

UC Davis

UC Davis Previously Published Works

Title

Considerations for Human and Non-human Primate Coexistence

Permalink

<https://escholarship.org/uc/item/54w1z0wd>

Author

Buyukmihci, NC

Publication Date

2024-09-18

Peer reviewed

Considerations for Human and Non-human Primate Coexistence¹

As human beings expand into and destroy natural habitat, there is a concomitant increase in interactions with non-human primates. Historically, this has been defined as 'conflicts', a pejorative term that is based on an anthropocentric view of the issue. It is important to understand, however, that *activities by non-human primates considered undesirable by people are not the result of purposeful behaviour against people*. The non-human primates are only trying to survive in an increasingly diminishing and hostile environment due to human activity. They are not 'crop raiding' nor are they 'competing'; rather, they are being forced to overcome their innate fear of people in order to survive by foraging on whatever is available. Our language, therefore, should not only be free of negativity and be sensitive to the plight of the non-human primates, it should also imbue a sense of hope and optimism for resolution that emphasises the interests of all concerned.

Interactions between people and non-human primates arise primarily due to human population growth and an ever-increasing expansion into and destruction of wildlife habitat². This continues despite a growing awareness of the importance of the natural world not only for wildlife, but also for the future of the human species. In an effort to resolve unfavourable interactions, people will often use methods that are inhumane and ineffective, such as the killing of individual non-human primates. Although this may provide a short-term reduction in numbers, it is cruel and fails to address the issue over a longer period of time³. The large scale trapping and exportation of monkeys for the food and research-toxicity testing industries is also inhumane. Moreover, this has been shown to be largely ineffectual in reducing damage to human property and crops or in reducing the number of individuals long-term. For example, despite the trapping and exportation for research of 10,000 vervet monkeys over a 14 year period in Barbados, this did not have the desired effect of reducing crop foraging, as the population of monkeys remained stable due to the species' high breeding rate⁴. On the other hand, humane methods of population control can provide a long term resolution to issues such as crop foraging, urban intrusion and aggression towards human beings⁵.

Complicating this issue is the mistaken belief that free-living ("wild") monkeys are a threat to human health due to transmission of diseases. There is considerable misinformation about what diseases monkeys carry and which might be transmissible to human beings. There is very little likelihood that free-living monkeys could transmit any disease to human beings, *unless there is close contact with individuals who have become highly stressed as a result of trapping or similar human intrusions*⁶. It is more likely that they would become ill from humans, either from direct contact or as a result of human activities, rather than the reverse⁷.

The tourism industry, which brings people into close contact with non-human primates, is far from benign with respect to its impact⁸.

1 Nedim C Buyukmihci, V.M.D., Emeritus Professor of Veterinary Medicine, University of California-Davis; Copyright,© 2024 Nedim C Buyukmihci; contact: ncbuyukmihci@ucdavis.edu.

This is a brief review of the subject. It is my hope that people will recognise and accept their responsibility with respect to unfavourable interactions with free-living non-human primates, and make a commitment to use only non-lethal methods of resolution.

2 [Barua 2009](#); [Dittus et al 2019](#); [Francés et al 2022](#); [Hardwick et al 2017](#); [Hill 2017](#); [Kifle & Beehner 2022](#); [Koirala et al 2022](#); [Lappan & Ruppert 2019](#); [McKinney et al 2023](#); [Parathian & Maldonado 2010](#); [Priston & McLennan 2013](#); [Shano et al 2021](#); [Sharma 2016](#); [Strum 2010](#)

3 [Siong 2016](#)

4 [Boulton et al 1996](#); [Horrocks & Baulu 1988](#)

5 [Dittus et al 2019](#); [Hill & Wallace 2012](#); [Saeki 2011](#); [Shek 2012](#); [Wallace & Hill 2016](#)

6 [Centers for Disease Control and Prevention 2016](#); [Lee et al 2015](#); [Lempang et al 2022](#); [van de Straat et al 2022](#)

7 [Afonso et al 2021](#); [Balasubramaniam et al 2022](#); [de Oliveira et al 2021](#); [Kuthyar et al 2020](#); [Leith et al 2020](#); [Molyneaux et al 2022](#); [Nandi et al 2021](#); [Wilson et al 2022](#)

8 [ABP News Bureau 2022](#); [Afonso et al 2021](#); [Badiella-Giménez et al 2021](#); [Boumenir et al 2022](#); [Chen et al 2021](#); [Cui et al 2021](#); [Davila-Ross et al 2022](#); [Molyneaux et al 2022](#); [Sengupta & Radhakrishna 2020](#); ...2

Because the long-tailed macaque (*Macaca fascicularis*) is widely persecuted due to negative interactions with people, it is important to consider its situation specifically. It is a protected species under Appendix II on CITES (Convention on the International Trade in Endangered Species, Fauna & Flora), and is important to biodiversity. A global assessment of the species by the International Union for Conservation of Nature's (IUCN) Red List of Endangered Species, the world's most comprehensive inventory of the global conservation status of biological species, was done in 2022⁹. As a result, the status of the species has been increased to **Endangered**. The IUCN assessment – Endangered A3cd – is based on the current degree of exploitation of the species, including national and international trade, hunting, capture for 'pet' trade, and killing due to negative interactions with people. These, together with ongoing habitat destruction, have contributed to the alarming decline in populations. If something is not done now to change the trend, it is expected that the species will be on the verge of extinction within the foreseeable future.

Although there is no easy solution to the problem of negative interactions with people, a continued commitment by the relevant authorities will be essential in developing a plan that works, is humane and is sustainable. A multi-prong approach is likely to yield the best results. Here are some of the most important measures to consider, bearing in mind that variables such as geographic location, human cultural issues, time of year and species of non-human primate may be important factors in whether a method is successful:

- **Sterilisation.** This should only be used for finite situations, not as a strategy for overall management. Further, it should be understood that sterilisation will take time to reduce the number of monkeys in order to result in reduced interactions. Because of this, people would still have to do what they could to discourage monkeys from causing problems (see later). It is, however, an effective long-term solution that would ensure that fewer and fewer monkeys would be involved over time. It is increasingly being used by authorities who recognize its importance to humanely and effectively provide long-term resolution¹⁰.

As for the method of sterilisation, because the monkeys are completely free-living, the most effective method would be to remove the ovaries (ovariectomy) of females, tie off their Fallopian tubes (tubal ligation) or remove part of the Fallopian tubes (salpingectomy)¹¹. Although these are somewhat difficult surgeries, once done, they would ensure that the female would not be able to reproduce. Tubal ligation or salpingectomy may be better than ovariectomy because the female will go into oestrus and mate essentially normally and, perhaps, somewhat reduce the chance of males mating with those who are not yet operated. The drugs needed for sterilising the females are not particularly expensive, a combination of ketamine and xylazine being a good one because of its ease of administration.

