

# arjunSRIVATHSA

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## CV Curriculum Vitae

Degree	Year	Institution   University
phd Interdisciplinary Ecology	2015 – 2020	Dept. of Wildlife Ecology and Conservation School of Natural Resources and Environment University of Florida, USA
ms Wildlife Biology & Conservation	2010 – 2012	National Centre for Biological Sciences Tata Institute of Fundamental Research Bengaluru, India
bs Chemistry. Botany. Zoology	2006 – 2009	Christ University Bengaluru, India

academic **PROFILE**

- Carnivore Ecology
- Conservation Biology
- Ecological Modelling
- Human–Wildlife Interactions
- Population Ecology and Dynamics
- Science Communication

focus • **EXPERTISE**

## professional APPOINTMENTS

- jul '13 – present** **Research Associate** Wildlife Conservation Society–India, Bengaluru
- aug '15 – aug '20** **Graduate Assistant** Department of Wildlife Ecology and Conservation, School of Natural Resources and Environment, University of Florida
- dec '12 – jun '13** **Junior Research Fellow** Centre for Wildlife Studies, Bengaluru
- aug '09** **Research Assistant** for project titled 'Examining Tourism, Wildlife Reserves and Livelihoods in India', Columbia University

## research PROJECTS

- may '19 – present** **Principal Investigator** Ecological assessment and monitoring populations of the endangered Asiatic wild dog or 'dhole' *Cuon alpinus* in Kerala, India
- sep '18 – present** **Principal Investigator** Wild Canids–India Project ([www.wildcanids.net](http://www.wildcanids.net))
- nov '15 – mar '16** **Collaborator** Examining large carnivore occurrence, conflict and socio-cultural tolerance in central India
- dec '11 – jun '12** **Principal Investigator** Habitat occupancy of Asiatic wild dogs in the Bandipur Tiger Reserve landscape (MS dissertation)
- jan – feb '10** **Defries-Bajpai fellow** Forest degradation in Kanha Tiger Reserve, India

## teaching EXPERIENCE

- jan – apr '20** **Teaching Assistant**– Wildlife Population Ecology  
Wildlife Ecology and Conservation (University of Florida)
- aug – dec '19** **Teaching Assistant**– Wildlife Issues in a Changing World  
Wildlife Ecology and Conservation (University of Florida)
- dec '16** **Workshop Instructor** Science Communication for Graduate Students  
University of Florida
- jan – feb '15** **Teaching Assistant**– Conservation Ecology and Practice  
MS Wildlife Biology and Conservation (WCS–NCBS)
- nov '13** **Workshop Instructor** Monitoring Tigers and Prey: field and analytical techniques for wildlife managers. Host: Wildlife Conservation Society–India
- apr – may '13** **Teaching Assistant**– Population Ecology, Dynamics, and Estimation  
MS Wildlife Biology and Conservation (WCS–NCBS)
- may '09** **Facilitator** Conservation Leadership Workshop.  
Host: Tiger Watch, Rajasthan, India

## volunteer EXPERIENCE

- may '10** Line transect surveys to estimate densities of ungulate herbivore populations. Nagarhole National Park, India (Centre for Wildlife Studies)
- jun – sep '09** Examining Tourism, Wildlife Reserves and Livelihoods across six protected reserves in India (Columbia University)
- apr – may '09** Habitat occupancy surveys of ungulate herbivore populations. Kudremukh National park, India (Centre for Wildlife Studies)
- may '08** King Cobra Telemetry Project. Agumbe Rainforest Research Station (ARRS), Karnataka, India

## scientific PUBLICATIONS

<b>26</b> peer-reviewed publications*	<b>505</b> citations
<b>3</b> manuscripts in review	<b>12</b> h-index
<b>5</b> manuscripts in preparation	<b>15</b> i10-index

**Google Scholar** [Profile WebLink](#)

**Research Gate** [Profile WebLink](#)

\*Full list of publications included in Appendix.

