

Curriculum Vitae

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EDUCATION

2002 PhD. Zoology, Aberdeen University, UK with Prof. Paul Racey.
1997 MSc. Forest Biology, Kasetsart, Thailand.
1993 BSc. Forestry, Kasetsart University, Thailand.

APPOINTMENTS

2006 – present, Assistant Professor, Dept of Biology, Prince of Songkla University.
1995 – 2005 lecturer, Department of Biology, Prince of Songkla University.

AWARD RECEIVED

The outstanding young lecturer of Science Faculty 2007, The outstanding young lecturer of Prince of Songkla University 2007.

Spellazani Award 2010 from the North American Society for Bat Research

My interests.

I focus on ecosystem service by fruit-eating bats and insect-eating bats. We have done number of research projects on pollination services of bats in mangrove, as well in farm land. In addition, we found a significant role of bats in paddy field as pest control agents. We will focus more on public education for those farmers nearby to bat caves.

PUBLICATIONS

1. CEN Diego, AB Stewart, **S Bumrungsri**. 2020. Pollinators necessary for the reproductive success of critically endangered mangrove, *Sonneratia griffithii*. Aquatic Botany, 103340
2. T Katunzi, P Soisook, PW Webala, KN Armstrong, **S Bumrungsri**. 2020. Bat activity and species richness in different land-use types in and around Chome Nature Forest Reserve, Tanzania. African Journal of Ecology (online early)

3. P Khandu, GA Gale, K Kinley, T Tandin, S Shimano, **S Bumrungsri**. 2020. Daily roosting behaviour of the critically endangered White-bellied Heron *Ardea insignis* as a function of day length. *Biological Rhythm Research*, 1-11
4. Julien Cappelle, Thavry Hoem, Vibol Hul, Neil Furey, Kunthy Nguon, Steven Prigent, Liane Dupon, Sreymom Ken, Chhoeuth Neung, Visal Hok, Long Pring, Thona Lim, **Sara Bumrungsri**, Raphaël Duboz, Philippe Buchy, Sowath Ly, Veasna Duong, Arnaud Tarantola, Aurélie Binot, Philippe Dussart. 2020. Nipah virus circulation at human–bat interfaces, Cambodia. *Bulletin of the World Health Organization* 98 (8), 539
5. T Khotpathoom, TT Vu, N Bhumpakphan, R Sukmasuang, **S Bumrungsri**. 2020. Using radiotelemetry to identify the home range and daily movement of a “living fossil”: the Laotian rock rat (*Laonastes aenigmamus*). *Mammalian Biology* 100 (4), 377-384
6. V Saksongmuang, T Miyashita, T Maneerat, **S Bumrungsri**. 2020. Population dynamics and prey composition of Tetragnatha spiders (Araneae: Tetragnathidae) in semi-organic rice fields, Songkhla Province, southern Thailand. *Songklanakarin Journal of Science & Technology* 42 (4)
7. Katrine Hansen, Tuanjit Sritongchuay, **Sara Bumrungsri**, Benno I Simmons, Niels Strange, Bo Dalsgaard. 2020. Landscape-Level Effects of Forest on Pollinators and Fruit Set of Guava (*Psidium guajava* L.) in Orchards across Southern Thailand. *Diversity* 12 (6), 259
8. N Nattharom, S Roongtawanreongsri, **S Bumrungsri**. 2020. Growth prediction for rubber tree and intercropped forest trees to facilitate environmental services valuation in South Thailand. *Biodiversitas Journal of Biological Diversity* 21 (5)
9. P Khandu, GA Gale, R Pradhan, IP Acharja, **S Bumrungsri**. 2020. First record of successful breeding of the critically endangered white-bellied heron (*Ardea insignis*) in broadleaved trees. *Journal of Animal and Plant Sciences* 30 (2), 502-507
10. P Khandu, GA Gale, **S Bumrungsri**. 2020. Foraging activity patterns of critically endangered white-bellied herons (*Ardea insignis*) in Punatsangchu and Mangdechu river basins of Bhutan. *Annual Report of Pro Natura Foundation Japan* 29, 359-372
11. Eleanor Warren-Thomas, Luke Nelson, Watinee Juthong, **Sara Bumrungsri**, Oskar Brattström, Laetitia Stroesser, Bénédicte Chambon, Éric Penot, Uraiwan Tongkaemkaew, David P Edwards, Paul M Dolman. 2020. Rubber agroforestry in Thailand provides some biodiversity benefits without reducing yields. *Journal of Applied Ecology* 57 (1), 17-30