Another way to sterilise females (and males) is the use of chemical or similar sterilants. One is GonaCon™, a gonadotropin-releasing hormone immunocontraceptive vaccine developed by USDA-APHIS-Wildlife Services¹². It has been shown to be effective in a variety of species. There is some evidence that it

[...1 Wenner 2007](#)

9 [Hansen et al 2022](#)

10 [AFP 2012](#); [Anon 2011](#), [2016](#), [2023](#); [Bunluesilp 2009](#); [Giraud et al 2021](#); [isantraveller 2016](#); [leah 2022](#); [Nelson 2013](#); [Phuket News 2023](#); [Reddy & Chander 2016](#); [Saeki 2011](#); [Staff Writer 2009](#); [Sullivan 2020](#); [Thakur & Sharma 2017](#); [Vishnoi 2013](#)

11 [Deleuze et al 2021](#); [Lacitignola et al 2022](#); [Yu et al 2015](#)

12 [USDA-APHIS-Wildlife Services 2017](#)

may be effective in non-human primates¹³. Research in horses suggests that a second dose of the vaccine may increase effectiveness¹⁴. Another form of chemical castration involves injection into the testes while the individual is under anaesthesia¹⁵. Surgical castration has been shown to be effective and without negative consequences¹⁶.

The use of a contraceptive loop inserted into the uterus has also been tried¹⁷. The developers are waiting to see if it is successful in preventing pregnancies.

Reversible Inhibition of Sperm Under Guidance (RISUG) contraceptive was developed for human males, but is being advocated for use in non-human primates¹⁸. It appears to provide lifelong sterilisation.

Suprelorin has been used in baboons to provide a safe, effective means of sterilisation¹⁹.

Contraceptives such as medroxyprogesterone acetate not only have an effect on the females, they appear to signal lack of fertility to males²⁰. This situation might be exploited to develop a non-invasive, olfactory means of deterring reproduction.

As with any sterilisation procedure, a method of permanently marking the animal who has been done has to be instituted in order to prevent duplicative efforts. Also, if a method that has to be repeated for continued effectiveness is used, such as a vaccine, a means of identifying the animals based on when they were done has to be developed in order to know not only that an individual has been done, but also when it is time to re-apply the method.

Although easier to do, sterilising the males will be less effective than doing the females, whether surgically or with vaccine, as it will only take one fertile male to impregnate perhaps several dozen females. Even if the alpha or other high-ranking males in a troop are done, lower ranking individuals may still impregnate females. Nevertheless, vasectomies can be effective²¹ as long as all males are done.

A review of contraceptive methods used specifically on long-tailed macaques is available²².

- **Preventive measures.** There are preventative measures that can be taken to reduce or avoid unfavourable interactions with monkeys in urban or other areas. Educating residents to make small changes to their lifestyle will be necessary. Monkey-proofing their trash receptacles²³ and deterring entry into their homes through the use of suitable window screening are essential. Food or garbage must not be allowed to accumulate anywhere the monkeys can have access to it²⁴. A systematic method of

13 [Dascanio et al 2014](#)

14 [Baker et al 2018](#)

15 [Karuppannan et al 2013](#)

16 [Buyukmihci 2022](#)

17 [Senaratne 2024](#)

18 [Adak 2019](#)

19 [Taberer et al 2022](#)

20 [Crawford et al 2011](#)

21 [Rummel et al 2024](#)

22 [Mikail et al 2023](#)

23 [Mazue et al 2023](#); [Peralta 2016](#)

24 [Anon 2014](#)

scaring away the animals, by using unnatural sounds or the sounds of their predators, or other methods should be instituted and vigorously used every time there is an intrusion. For example, in some communities, specific people are assigned the duty of scaring and chasing away monkeys from residential or other areas so that a consistent message is sent to the monkeys²⁵. The same principle can be used for deterring crop foraging²⁶. In some cases, dogs have been used successfully to deter crop foraging²⁷ or entering areas of human habitation²⁸. It has been alleged that spreading chicken manure along access pathways will have a deterring effect²⁹. Solar powered electric fencing can be economical and effective in reducing access to crops³⁰. Another strategy involves the use of laser pointers³¹ or taste aversion³².

Although visual deterrents such as 'scarecrows' are often quickly ignored by the monkeys, a Saudi farmer has found that a large toy in the shape of a predator can be effective³³. He used a tiger toy, in combination with an occasional 'tiger roar' and changing the position and location of the toy. He claimed that this has kept baboons out of his crops for many years.

It is essential that people involved with management methods understand that adverse interactions between wild animals such as monkeys and people are usually due to inappropriate behaviour on the part of human beings, not the other animals. Feeding of non-human primates (anthropogenic food) is a major problem that is complicated by various human societal aspects ranging from cultural traditions to improving mental health through interactions with the non-human primates³⁴. Because of the importance of this issue with respect to initiating and enhancing unfavourable interactions, some authorities and others have instituted bans on feeding³⁵. Wild animals are typically fearful of human beings. If, however, people feed or in any way tolerate or encourage the presence of the animals, the animals become less fearful. Feeding can also make the monkeys reliant on a human food source, causing them to spend less time foraging for natural sources of food as well as other problems³⁶. It is critical, therefore, that the public and residents be taught that no encouragement of any kind should be allowed, that cultural or self-interest aspects need to be set aside if unfavourable interactions are to be avoided. This not only includes feeding or easily-available food sources, but also attempts at being 'friendly' with the monkeys.

- **Coexistence.** In addition to the above, careful consideration of all the issues may lead to discoveries that allow for reasonable coexistence³⁷. For example, in Indonesia, it was found that monkeys and human beings depended on the same native tree and that cultivation of this tree might not only help the ecosystem, it might

25 [Anon 2008](#); [van Doorn & O'Riain 2020](#)

26 [Hill & Wallace 2012](#); [Kaplan et al 2011](#); [Wallace & Hill 2016](#)

27 [Anon 2010](#); [Anon 2020](#)

28 [Anon 2020](#)

29 [Springer 2020](#)

30 [Bisht 2015](#)

31 [Anon 2017](#)

32 [Pebsworth & Radhakrishna 2020](#)

33 [Salama 2021](#)

34 [ABP News Bureau 2022](#); [Barua et al 2021](#); [Leca et al 2021](#); [Mansell & McKinney 2021](#); [Muehlenbein et al 2021](#); [Sengupta & Radhakrishna 2018,2020](#)

35 [Anon 2009-03-23,2009-05-10,2018-02-14,2019-08-21](#); [Gilhooly et al 2021](#); [Tan 2020](#)

36 [Mohd-Daut et al 2021](#); [Sha & Hanya 2013](#)

37 [Dittus et al 2019](#); [McLennan et al 2017](#); [Pebsworth & Radhakrishna 2021](#)

result in a reduction in crop foraging³⁸. In South Africa, crop-foraging baboons could be deterred by planting crops specifically for them some distance from the farm³⁹. A similar strategy of buffer crops has been proposed in Nepal⁴⁰. Moving crops away from forest habitat may be effective⁴¹.