## affiliations • SERVICE

- member** Society for Conservation Biology (student member)  
IUCN SSC Canid Specialist Group (2017–present)  
IUCN Dhole Working Group (2015–present)  
University of Florida Wildlife Graduate Student Association (2015–2020)  
SNRE Graduate Student Council, University of Florida (2015–2020)  
Researchers for Wildlife Conservation (2012–present)
- assessor** IUCN RedList Status Assessment for Dhole *Cuon alpinus*, 2015. The IUCN Red List of Threatened Species 2015: e.T5953A72477893.
- reviewer** Conservation Biology, Biological Conservation, Royal Society Open Science, Oryx, PLoS One, Journal of Applied Ecology, Frontiers in Conservation Science, Journal of Mammalogy, Global Ecology and Conservation, Wildlife Biology, Ecology and Evolution, Journal of Zoology, Population Ecology, Biological Invasions, Tropical Conservation Science, Mammalian Biology, International Journal of Primatology, Journal of Threatened Taxa, Canid Biology & Conservation, Parks
- guest lectures**
  - 2019** Interdisciplinary Conservation Webinar for Chinese Conservationists
  - 2020** Society for Conservation Biology: Florida Chapter. University of Florida
  - 2020** Large Mammal Ecology and Management. Department of Wildlife Ecology and Conservation. University of Florida

## popular **ARTICLES**

**12** International media

**16** National media

**2** Regional media

Full list of articles included in Appendix.

## conferences • **SYMPOSIA**

- 2019** Association for Tropical Biology and Conservation– Antananarivo, Madagascar.
- 2018** Conservation Asia SCB Asia Chapter Conference– Bishkek, Kyrgyzstan.  
Association for Tropical Biology and Conservation– Kuching, Malaysia.
- 2017** International Congress for Conservation Biology– Cartagena, Colombia.  
International Mammalogical Congress– Perth, Australia.  
School of Natural Resources and Environment Symposium, University of Florida, USA.
- 2016** Ecological Society of America Conference– Ft. Lauderdale, Florida USA.  
North American Congress for Conservation Biology– Madison-Wisconsin, USA.  
Conservation Asia (SCB-ATBC) Conference– Singapore.
- 2015** Student Conference on Conservation Science– Cambridge, UK.\*<sup>§</sup>
- 2014** Society for Conservation Biology, Asia Conference– Melaka, Malaysia.
- 2013** Student Conference on Conservation Science– Beijing, China.  
Student Conference on Conservation Science– Bengaluru, India.
- 2012** Society for Conservation Biology, Asia Conference– Bengaluru, India.  
Student Conference on Conservation Science– Bengaluru, India.\*<sup>§</sup>
- 2009** UGC Seminar on Biodiversity Conservation: Opportunities & Challenges– Bengaluru, India.

\*poster §awarded prize

## science • **SOCIETY**

- oct '20** OutsideIn Ecology, NCBS, Bengaluru. Title: Fantastic Beasts and How to Save Them
- feb '20** University of Florida International Centre. Title: Cartoons for Conservation
- oct '18** Wildlife Conservation Network Expo, San Francisco, USA. Title: Saving the Underdogs
- nov '16** 'Suds and Science', Florida. Title: Conserving leopards in human-use landscapes of India
- dec '14** 'Art and Elephants', Bengaluru. Title: Elephant in the Room: Communicating Science and Conservation of Asian Elephants through Art
- mar '14** Workshop on "Using art and humor to communicate science". Host: Educator's Collective
- dec '13** 350.org Udaan- Global Power Shift meet, Bengaluru. Title: Using Art and 'Art'ivism to communicate science and conservation issues

## art • **AWARENESS**

- oct '18 – present** Web content creator and curator. Wild Canids–India Project
- jan '16 – dec '19** Illustrator. The Florida Master Naturalist Program (UF-IFAS) newsletters
- jun '17** Illustrator. Content on human-leopard interactions for training/awareness workshops in Uttarakhand, India. Collaborator: Titli Foundation and WCS-India
- may '16** Illustrator. Awareness material to prevent human-tiger conflict in central India. Collaborator: Last Wilderness Foundation, India
- dec '15** Contributing Artist. Art for Hornbills: a fundraiser event for the Hornbill Nest Adoption Program. Collaborator: Nature Conservation Foundation, India
- nov '15** Illustrator. Children's book 'Our Tigers Return: The Story of Panna Tiger Reserve'. Publisher: Last Wilderness Foundation, India
- jan '15** Designed outreach material for sustainable harvest and conservation of squaretail grouper fish in Lakshadweep archipelago, India. Collaborator: Nature Conservation Foundation, India
- jan '14 – oct '14** Communication and outreach head, social media manager. Wildlife Conservation Society–India
- jan '14** Created Pocket Science india (PSi) – an initiative to communicate wildlife science through art, for promoting conservation awareness. In collaboration with conservation organizations, these artworks have been translated into regional languages, used for fund-raising, nature education in villages around forests and in Forest Department visitor information centres.
- dec '13** Illustrator. Panels on Hornbill Conservation, on display at the Forest Department Nature Interpretation Centre, Pakke Tiger Reserve (India). Collaborator: Nature Conservation Foundation, India
- oct '13** Illustrator. 'Falcon Files', part of the Amur Falcon Conservation Initiative. Collaborator: Nagaland Wildlife and Biodiversity Conservation Trust, India
- sep '09** Chief Illustrator. 'Under the Canopy', published by Dusty-foot productions and funded by the IUCN.

