Island.