Steps can be taken to reduce the negative and often fatal impact of human developments on non-human primates. Roads are a major source of injuries and fatalities when they cause fragmentation of habitat. The December 2022 issue of *Folia Primatologica* is a special issue on various forms of habitat fragmentation mitigation, such as using various bridges for non-human primates to cross over roads⁴².

- **Trapping and relocation.** Success with this approach depends on having suitable habitat located a sufficient distance away to deter the monkeys from simply returning to the original site. There is no distance that has been shown to ensure their not returning, but perhaps a location at least several kilometres away might be helpful. The area to which the monkeys are to be re-homed would not only have to be suitable for them in terms of food and shelter, it would also have to be free of other similar monkeys, or else they or the other monkeys will simply be chased away. Such a translocation of monkeys took place in India in 1997, when 600 rhesus macaques were successfully moved to different sites following an increase in monkey-human interactions⁴³.

Other sources of additional information are available. The People and Wildlife Initiative⁴⁴ is a communications forum for human-wildlife coexistence issues and innovative solutions. The IUCN SSC Human-Wildlife Conflict & Coexistence Specialist Group provides specific and general information⁴⁵. The Ministry of Environment and National Beautification, Barbados, has published a reasonably comprehensive review and assessment of various methods of resolution⁴⁶. The Jane Goodall Institute has put together a detailed program on co-existence solutions for long-tailed macaques specifically⁴⁷ as has the National Parks Board in Singapore⁴⁸.

Cited information:

1. ABP News Bureau 2022-11-28 "Thailand's Monkey Feast Festival, A Unique Attraction In Lopburi — See Pics" ABP <https://news.abplive.com/photo-gallery/news/world-thailand-s-monkey-feast-festival-a-unique-attraction-in-lopburi-see-pics-1566142> Accessed 2022-12-19
2. Adak, Baishali 2019-04-27 "In injectable contraceptive, forest dept finds a solution to control monkey menace" Hindustan Times <https://www.hindustantimes.com/delhi-news/in-injectable-contraceptive-forest-dept-finds-a-solution-to-control-monkey-menace/story-olw54Nso7iHcT8spcayXaP.html> Accessed 2019-05-27
3. Afonso, Eve; Fu, Rong; Dupaix, Amaël; Goydadin, Anne-Claude; Yu, ZhongHua;

38 [Riley & Fuentes 2011](#)

39 [Kaplan et al 2011](#)

40 [Koirala et al 2021](#)

41 [Anand et al 2021](#); [Rundus et al 2022](#)

42 [Folia Primatologica 2022](#)

43 [Imam et al 2002](#)

44 [WCRU 2021](#)

45 [IUCN 2022](#)

46 [Springer 2020](#)

47 [Jane Goodall Institute 2022](#)

48 [Loo 2022](#)

- Callou, Cécile; Villette, Petra; Giraudoux, Patrick and Li, Li 2021-08-04 "Feeding sites promoting wildlife-related tourism might highly expose the endangered Yunnan snub-nosed monkey (*Rhinopithecus bieti*) to parasite transmission" *Scientific Reports* 11(1):15817 <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc8339071/>
4. AFP 2012-07-31 "Hong Kong has praised the success of its primate birth control program" *News.com.au* <https://www.news.com.au/world/hong-kong-has-praised-the-success-of-its-primate-birth-control-program/news-story/2f0ff965b563b80ef22f9c4996de080c> Accessed 2020-12-12
 5. Anand, Shaurabh; Vaidyanathan, Srinivas and Radhakrishna, Sindhu 2021-10-01 "The Role of Landscape Structure in Primate Crop Feeding: Insights from Rhesus Macaques (*Macaca mulatta*) in Northern India" *International Journal of Primatology* 42(5):764-780 <https://doi.org/10.1007/s10764-021-00238-y>
 6. Anonymous 2008-10-29 "Rockets now used to end 'monkey peril'" *The China Post*
 7. Anonymous 2009-03-23 "South Africa tries to halt baboon break-ins" *HeraldNet* <https://www.heraldnet.com/news/south-africa-tries-to-halt-baboon-break-ins/> Accessed 2020-06-08
 8. Anonymous 2009-05-10 "Feeding monkeys in public contempt of court" *The Times of India* <https://timesofindia.indiatimes.com/city/delhi/Feeding-monkeys-in-public-contempt-of-court/articleshow/4505578.cms?> Accessed 2019-09-14
 9. Anonymous 2010-01-24 "Farmers turn to man's best friend to guard crops against monkeys" *The Mainichi Daily News* <http://arbroath.blogspot.co.uk/2010/01/japanese-farmers-turn-to-dogs-to-guard.html> Accessed 2019-10-26
 10. Anonymous 2011-02-06 "Himachal Pradesh launches monkey sterilization drive to curb its population" *Asian News International* <https://in.news.yahoo.com/himachal-pradesh-launches-monkey-sterilization-drive-curb-population-20110206-065936-732.html> Accessed 2019-10-26
 11. Anonymous 2014-08-16 "Tackling the monkey problem" *Today Online* <https://www.todayonline.com/singapore/tackling-monkey-problem> Accessed 2019-10-26
 12. Anonymous 2016-03-10 "Monkey sterilisation project in Agra" *Business Standard* http://www.business-standard.com/article/pti-stories/monkey-sterilisation-project-in-agra-116031001221_1.html Accessed 2019-10-26
 13. Anonymous 2017-08-21 "Karnataka: Farmers use lasers to scare monkeys away" *Bangalore Mirror* <http://bangaloremirror.indiatimes.com/news/state/karnataka-farmers-use-lasers-to-scare-monkeys-away/articleshow/60148289.cms> Accessed 2021-06-15
 14. Anonymous 2018-02-14 "New FWC rule prohibits feeding of wild monkeys" *Florida Fish and Wildlife Conservation Commission* <https://content.govdelivery.com/accounts/FLFFWCC/bulletins/1dadd94> Accessed 2022-06-10
 15. Anonymous 2019-08-21 "Don't feed wild animals" *Hong Kong Country & Marine Parks* https://www.afcd.gov.hk/english/country/cou_how/cou_how_gcp/cou_how_gcp_don/cou_how_gcp_don.html Accessed 2020-06-08
 16. Anonymous 2020-08-20 "'Monkey dogs' and tech keep crop-eating simians at bay in Nagano" *The Japan Times* <https://www.japantimes.co.jp/news/2020/08/20/national/monkey-dogs-tech-nagano/> Accessed 2020-08-23
 17. Anonymous 2023-08-25 "Monkeys sterilised to curb population growth" *Bangkok Post* <https://www.bangkokpost.com/thailand/general/2635971> Accessed 2023-08-29
 18. Badiella-Giménez, Núria ; Kankam, Bright Obeng and Badiella, Llorenç 2021-09-16 "Influence of Visitors on the Time Budget, Ranging and Strata Use of Lowe's Monkey (*Cercopithecus lowei*) at Boabeng-Fiema Monkey Sanctuary, Ghana" *Zoological*