## media **FEATURES**

- 2014 – 2020** Centre for Internet and Society, Prajavaani (Kannada newspaper), The Better India, Tehelka Magazine, The New Indian Express, Deccan Herald, Mid-day, LiveMint, Club SciWri, Down To Earth, Mongabay India, BBC Wildlife, EarthTouch News Network, Nature India, The Hindu

## scientific PUBLICATIONS

- 2021** 26. **Srivathsa, A.**, Rodrigues, R. G., Toh, K. B., Taylor, R. W., Zachariah, A., Oli, M. K., Ramakrishnan, U. (2021). The truth about scats and dogs: Next-generation sequencing and spatial capture–recapture models offer opportunities for conservation monitoring of an endangered social canid. *Biological Conservation*, 256, 109028. doi: 10.1016/j.biocon.2021.109028
- 2020** 25. **Srivathsa, A.**, Sharma, S., Singh, P., Punjabi, G.A., Oli, M.K. (2020). A strategic road map for conserving the endangered dhole *Cuon alpinus* in India. *Mammal Review*. doi: 10.1111/mam.12209
24. Chawla, M.M., **Srivathsa, A.**, Singh, P., Majgaonkar, I., Sharma, S., Punjabi, G.A., Banerjee, A. (2020). Do wildlife crimes against less charismatic species go unnoticed? A case study of Golden Jackal *Canis aureus* Linnaeus, 1758 poaching and trade in India. *Journal of Threatened Taxa*, 12(4): 15407–15413
23. **Srivathsa, A.**, Majgaonkar, I., Sharma, S., Punjabi, G.A., Singh, P., Chawla, M.M., Banerjee, A. (2020). Opportunities for prioritizing and expanding conservation enterprise in India using a guild of carnivores as flagships. *Environmental Research Letters*, 15: 064009. doi: <https://doi.org/10.1088/1748-9326/ab7e50>
22. **Srivathsa, A.**, Sharma, S., Oli, M.K (2020) Every dog has its prey: Range-wide assessment of links between diet patterns, livestock depredation, and human interactions for an endangered carnivore. *Science of the Total Environment*, 714: 1367898. doi: 10.1016/j.scitotenv.2020.136798
- 2019** 21. Puri, M., **Srivathsa, A.**, Karanth, K.K., Patel, I., Kumar, N.S. (2019) The balancing act: Maintaining leopard–wild prey equilibrium could offer economic benefits to people in a shared forest landscape of central India. *Ecological Indicators*, 110: 105931. doi: 10.1016/j.ecolind.2019.105931.
20. Singh, P., **Srivathsa, A.**, Macdonald, D.W., (2019) Conservation status of the dhole *Cuon alpinus* in Northeast India, with a focus on Dampa Tiger Reserve, Mizoram. *Oryx*, 1–5. doi: 10.1017/S0030605319000255.
19. **Srivathsa, A.**, Puri, M., Karanth, K.K., Patel, I., Kumar, N.S. (2019) Examining human–carnivore interactions using a socio–ecological framework: Sympatric wild canids in India as a case study. *Royal Society Open Science*, 6: 182008.
18. Majgaonkar, I., Vaidyanathan, V., **Srivathsa, A.**, Shivakumar, S., Limaye, S., Athreya, V. (2019) Land-sharing potential of large carnivores in human-modified landscapes of western India. *Conservation Science and Practice* 1(5): e34.
17. **Srivathsa, A.**, Karanth, K.U., Kumar, N.S., Oli, M.K. (2019) Insights from distribution dynamics inform strategies to conserve a dhole *Cuon alpinus* metapopulation in India. *Scientific Reports* 9(3081): 1–12.
16. **Srivathsa, A.**, Tietje, W., Rolland, V., Polyakov, A., Oli, M.K. (2019) Climatic drivers of pinyon mouse *Peromyscus truei* population dynamics in a resource-restricted environment. *Population Ecology* 61: 122–131.
- 2018** 15. **Srivathsa, A.**, Puri, M., Kumar, N.S., Jathanna, D., Karanth, K.U. (2018) Substituting space for time: Empirical evaluation of spatial replication as a surrogate for temporal replication in occupancy modelling. *Journal of Applied Ecology* 55: 754–765.
- 2017** 14. Panthi, S., Khanal, G., Acharya, K.P., Aryal, A., **Srivathsa, A.** (2017) Large anthropogenic impacts on a charismatic small carnivore: Insights from distribution surveys of red panda *Ailurus fulgens* in Nepal. *PLoS One* 12(7): e0180978.