12. CC Voigt, K Kravchenko, F Liechti, S **Bumrungsri**. 2019. Skyrocketing flights as a previously unrecognized behaviour of open-space foraging bats. *Acta Chiropterologica* 21 (2), 331-339
13. T Sritongchuay, AC Hughes, J Memmott, S **Bumrungsri**. 2019. Forest proximity and lowland mosaic increase robustness of tropical pollination networks in mixed fruit orchards. *Landscape and Urban Planning* 192, 103646
14. CEN Diego, AB Stewart, S **Bumrungsri**. 2019. Pollinators Increase Reproductive Success of a Self-Compatible Mangrove, *Sonneratia ovata*, in Southern Thailand. *Tropical Natural History* 19 (2), 88-102
15. Jawanit Kittitornkool, Pramote Kaewwongsri, Pakarmart Tongkam, **Sara Bumrungsri**, Prakart Sawangchote. 2019. Livelihoods of small-scalerubberfarmers: A comparative study of rubber agroforestry systems and monocropping rubber plots in Southern Thailand. *Kasetsart Journal of Social Sciences* 40(2): 420-426
16. Piyaporn Suksai, **Sara Bumrungsri**. 2019. Water bodies are a critical foraging habitat for insectivorous bats in tropical agricultural landscapes of central Thailand. *Songklanakarin Journal of Science and Technology* 42: 521-532.
17. Christian C Voigt, **Sara Bumrungsri**, Manuel Roeleke. 2019. Rapid descent flight by a molossid bat (*Chaerephon plicatus*) returning to its cave. *Mammalian Biology* 95:15-17.
18. Tuanjit Sritongchuay, Alice C Hughes, **Bumrungsri, S.** 2019. The role of bats in pollination networks is influenced by landscape structure. *Global Ecology and Conservation* 20: e00702
19. David Costantini, Gábor Á Cziráj, Paco Bustamante, **Bumrungsri, S.**, Christian C Voigt. 2019. Impacts of land use on an insectivorous tropical bat: The importance of mercury, physiology and trophic position. *Science of The Total Environment* 671: 1077-1085.
20. Nutjarin Petkliang, George A Gale, Dianne H Brunton, **Bumrungsri, S.** 2019. Geographical variation in breeding chronology of German's swiftlet (*Aerodramus inexpectatus germani*) in southern Thailand. *Pacific Conservation Biology* 25: 174-183.
21. Tuan N Nguyen, Anop Ruangwiset, **Bumrungsri, S.** 2019. Vertical stratification in foraging activity of *Chaerephon plicatus* (Molossidae, Chiroptera) in Central Thailand. *Mammalian Biology* 96:1-6.

22. Kantima Thongjued, Wilaiwan Chotigeat, **Bumrungsri, S.**, Phuvadol Thanakiatkrai, Thitika Kitpipit 2019. A new cost-effective and fast direct PCR protocol for insects based on PBS buffer. *Molecular ecology resources* 19: 91-701.
23. Nittaya Ruadreo, Christian C Voigt, **Bumrungsri, S.** 2019. Large dietary niche overlap of sympatric open-space foraging bats revealed by carbon and nitrogen stable isotopes. *Acta Chiropterologica* 20: 329-341.
24. Supawan Srilopan, Sopark Jantarit, and **Bumrungsri, S.** 2018. The wrinkle-lipped free-tailed bat (*Chaerephon plicatus* Buchanan, 1800) feed mainly on brown planthopper in rice field, central Thailand. *Acta Chiropterologica* 20: 207-219.
25. Alyssa B Stewart, Tuanjit Sritongchuay, Piyakarn Teartisup, Sakonwan Kaewsomboon, **Bumrungsri, S.** 2018. Habitat and landscape factors influence pollinators in a tropical megacity, Bangkok, Thailand. *PeerJ* 6: e5335.
26. Wayo, K., Phankaew, C., Stewart, A. and **Bumrungsri, S.** 2018. Bees are supplementary pollinators of self-compatible chiropterophilous durian. *Journal of Tropical Ecology* 34: 41-52.
27. Salema, C., Gale, G. and **Bumrungsri, S.** 2018. Nest-site selection by Common Green Magpie (*Cissa chinensis*) in a tropical dry evergreen forest, northeast Thailand. *The Wilson Journal of Ornithology* 130(1): 256-261.
28. Dhungana, R., Savini, T., Karki, J., Dhakal, M., Lamichhane, B. and **Bumrungsri, S.** 2017. Living with tigers *Panthera tigris*: Patterns, correlates, and contexts of human-tiger conflict in Chitwan National Park, Nepal; *Oryx* 52: 55-65.
29. Roeleke, M., **Bumrungsri, S.** and Voigt, C. 2017. Bats probe the aerosphere during landscape-guided altitudinal flights. *Mammal Review* 48: 7-11.
30. Petkliang, N., Gale, G., Brunton, D. and **Bumrungsri, S.** 2017. Wetland, Forest, and Open Paddy Land Are the Key Foraging Habitats for Germain's Swiftlet (*Aerodramus inexpectatus germani*) in Southern Thailand. *Tropical Conservation Science* 10: 1-12.
31. Sritongchuay, T. and **Bumrungsri, S.** 2017. Effects of forest proximity on fruit set and visitor body size of *Sandoricum koetjape* (Burm.f.) Merr. in Southern Thailand. *Malayan Nature Journal* 69: 91-98.
32. Srilopan, S., Jantarit, S. and **Bumrungsri, S.** 2017. The wrinkle-lipped free-tailed bat (*Chaerephon plicatus* Buchanan, 1800) feeds mainly on brown planthoppers in rice fields of central Thailand. *Acta Chiropterologica*, accepted paper.