- Studies 60:e51 <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc8924700/>
19. Baker, Dan L.; Powers, Jenny G.; Ransom, Jason I.; McCann, Blake E.; Oehler, Michael W.; Bruemmer, Jason E.; Galloway, Nathan L.; Eckery, Douglas C. and Nett, Terry M. 2018-07-31 "Reimmunization increases contraceptive effectiveness of gonadotropin-releasing hormone vaccine (GonaCon-Equine) in free-ranging horses (*Equus caballus*): Limitations and side effects" *PLoS One* 13(7):e0201570 <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6067756/>
 20. Balasubramaniam, Krishna N.; Aiempichitkijkarn, Nalina; Kaburu, Stefano S.K.; Marty, Pascal R.; Beisner, Brianne A.; Bliss-Moreau, Eliza; Arlet, Malgorzata E.; Atwill, Edward and McCowan, Brenda 2022-07-08 "Impact of joint interactions with humans and social interactions with conspecifics on the risk of zoonotic outbreaks among wildlife populations" *Scientific Reports* 12(1):11600 <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc9263808/>
 21. Barua, Maan 2009-08-01 "Culture, Conflict and Conservation: Exploring Human-Macaque Conflict in rural Assam, India" University of Oxford http://www.psgb.org/pdfs/Maan_Barua_FINAL_report.pdf Accessed 2020-04-25
 22. Barua, Maan; Jadhav, Sushrut; Kumar, Gunjesh; Gupta, Urvi; Justa, Priyanka and Sinha, Anindya 2021-05-01 "Mental health ecologies and urban wellbeing" *Health & Place* 69:102577 <https://doi.org/10.1016/j.healthplace.2021.102577>
 23. Bisht, Gaurav 2015-07-21 "Now, solar powered electric fences to keep monkeys away" *Hindustan Times* <http://www.hindustantimes.com/punjab/now-solar-powered-electric-fences-to-keep-monkeys-away/story-ueLYbkC0Xd6khEpQIIXdXJ.html> Accessed 2019-10-26
 24. Boulton, A.M.; Horrocks, J.A. and Baulu, Jean 1996-10-01 "The Barbados vervet monkey (*Cercopithecus aethiops sabaeus*): Changes in population size and crop damage, 1980–1994" *International Journal of Primatology* 17(5):831-844 <https://dx.doi.org/10.1007/BF02735267>
 25. Boumenir, Mourad; Hornick, Jean-Luc; Taminau, Bernard; Daube, Georges; Brotcorne, Fany; Iguer-Ouada, Mokrane and Moula, Nassim 2022-01-25 "First Descriptive Analysis of the Faecal Microbiota of Wild and Anthropized Barbary Macaques (*Macaca sylvanus*) in the Region of Bejaia, Northeast Algeria" *Biology* 11(2):187 <https://doi.org/10.3390/biology11020187>
 26. Bunluesilp, Noppawan 2009-08-21 "No monkey business: Thailand launches primate birth control" *Reuters* <http://www.reuters.com/article/us-thailand-monkeys-idUSTRE57K0TO20090821> Accessed 2019-10-26
 27. Buyukmihci, Nedim C 2022-12-18 "Castration for Population Control of Macaques In a Sanctuary Setting" pp Nedim C Buyukmihci <https://escholarship.org/uc/item/3cg050sp> Accessed 2022-12-18
 28. Centers for Disease Control and Prevention 2016-03-01 "B Virus (herpes B, monkey B virus, herpesvirus simiae, and herpesvirus B): Risk for infection" Centers for Disease Control and Prevention <https://www.cdc.gov/herpesbvirus/infection.html> Accessed 2019-07-27
 29. Chen, Haochun; Yao, Hui; Ruan, Xiangdong; Wallner, Bernard; Ostner, Julia and Xiang, Zuofu 2021-08-01 "Tourism may trigger physiologically stress response of a long-term habituated population of golden snub-nosed monkeys" *Current Zoology* 67(4):465-467 <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc8489030/>
 30. Crawford, Jeremy Chase; Boulet, Marylène and Drea, Christine M. 2011-01-07 "Smelling wrong: hormonal contraception in lemurs alters critical female odour cues" *Proceedings. Biological Sciences* 278(1702):122-130 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2992727/>
 31. Cui, Qingming; Ren, Yuejia and Xu, Honggang 2021-05-12 "The Escalating Effects of Wildlife Tourism on Human–Wildlife Conflict" *Animals* 11(5):1378 <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc8150641/>