## scientific **PUBLICATIONS**

- 2017**
13. Punjabi, G.A., Edgaonkar, A., **Srivathsa, A.**, Ashtaputre, S., Rao, M.K. (2017) Distribution of the dhole in its northern range limits in the Western Ghats, India. *Canid Biology & Conservation* 20(3): 7–13.
  12. Dey, S., Delampady, M., Parameshwaran, R., Kumar, N.S., **Srivathsa, A.**, Karanth, K.U. (2017) Bayesian methods for estimating animal abundance at large spatial scales using data from multiple sources. *Journal of Agricultural, Biological and Environmental Statistics*. 22(2): 111–139.
  11. Karanth, K.U., **Srivathsa, A.**, Vasudev, D., Puri, M., Parameshwaran, R., Kumar, N.S. (2017) Spatio-temporal interactions facilitate large carnivore sympatry across a resource gradient. *Proceedings of the Royal Society: B*. 284: 20161860.
  10. **Srivathsa, A.**, Kumar, N.S., Karanth, K.U. (2017) Home-range size of the dhole *Cuon alpinus* estimated from camera-trap surveys. *Canid Biology and Conservation*. 20(1): 1–4.
- 2016**
9. Karanth, K.K., Sankararaman, V., Dalvi, S., **Srivathsa, A.**, Parameshwaran, R., Sharma, S., Robbins, P., Chhatre, A. (2016) Producing diversity: Agroforests sustain avian richness and abundance in India's Western Ghats. *Frontiers in Ecology and Evolution*. 4:111.
  8. Duangchantrasiri, S., Umponjan, M., Simcharoen, S., Pattanavibool, A., Chaiwattana, S., Maneerat, S., Kumar, N.S., Jathanna, D., **Srivathsa, A.**, Karanth, K.U. (2016) Dynamics of a low-density source population of tigers in Southeast Asia in the context of improved law enforcement. *Conservation Biology*. 30: 639–648.
- 2015**
7. Athreya, V., **Srivathsa, A.**, Puri, M., Karanth, K.K., Kumar, N.S., Karanth, K.U. (2015) Spotted in the news: Using media reports to examine leopard distribution, depredation and management practices outside protected areas in southern India. *PLoS One* 10(11): e0142647.
  6. **Srivathsa, A.**, Parameshwaran, R., Sharma, S., Karanth, K.U. (2015) Estimating population sizes of leopard cats in the Western Ghats using camera surveys. *Journal of Mammalogy* 96(4): 742–750.
  5. Puri, M., **Srivathsa, A.**, Karanth, K.K., Kumar, N.S., Karanth, K.U. (2015) Multiscale distribution models for conserving widespread species: The case of sloth bear *Melursus ursinus* in India. *Diversity and Distributions* 21, 1087–1100.
- 2014**
4. **Srivathsa, A.**, Karanth, K.K., Jathanna, D., Kumar, N.S., Karanth, K.U. (2014) On a dhole trail: Examining ecological and anthropogenic correlates of dhole habitat occupancy in the Western Ghats of India. *PLoS One* 9(6): e98803.
- 2012**
3. **Srivathsa, A.**, Mathew, J. (2012) Thomas Caverhill Jerdon. *Current Conservation* 6(3): 20–21.
  2. Karanth, K.K., DeFries, R., **Srivathsa, A.**, Sankaraman, V. (2012) Wildlife tourists in India's emerging economy: Potential for a conservation constituency? *Oryx* 46: 382–390.
- 2011**
1. Katdare, S., **Srivathsa, A.**, Joshi, A., Panke, P., Pande, R., Khandal, D., Everard, M. (2011) Gharial (*Gavialis gangeticus*) populations and human influences on habitat on the River Chambal, India. *Aquatic Conservation: Marine and Freshwater Ecosystems* 21: 364–371.

