

Dr. P. THIRUCHENTHIL NATHAN

Associate Professor in Zoology
Periyar University, Salem-636011, Tamil Nadu



Ph.D.(Zoology): Behaviour of Indian short-nosed fruit bat *Cynopterus sphinx* : Field and sminaturalistic ethological studies

SLET in Zoology at Bharadhidasan University for Lectureship in Tamil Nadu on 1997

Projects Completed:

DBT- Postdoctoral Fellowship: Biodiversity of fruit bats in southern Western ghats and their role in pollination August 2002 to July 2004

DST-Young Scientist: Acoustic monitoring of bats and their role in control of agricultural pests December 2004 to November 2007

Projects undergoing:

UGC MRP: Food localization and foraging of echolocating and non echolocating fruit bats and their role in pollination and seed dispersal

PUBLISHED RESEARCH ARTICLES/ PAPERS/BOOKS

1. **P. T. Nathan, V.Mahandran and K. Sripathi (2012) Bat conservation, *Current science*, 103(10):1142-43**

2. Ganesh, A., H. Raghuram, **P.T. Nathan**, G. Marimuthu, K.E. Rajan (2010) Distress Call induced gene expression in the brain of Indian short-nosed fruit bat, *Cynopterus sphinx*. *Journal of Comparative Physiology A*. 196(2): 155-164.
3. **P. T. Nathan**, T. Karuppudurai, H. Raghuram, G. Marimuthu (2009) Bat foraging and pollination in *Madhuca latifolia* in southern India, *ACTA Chiropterologica*, 11(2): 435-441
4. K. Sripathi, H. Raghuram, **P. T. Nathan** (2006) Echolocation sounds of *Kerivoula picta* (Vespertilionidae). *Current Science*, 91 (9) : 1145-47
5. H. Raghuram, Balaji, C, **P. T. Nathan** and K. Sripathi (2006) Sex ratio, population structure and roost fidelity in a free-ranging colony of Indian false vampire bat, *Megaderma lyra*. *Current Science*, 91(7): 965 – 68
6. N. Gopukumar, , T. Karuppudurai, **P. T. Nathan**, K. Sripathi, G. Arivarignan and J. Balasingh (2005) Solitary Adult Males in a polygynous-mating bat (*Cynopterus sphinx*): A forced option or a strategy? *Journal of Mammalogy*, 86(2): 281-286
7. **Nathan, P. T.**, H. Raghuram, V. Elangovan, T. Karuppudurai and G. Marimuthu (2005) Bat pollination of kapok tree, *Ceiba pentandra*. *Current Science*, 88(10): 1679-81
8. Suthakar Isaac, S., J. Balasingh, **P. T. Nathan** (2005) Interactions between bats and plant species, *Prosopis juliflora*. *Bat Net – CCINSA News letter*, 6 (2): 4
9. Isaac, S. S., J. Balasingh, **P. T. Nathan**, D. P. Doss, M. R. Sudhakaran, T. H. Kunz (2003) An improved, beaded, polymer necklace for marking bats. *Bat Research News*, 44(3): 87 – 89
10. Gopukumar, N., **P. T. Nathan**, P. S. Doss, A. Prakash, K. Emmanuel, J. Balasingh, G. Marimuthu, T. H. Kunz(2003)Early ontogeny of foraging behaviour in the Short-nosed fruit bat *Cynopterus sphinx*(Megachiroptera): preliminary results. *Mammalia* (67) 1: 139 – 145
11. **Nathan, P. T.**, D. P. Swami Doss, S. S. Isaac, J. Balasingh, K. Emmanuel Rajan, N. Gopukumar Nair, R. Subbaraj (2002) Mist-net capture and field observations on the short-nosed fruit bat *Cynopterus sphinx*.*Journal of Bombay Natural History Society* 98(3): 373 - 378
12. Storz, J. F., J. Balasingh, H. R. Bhat, **P. T. Nathan**, D. Paramanantha Swami Doss, A. Anthony Prakash, T. H. Kunz (2001) Clinal variation in body size and sexual dimorphism in an Indian fruit bat, *Cynopterus sphinx* (Chiroptera: Pteropodidae). *Biological Journal of the Linnean Society* 72: 17-31
13. Ruby, J., **P. T. Nathan**, J. Balasingh, T. H. Kunz (2000) Chemical composition of fruits and leaves eaten by short-nosed fruit bat, *Cynopterus sphinx*. *Journal of Chemical Ecology* 26(12): 2825-2841