32. Dascanio, J.J.; Hegler, A.; Hall, E.; Porco, A.; Beierschmitt, A.; Eckery, D.; McCall, J. and Simmonds, I. 2014-10-18 "Efficacy of Gonadotropin-Releasing Hormone (GnRH) Vaccine (GonaCon™) on Reproduction Function in Female Vervet Monkeys (*Chlorocebus aethiops*)" American Association of Zoo Veterinarians <https://www.vin.com/apputil/content/defaultadv1.aspx?pld=12132&catId=155754&id=9948842&ind=135&objTypeID=17> Accessed 2021-07-10
33. Davila-Ross, Marina; Pople, Helen; Gibson, Violet; Nathan, Senthilvel K.S.S.; Goossens, Benoit and Stark, Danica J. 2022-08-01 "An Approaching Motor Boat Induces Stress-Related Behaviors in Proboscis Monkeys (*Nasalis larvatus*) Living in a Riparian Area" International Journal of Primatology 43(4):677-697 <https://doi.org/10.1007/s10764-022-00277-z>
34. de Oliveira, Thaís C.; Rodrigues, Priscila T.; Early, Angela M.; Duarte, Ana Maria R.C.; Buery, Julyana C.; Bueno, Marina G.; Catão-Dias, José L.; Cerutti, Crispim; Rona, Luísa D.P.; Neafsey, Daniel E. and Ferreira, Marcelo U. 2021-12-01 "Plasmodium simium: population genomics reveals the origin of a reverse zoonosis" The Journal of Infectious Diseases 224(11):1950-1961 <https://doi.org/10.1093/infdis/jiab214>
35. Deleuze, Stefan; Brotcorne, Fany; Polet, Roland; Soma, Gede; Rigaux, Goulven; Giraud, Gwennan; Cloutier, Fanny; Poncin, Pascal; Wandia, Nengah and Huynen, Marie-Claude 2021-09-09 "Tubectomy of Pregnant and Non-pregnant Female Balinese Macaques (*Macaca fascicularis*) With Post-operative Monitoring" Frontiers in Veterinary Science 8:688656 <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc8458650/>
36. Dittus, W.P.J.; Gunathilake, S. and Felder, M. 2019-04-01 "Assessing public perceptions and solutions to human-monkey conflict from 50 years in Sri Lanka" Folia Primatologica; International Journal of Primatology 90(2):89-108 <https://doi.org/10.1159/000496025>
37. Folia Primatologica 2022-12-01 "Special Issue: Canopy Bridges for Conservation: Case Studies from around the World" Folia Primatologica 93(3-6) <https://brill.com/view/journals/ijfp/93/3-6/ijfp.93.issue-3-6.xml>
38. Francés, Víctor Beltrán ; Spaan, Denise; Amici, Federica; Maulany, Risma Illa; Oka, Ngakan Putu and Majolo, Bonaventura 2022-04-01 "Effect of Anthropogenic Activities on the Population of Moor Macaques (*Macaca maura*) in South Sulawesi, Indonesia" International Journal of Primatology 43(2):339-359 <https://doi.org/10.1007/s10764-022-00279-x>
39. Gilhooly, Lauren J.; Burger, Richard; Sipangkui, Symphorosa and Colquhoun, Ian C. 2021-06-01 "Tourist Behavior Predicts Reactions of Macaques (*Macaca fascicularis* and *M. nemestrina*) at Sepilok Orang-utan Rehabilitation Centre, Sabah, Malaysia" International Journal of Primatology 42(3):349-368 <https://doi.org/10.1007/s10764-021-00205-7>
40. Giraud, Gwennan; Sosa, Sebastian; Hambuckers, Alain; Deleuze, Stefan; Wandia, I. Nengah; Huynen, Marie-Claude; Poncin, Pascal and Brotcorne, Fany 2021-08-29 "Effect of Infant Presence on Social Networks of Sterilized and Intact Wild Female Balinese Macaques (*Macaca fascicularis*)" Animals 11(9):2538 <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc8466756/>
41. Hansen, M.F.; Ang, A.; Trinh, T.; Sy, E.; Paramasiwam, S.; Ahmed, T.; Dimalibot, J.; Jones-Engel, L.; Ruppert, N.; Griffioen, C.; Lwin, N.; Phiapalath, P.; Gray, R.; Kite, S.; Doak, N.; Nijman, V.; Fuentes, A. and Gumert, M.D. 2022-07-01 "Macaca fascicularis. The IUCN Red List of Threatened Species 2022: e.T12551A199563077" International Union for Conservation of Nature <https://dx.doi.org/10.2305/IUCN.UK.2022-1.RLTS.T12551A199563077.en> Accessed 2023-07-31

42. Hardwick, Jane L.; Priston, Nancy E.C.; Martin, Thomas E.; Tosh, David G.; Mustari, Abdul H. and Abernethy, Kirsten E. 2017-12-01 "Community perceptions of the crop-feeding buton macaque (*Macaca ochreata brunnescens*): an ethnoprimateological study on Buton Island, Sulawesi" *International Journal of Primatology* 38(6):1102-1119 <https://doi.org/10.1007/s10764-017-9999-0>
43. Hill, Catherine M. 2017-04-01 "Primate crop feeding behavior, crop protection, and conservation" *International Journal of Primatology* 38(2):385-400 <https://dx.doi.org/10.1007/s10764-017-9951-3>
44. Hill, Catherine M. and Wallace, Graham E. 2012-09-01 "Crop protection and conflict mitigation: reducing the costs of living alongside non-human primates" *Biodiversity and Conservation* 21(10):2569-2587 <https://doi.org/10.1007/s10531-012-0318-y>
45. Horrocks, J.A. and Baulu, J. 1988-01-01 "Effects of trapping on the vervet (*Cercopithecus aethiops sabaues*) population in Barbados" *American Journal of Primatology* 15(3):223-233 <https://dx.doi.org/10.1002/ajp.1350150305>
46. Imam, Ekwal; Yahya, H.S.A. and Malik, Iqbal 2002-01-01 "A successful mass translocation of commensal rhesus monkeys *Macaca mulatta* in Vrindaban, India" *Oryx* 36(1):87-93 <https://doi.org/10.1017/S0030605302000133>
47. isantraveller 2016-11-21 "Birth Control — Long-tailed Macaques in Phana" Thai Monkey Forest <https://thaimonkeyforest.com/2016/11/21/birth-control-long-tailed-macaques-in-phana/> Accessed 2020-04-20
48. IUCN 2022-01-01 "Primates" IUCN SSC Human-Wildlife Conflict & Coexistence Specialist Group <https://www.hwctf.org/primates> Accessed 2022-11-02
49. Jane Goodall Institute 2022-01-01 "Long-tailed Macaque Working Group (LTMWG) No Feeding Campaign" Jane Goodall Institute <https://janegoodall.org.sg/our-programmes-and-campaigns/wildlife-environment/long-tailed-macaque/> Accessed 2022-11-01
50. Kaplan, Bentley S.; O'Riain, M. Justin; van Eeden, Rowen and King, Andrew J. 2011-12-01 "A low-cost manipulation of food resources reduces spatial overlap between baboons (*Papio ursinus*) and humans in conflict" *International Journal of Primatology* 32(6):1397-1412 <https://dx.doi.org/10.1007/s10764-011-9541-8>
51. Karuppannan, K.V; Saaban, S.; Firdaus, Ariff A.R. and Mustapa, A.R. 2013-01-01 "NON-SURGICAL CASTRATION IN CONTROLLING LONG TAILED MACAQUE (*Macaca fascicularis*) POPULATION By DEPARTMENT OF WILDLIFE AND NATIONAL PARKS (DWNP) PENINSULAR MALAYsIA" *Malaysian Journal of Veterinary Research* 4(1):33-36 https://www.researchgate.net/profile/Kayal-Karuppannan/publication/272791166_Non_Surgical_Castration_In_Controlling_Long_Tailed_Macaque_Populations_By_Department_Of_Wildlife_And_National_ParksMalaysian_Journal_of_Veterinary_Research_4_33-36/links/5514be06cf2eda0df34091b/Non-Surgical-Castration-In-Controlling-Long-Tailed-Macaque-Populations-By-Department-Of-Wildlife-And-National-ParksMalaysian-Journal-of-Veterinary-Research-4-33-36.pdf
52. Kifle, Zewdu and Beehner, Jacinta C. 2022-11-01 "Distribution and diversity of primates and threats to their survival in the Awi Zone, northwestern Ethiopia" *Primates; Journal of Primatology* 63(6):637-645 <https://doi.org/10.1007/s10329-022-01010-3>
53. Koirala, Sabina; Garber, Paul A.; Somasundaram, Deepakrishna; Katuwal, Hem Bahadur; Ren, Baoping; Huang, Chengming and Li, Ming 2021-07-21 "Factors affecting the crop raiding behavior of wild rhesus macaques in Nepal: Implications for wildlife management" *Journal of Environmental Management* 297:113331 <https://doi.org/10.1016/j.jenvman.2021.113331>
54. Koirala, Sabina; Baral, Suraj; Garber, Paul A.; Basnet, Hari; Katuwal, Hem Bahadur; Gurung, Sabita; Rai, Devi; Gaire, Raju; Sharma, Bishal; Pun, Tejab and Li, Ming 2022-08-15 "Identifying the environmental and anthropogenic causes, distribution,