## popular **ARTICLES**

- 2021**
- Going to the Dogs? Turning the Page for India's Endangered Dhole. **RoundGlass Sustain.**
  - Let's talk sh\*t: A Carnivore Biologist's Toolkit 101. **Down To Earth.\***
  - Decoding Dholes: 10 Things You Should Know. **Nature in Focus.**
- 2020**
- Canid Crisis?. **Zoo's Print.**
  - Saving the Underdogs. **Zoo's Print.**
  - A roadmap for dhole conservation in India. **Conservation India.**
  - Jack of All Trades. **Sanctuary Asia.\***
  - Wild canids should be recognised as flagbearers to expand India's conservation enterprise. **Down To Earth.**
  - Wild Canids and Hyenas: Flagships for Increasing India's Conservation Potential? **Conservation India.**
- 2019**
- Conservation status of Dholes (Asiatic wild dogs) in Northeast India. **Conservation India.\***
  - Perils of an endangered underdog: dholes in north-east India. **Oryx blog.\***
  - Conserving shared spaces for people and predators. **Conservation India.\***
  - Carnivores as co-owners of our lands. **Conservation India.\***
  - Are dhole packs in peril? **Down To Earth.**
  - Conserving the dhole in Karnataka's Western Ghats. **Conservation India.**
- 2017**
- Icons of Anamalais | Asiatic wild dogs. **Pollachi Papyrus.**
- 2015**
- Spotted in the News: Understanding Leopards Through Media Reports. **Conservation India.**
  - The Elusive Leopard Cats of India. **Conservation India.**
  - Along the Tiger's Trail: Where Are the Cats Found and Why? **Scientific American.\***
  - Along the Tiger's Trail: What's in Scat? **Scientific American.\***
  - Trail of the Tiger. **Deccan Herald.\***
  - Along the Tiger's Trail: It's All in the Stripes. **Scientific American.\***
- 2014**
- Field notes: 108 days in Bandipur. **JLR Explore.**
  - Seed Post! Role of hornbills in seed dispersal. **Sanctuary Asia Cub.**
  - India's Wild Animals take Selfies. **National Geographic.\***
  - Dholes in the Western Ghats. **Conservation India.**
  - Counting tigers reliably: Combining information from multiple sources. **Conservation India.\***
  - 'Kaadina Koosugalu'. Kannada article in regional magazine **Sudha** (Apr 2014).\*
  - Feral crèches: Parenting in Wild India. **MongaBay.**
  - 20 years camera-trapping India's Elusive Carnivores. **National Geographic.\***
- 2012**
- When domestic dogs are used for hunting. **The Hindu.\***

\*co-authored articles



## awards • **GRANTS**

- 2020**
  - Outstanding Graduate Student Award. Dept. of Wildlife Ecology and Conservation, University of Florida
  - Wildlife Conservation Network (\$11,300)
- 2019**
  - Rufford Small Grants (project team member; \$7800)
  - University of Florida Open Access Publishing Fund (\$1500)
- 2018**
  - Travel grant: University of Florida Wildlife Graduate Student Association (\$250; declined)
- 2017**
  - Travel grant: University of Florida Wildlife Graduate Student Association (\$250)
  - Travel grant: University of Florida Graduate Student Council (\$350)
- 2016**
  - Travel grant: North American Congress for Conservation Biology, Wisconsin, USA (\$100)
  - Crowdfunding campaign for The Dhole Project (\$2000)
- 2015**
  - Department of Wildlife Ecology and Conservation (University of Florida) assistantship (\$22,000)
  - School of Natural Resources and Environment (University of Florida) scholarship (\$22,000)
  - Sidney Byers Fellowship from the Wildlife Conservation Network (\$20,000)
  - Travel grant: Student Conference on Conservation Science, Cambridge, UK (\$625)
- 2014**
  - Recipient of the Sanctuary Asia Wildlife Award (Category: Young Naturalist)
  - Christensen Conservation Leaders scholarship, Wildlife Conservation Society (\$45,000)
- 2013**
  - Travel grant: Student Conference on Conservation Science, Beijing, China (\$1000)
- 2010**
  - WCS–India fellowship for MS in Wildlife Biology and Conservation, NCBS, Bengaluru.
  - DeFries–Bajpai Foundation fellowship (\$1200)