33. Saksongmuang, V., Mayashita, T., Maneerat, T. and **Bumrungsri, S.** 2017. Population dynamics and prey composition of Tetragnatha spiders (Araneae: Tetragnathidae) in rice field of southern Thailand. The Journal Applied Entomology and Zoology, accepted paper.
34. Kaewsaro, K., Nuanplab, S., **Bumrungsri, S.** and Khuituan, P. 2017. Furosemide suppresses ileal and colonic contractility via interactions with GABA-A receptor in mice. Clinical and Experimental Pharmacology and Physiology 44: 1155-1165.
35. เจนจิรา พึ่งจันทิก, วิจักขณ์ ฉิมโฉม, ธาระ บำรุงศรี และสมชาย พลเยี่ยม. 2016. ระบบการสืบพันธุ์ของค้างคาวหน้ายักษ์สามเล็บ (*Hipposideros larvatus* (HORSFIELD, 1823)); วารสารสัตว์ป่าเมืองไทย 23: 11-19.
36. Petcharad, B., Miyashita, T., Gale, G., Sothibandhu, S. and **Bumrungsri, S.** 2016. Spatial patterns and environmental determinants of community composition of web-building spiders in understory across edges between rubber plantations and forests. Journal of Arachnology 44: 182-193.
37. Ith, S., **Bumrungsri, S.**, Thomas, N., Bates, P., Willette, D., Khan, F., Wonglapsuwan, M., Soisook, P., Maryanto, I., Huang, J. and Furey, N. 2016. Geographical Variation of *Rhinolophus affinis* (Chiroptera: Rhinolophidae) in the Sundaic Subregion of Southeast Asia, including the Malay Peninsula, Borneo and Sumatra. Acta Chiropterologica 18: 141-161.
38. Soisook, P., Karapan, S., Srikrachang, M., Dejaradol, A., Nualcharoen, K., **Bumrungsri, S.**, Oo, S., Aung, M., Bates, P., Harutyunyan, M., Bus, M. and Bogdanowicz, W. Hill Forest Dweller: A New Cryptic Species of *Rhinolophus* in the 'pusillus Group' (Chiroptera: Rhinolophidae) from Thailand and Lao PDR 2016. Acta Chiropterologica 18: 117-139.
39. Sritongchuay, T., Kremen, C. and **Bumrungsri, S.** 2016. Effects of forest and cave proximity on fruit set of tree crops in tropical orchards in Southern Thailand. Journal of Tropical Ecology 32: 269-279.
40. Maas, B., Karp, D., **Bumrungsri, S.**, Darras, K., Gonthier, D., Huang, J., Lindell, C., Maine, J., Mestre, L., Michel, N., Morrison, E., Perfecto, I., Philpott, S., Sekercioglu, C., Silva, R., Taylor, P., Tschamtker, T., Van Bael, S., Whelan, C. and Williams-guillen, K. 2016. Bird and bat predation services in tropical forests and agroforestry landscapes. Biological Reviews 91: 1081-1101.
41. Pushpa, A., Racey, P., Sothibandhu, S. and **Bumrungsri, S.** 2015. Home-Range and Foraging Areas of the Dawn Bat *Eonycteris spelaea* in Agricultural Areas of Thailand. Acta Chiropterologica 17: 307-319.

42. Acharya, P., Racey, P., Sotthibandhu, S. and **Bumrungsri, S.** 2015. FEEDING BEHAVIOUR OF THE DAWN BAT (*EONYCTERIS SPELAEA*) PROMOTES CROSS POLLINATION OF ECONOMICALLY IMPORTANT PLANTS IN SOUTHEAST ASIA. *Journal of Pollination Ecology* 15: 44-50.
43. Acharya, P., Racey, P., Mcneil, D., Sotthibandhu, S. and **Bumrungsri, S.** 2015. Timing of Cave Emergence and Return in the Dawn Bat (*Eonycteris spelaea*, Chiroptera: Pteropodidae) in Southern Thailand. *Mammal Study* 40: 47-52.
44. Ith, S., **Bumrungsri, S.**, Furey, N., Bates, P., Wonglapsuwan, M., Khan, F., Thong, V., Soisook, P., Satasook, C. and Thomas, N. 2015. Taxonomic implications of geographical variation in *Rhinolophus affinis* (Chiroptera: Rhinolophidae) in mainland Southeast Asia. *ZOOLOGICAL STUDIES* 54: 31.
45. Cheaha, D., **Bumrungsri, S.**, Chatpun, S. and Kumarnsit, E. 2015. Characterization of in utero valproic acid mouse model of autism by local field potential in the hippocampus and the olfactory bulb. *Neuroscience Research* 98: 28-34.
46. Sanamxay, D., Douangboubpha, B., **Bumrungsri, S.**, Satasook, C. and Bates, P. 2015. A summary of the taxonomy and distribution of the red giant flying squirrel, *Petaurista petaurista* (Sciuridae, Sciurinae, Pteromyini), in mainland Southeast Asia with the first record from Lao LAO 2015. *Mammalia* 79: 305-314.