- and intensity of human rhesus macaque conflict in Nepal" *Journal of Environmental Management* 316:115276 <https://doi.org/10.1016/j.jenvman.2022.115276>
55. Kuthyar, Sahana; Kowalewski, Martin M.; Roellig, Dawn M.; Mallott, Elizabeth K.; Zeng, Yan; Gillespie, Thomas R. and Amato, Katherine R. 2020-12-12 "Effects of anthropogenic habitat disturbance and *Giardia duodenalis* infection on a sentinel species' gut bacteria" *Ecology and Evolution* 11(1):45-57 <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc7790644/>
 56. Lacitignola, Luca; Laricchiuta, Pietro; Imperante, Annarita; Acquafredda, Claudia; Stabile, Marzia and Staffieri, Francesco 2022-07-01 "Laparoscopic salpingectomy in *Papio hamadryas* for birth control in captivity" *Veterinary Surgery* 51(S1):O98-O106 <https://doi.org/10.1111/vsu.13760>
 57. Lappan, Susan and Ruppert, Nadine 2019-01-01 "Primate research and conservation in Malaysia" *CAB Reviews* 14(004) https://www.researchgate.net/publication/331503611_Primate_research_and_conservation_in_Malaysia
 58. Leah 2022-07-13 "Thailand ramps up monkey population control efforts" *Thaiger* <https://thethaiger.com/news/national/thailand-ramps-up-monkey-population-control-efforts> Accessed 2022-10-31
 59. Leca, Jean-Baptiste; Gunst, Noëlle; Gardiner, Matthew and Wandia, I. Nengah 2021-03-01 "Acquisition of object-robbing and object/food-bartering behaviours: a culturally maintained token economy in free-ranging long-tailed macaques" *Philosophical Transactions of the Royal Society of London. Series B, Biological Sciences* 376(1819):20190677 <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc7815422/>
 60. Lee, Mei-Ho; Rostal, Melinda K.; Hughes, Tom; Sitam, Frankie; Lee, Chee-Yen; Japning, Jeffrine; Harden, Mallory E.; Griffiths, Anthony; Basir, Misliah; Wolfe, Nathan D.; Epstein, Jonathan H. and Daszak, Peter 2015-07-01 "Macacine Herpesvirus 1 in Long-Tailed Macaques, Malaysia, 2009–2011" *Emerging Infectious Diseases* 21(7):1107-1113 <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc4480374/>
 61. Leith, David Alexander; Mpofo, Buhlethu Sukoluhle; van Velden, Julia Laura; Reed, Cecile Catharine; van Boom, Kathryn Merle; Breed, Dorothy and Kohn, Tertius Abraham 2020-12-01 "Are Cape Peninsula baboons raiding their way to obesity and type II diabetes? - a comparative study" *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology* 250:110794 <https://doi.org/10.1016/j.cbpa.2020.110794>
 62. Lempang, Meyby Eka Putri; Dewayanti, Farahana Kresno; Syahrani, Lepa; Permana, Dendi Hadi; Malaka, Ratmawati; Asih, Puji Budi Setia and Syafruddin, Din 2022-06-01 "Primate malaria: An emerging challenge of zoonotic malaria in Indonesia" *One Health (Amsterdam, Netherlands)* 14:100389 <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc9171520/>
 63. Loo, Adrian 2022-06-24 "Forum: Enhanced approach to wildlife management taken for City in Nature" *The Straits Times* <https://www.straitstimes.com/opinion/forum/forum-enhanced-approach-to-wildlife-management-taken-for-city-in-nature> Accessed 2022-06-25
 64. Mansell, Naomi L. and McKinney, Tracie 2021-08-01 "Interactions Between Humans and Panamanian White-Faced Capuchin Monkeys (*Cebus imitator*)" *International Journal of Primatology* 42(4):548-562 <https://doi.org/10.1007/s10764-021-00218-2>
 65. Mazue, Frédéric; Guerbois, Chloé; Fritz, Hervé; Rebut, Nancy and Petit, Odile 2023-01-01 "Less bins, less baboons: reducing access to anthropogenic food effectively decreases the urban foraging behavior of a troop of chacma baboons (*Papio hamadryas ursinus*) in a peri-urban area" *Primates; Journal of Primatology* 64(1):91-103 <https://doi.org/10.1007/s10329-022-01032-x>
 66. McKinney, Tracie; Waters, Siân and Rodrigues, Michelle A. (eds) 2023-01-01 "Primates in Anthropogenic Landscapes" Springer Cham <https://doi.org/10.1007/978->

- 3-031-11736-7
67. McLennan, Matthew R.; Spagnoletti, Noemi and Hockings, Kimberley J. 2017-04-01 "The implications of primate behavioral flexibility for sustainable human–primate coexistence in anthropogenic habitats" *International Journal of Primatology* 38(2):105-121 <https://dx.doi.org/10.1007/s10764-017-9962-0>
 68. Mikail, Muhammed; Azizan, Tengku Rinalfi Putra Tengku; Noor, Mohd Hezmee Mohd; Hassim, Hasliza Abu; Mikail et al 2023Mikail et al 2023Che'Amat, Azlan and Latip, Mohd Qayyum Ab 2023-06-13 "Long-Tailed Macaque (*Macaca fascicularis*) Contraception Methods: A Systematic Review" *Biology* 12(6):848 <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc10294950/>
 69. Mohd-Daut, Norlinda; Matsuda, Ikki; Abidin, Kamaruddin Zainul and Md-Zain, Badrul Munir 2021-11-01 "Population dynamics and ranging behaviours of provisioned silvered langur (*Trachypithecus cristatus*) in Peninsular Malaysia" *Primates; Journal of Primatology* 62(6):1019-1029 <https://doi.org/10.1007/s10329-021-00934-6>
 70. Molyneaux, Andrea; Hankinson, Emma; Kaban, Mbra; Svensson, Magdalena S.; Cheyne, Susan M. and Nijman, Vincent 2022-01-01 "Primate Selfies and Anthropozoonotic Diseases: Lack of Rule Compliance and Poor Risk Perception Threatens Orangutans" *Folia Primatologica* 92(5-6):296-305 <https://doi.org/10.1159/000520371>
 71. Muehlenbein, Michael P.; Dore, Kerry M.; Gassen, Jeffrey; Nguyen, Vy; Jolley, O. Grace and Gallagher, Christa 2021-07-16 "Travel medicine meets conservation medicine in St. Kitts: Disinhibition, cognitive-affective inconsistency, and disease risk among vacationers around green monkeys (*Chlorocebus sabaeus*)" *American Journal of Primatology* e23301 <https://doi.org/10.1002/ajp.23301>
 72. Nandi, Jayashree S.; Rathore, Shraavan Singh and Mathur, Bajrang Raj 2021-01-01 "Transmission of infectious viruses in the natural setting at human-animal interface" *Current Research in Virological Science* 2:100008 <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc8256691/>
 73. Nelson, Dean 2013-11-18 "India's monkeys 'to be put on the pill'" *The Telegraph* <http://www.telegraph.co.uk/news/worldnews/asia/india/10457004/Indias-monkeys-to-be-put-on-the-pill.html> Accessed 2019-10-26
 74. Parathian, Hannah E. and Maldonado, Angela M. 2010-10-01 "Human–nonhuman primate interactions amongst Tikuna people: perceptions and local initiatives for resource management in Amacayacu in the Colombian Amazon" *American Journal of Primatology* 72(10):855-865 <https://doi.org/10.1002/ajp.20816>
 75. Pebsworth, Paula A. and Radhakrishna, Sindhu 2021-09-01 "The costs and benefits of coexistence: What determines people's willingness to live near nonhuman primates?" *American Journal of Primatology* 83(9):e23310 <https://doi.org/10.1002/ajp.23310>
 76. Pebsworth, Paula and Radhakrishna, Sindhu 2020-04-01 "Using conditioned taste aversion to reduce human-nonhuman primate conflict: A comparison of four potentially illness-inducing drugs" *Applied Animal Behaviour Science* 225:104948 <https://doi.org/10.1016/j.applanim.2020.104948>
 77. Peralta, Gabriella 2016-04-11 "Local student puts a lid on nuisance monkeys" *Gibraltar Chronicle* <https://www.chronicle.gi/local-student-puts-a-lid-on-nuisance-monkeys/> Accessed 2020-04-27
 78. Phuket News 2023-05-06 "Monkey neutering campaign gains momentum in Phuket" *The Phuket News* <https://www.thephuketnews.com/monkey-neutering-campaign-gains-momentum-in-phuket-88047.php> Accessed 2023-05-07
 79. Priston, Nancy E.C. and McLennan, Matthew R. 2013-01-01 "Managing Humans, Managing Macaques: Human–Macaque Conflict in Asia and Africa" In *Developments in Primatology: Progress and Prospects* book series (DIPR, volume 43), Radhakrishna, S.; Huffman, M. and Sinha A. (eds), 225-250 pp New York: Springer

- http://dx.doi.org/10.1007/978-1-4614-3967-7_14
80. Reddy, A.R.M. and Chander, Jagdish 2016-10-01 "HUMAN-MONKEY CONFLICT IN INDIA: SOME AVAILABLE SOLUTIONS FOR CONFLICT MITIGATION WITH SPECIAL REFERENCE TO HIMACHAL PRADESH" *Indian Forester* 142(10):941-949 <http://www.indianforester.co.in/index.php/indianforester/article/view/104130/74327>
 81. Riley, Erin P. and Fuentes, Agustín 2011-01-01 "Conserving social–ecological systems in Indonesia: human–nonhuman primate interconnections in Bali and Sulawesi" *American Journal of Primatology* 73(1):62-74 <https://dx.doi.org/10.1002/ajp.20834>
 82. Rummel, Samantha C.; Cushing, Andrew C.; Smith, Christopher K.; Yépez, Pablo Jarrín and Haines, Deborah 2024-06-01 "FIELD TECHNIQUES FOR VASECTOMY IN BLACK HOWLER MONKEYS (*ALOUATTA PIGRA*)" *Journal of Zoo and Wildlife Medicine* 55(2):531-535 <https://doi.org/10.1638/2022-0145>
 83. Rundus, Aaron; Chancellor, Rebecca; Nyandwi, Sylvain and Johnston, Amanda 2022-06-01 "Factors Influencing Chimpanzee (*Pan troglodytes schweinfurthii*) Crop Foraging in Farmland Outside of Gishwati Forest, Rwanda" *International Journal of Primatology* 43(3):494-512 <https://doi.org/10.1007/s10764-022-00291-1>
 84. Saeki, John 2011-05-06 "Birth control prescribed for Hong Kong monkeys" *PhysOrg.com* <https://phys.org/news/2011-05-birth-hong-kong-monkeys.html> Accessed 2019-10-26
 85. Salama, Samir 2021-06-27 "How this Saudi farmer keeps baboons at bay" *Gulf News* <https://gulfnews.com/world/gulf/saudi/how-this-saudi-farmer-keeps-baboons-at-bay-1.80232704> Accessed 2021-06-28
 86. Sengupta, Asmita and Radhakrishna, Sindhu 2018-10-01 "The Hand That Feeds the Monkey: Mutual Influence of Humans and Rhesus Macaques (*Macaca mulatta*) in the Context of Provisioning" *International Journal of Primatology* 39(5):817-830 <https://doi.org/10.1007/s10764-018-0014-1>
 87. Senaratne, L.B. 2024-04-28 "Pera vets successfully insert contraceptive loop in monkey" *The Sunday Times* <https://www.sundaytimes.lk/240428/news/pera-vets-successfully-insert-contraceptive-loop-in-monkey-555627.html> Accessed 2024-04-29
 88. Sengupta, Asmita and Radhakrishna, Sindhu 2020-06-01 "Factors Predicting Provisioning of Macaques by Humans at Tourist Sites" *International Journal of Primatology* 41(3):471-485 <https://doi.org/10.1007/s10764-020-00148-5>
 89. Sha, John Chih Mun and Hanya, Goro 2013-06-01 "Diet, activity, habitat use, and ranging of two neighboring groups of food-enhanced long-tailed macaques (*Macaca fascicularis*)" *American Journal of Primatology* 75(6):581-592 <https://doi.org/10.1002/ajp.22137>
 90. Shano, Shahanaj; Islam, Ariful; Hagan, Emily; Rostal, Melinda K.; Martinez, Stephanie; Al Shakil, Abdullah; Hasan, Moushumi; Francisco, Leilani; Husain, Mushtuq M.; Rahman, Mahmudur; Flora, Meerjady S.; Miller, Maureen; Daszak, Peter and Epstein, Jonathan H. 2021-12-01 "Environmental Change and Zoonotic Disease Risk at Human-Macaque Interfaces in Bangladesh" *Ecohealth* 18(4):487-499 <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc8573309/>
 91. Sharma, S. 2016-03-01 "Human-Rhesus macaque conflict at Pumdivumdi/Talokodi, Pokhara, West Nepal" http://bankojanakari.gov.np/articles/Human_macaque_conflic%20in%20online_1516979193.pdf Accessed 2023-02-13
 92. Shek, Chung-Tong 2012-08-12 "Macaque contraceptive program in Hong Kong" *International Primatological Society XXIV Congress*
 93. Siong, Lee Gim 2016-04-04 "One-third of monkeys being culled each year 'too much': MP Louis Ng" *Channel NewsAsia* <https://wildsingaporenews.blogspot.com/2016/04/one-third-of-monkeys-being-culled-each.html> Accessed 2020-03-14

94. Springer, Justin H.A. 2020-01-01 "Best Practices in Green Monkey Deterrence: A Manual for Farmers in Barbados" Mosaic Eco Consult <https://biodiversity.gov.bb/wp-content/uploads/2020/06/Best-Practices-Monkey-Deterrence-2020-V5-Pages.pdf> Accessed 2021-07-08
95. Staff Writer 2009-04-17 "No more monkey business: Vasectomies for primates" The Repository <https://eu.cantonrep.com/story/news/2009/04/17/no-more-monkey-business-vasectomies/42572219007/> Accessed 2023-02-14
96. Strum, Shirley C. 2010-02-01 "The development of primate raiding: Implications for management and conservation" *International Journal of Primatology* 31(1):133-156 <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc2819593/>
97. Sullivan, Rory 2020-06-25 "Thai vets perform mass sterilisation on violent monkey population in ancient city" Independent <https://www.independent.co.uk/news/world/asia/macaque-mass-sterilisation-lopburi-thailand-a9585206.html> Accessed 2023-02-14
98. Taberer, Tabitha R.; Mead, Jasmine; Hartley, Matthew and Harvey, Naomi D. 2022-08-29 "Impact of female contraception for population management on behavior and social interactions in a captive troop of Guinea baboons (*Papio papio*)" *Zoo Biology* <https://doi.org/10.1002/zoo.21728>
99. Tan, Audrey 2020-03-26 "Tougher penalties for offences against wildlife" The Straits Times <https://www.straitstimes.com/politics/tougher-penalties-for-offences-against-wildlife> Accessed 2020-04-27
100. Thakur, Joydeep and Sharma, Vibha 2017-08-05 "Sterilisation and not relocation solution to contain monkeys in Delhi, say experts" Hindustan Times <https://www.hindustantimes.com/delhi-news/sterilisation-and-not-relocation-solution-to-contain-monkeys-in-delhi-say-experts/story-l8xlJBqc3qzdllqJEeCeDL.html> Accessed 2020-03-13
101. USDA-APHIS-Wildlife Services 2017-08-01 "Chapter XI: The Use of GonaCon in Wildlife Damage Management" USDA-APHIS-Wildlife Services https://www.aphis.usda.gov/wildlife_damage/nepa/risk_assessment/11-gonacon.pdf Accessed 2021-07-10
102. van de Straat, Bram ; Sebayang, Boni; Grigg, Matthew J.; Staunton, Kyran; Garjito, Triwibowo Ambar; Vythilingam, Indra; Russell, Tanya L. and Burkot, Thomas R. 2022-03-31 "Zoonotic malaria transmission and land use change in Southeast Asia: what is known about the vectors" *Malaria Journal* 21(1):109 <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc8974233/>
103. van Doorn, Angela C. and O'Riain, M.J. 2020-06-30 "Nonlethal management of baboons on the urban edge of a large metropole" *American Journal of Primatology* 82(8):e23164 <https://doi.org/10.1002/ajp.23164>
104. Vishnoi, Anubhuti 2013-11-18 "Govt steps in to check monkey population" The Indian Express <http://archive.indianexpress.com/news/govt-steps-in-to-check-monkey-population/1196199/> Accessed 2019-10-26
105. Wallace, Graham E. and Hill, Catherine M. 2016-01-01 "Deterring Crop-Foraging Wildlife. Lessons from farms in north-western Uganda" Oxford Brookes University <https://doi.org/10.13140/RG.2.1.3837.0321> Accessed 2020-04-27 DOI
106. Wenner, Melinda 2007-07-20 "Primate tourism monkeys around with life and death" LiveScience <https://www.livescience.com/1726-primate-tourism-monkeys-life-death.html> Accessed 2023-02-16
107. Wildlife Conservation Research Unit 2021-01-01 "People and Wildlife Initiative: Creating conservation solutions for living together" Wildlife Conservation Research Unit, Department of Zoology, University of Oxford <https://www.wildcru.org/research/people-and-wildlife-initiative/> Accessed 2021-12-13
108. Wilson, Tais M.; Ritter, Jana M.; Martines, Roosecelis B.; Bullock, Hannah A.; Fair, Pamela; Radford, Kay W.; Macêdo, Isabel L.; Sousa, Davi E.R.; Gonçalves,

- Alexandra A.B.; Romano, Alessandro P.; Passos, Pedro H.O.; Ramos, Daniel G.; Costa, Gabriela R.T.; Cavalcante, Karina R.L.J.; de Melo, Cristiano B.; Zaki, Sherif R. and Castro, Marcio B. 2022-04-01 "Fatal Human Alphaherpesvirus 1 Infection in Free-Ranging Black-Tufted Marmosets in Anthropized Environments, Brazil, 2012–2019" *Emerging Infectious Diseases* 28(4):802-811
<https://doi.org/10.3201/eid2804.212334>
109. Yu, Pin-Huan; Weng, Chia-Chun; Kuo, Hung-Chih and Chi, Chau-Hwa 2015-04-01 "Evaluation of endoscopic salpingectomy for sterilization of female Formosan macaques (*Macaca cyclopis*)" *American Journal of Primatology* 77(4):359-367
<https://doi.org/10.1002/ajp.22354>