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Education

Ph. D, Entomology, University of Maryland, College Park (2009 – anticipated May 2014)

M.S., Ecology, Pondicherry University, India (1999-2001)

B.Sc., Zoology, Madras University, India (1995-1998)

Publications

Peer-reviewed Journal Articles

- B.R. Ramesh, M.H. Swaminath, S.V. Patil, Desappa, R. Pelissier, **P.D. Venugopal**, S. Aravajy, C. Elouard, and S.R. Ramalingam. 2010. Woody species abundances in relation to stand structure and environmental variables across a network of 96 sampling sites in central Western Ghats, Karnataka, India. *Ecology* 91 (10): 3118.
- Venugopal, P.D.** 2010. Population density estimates of agamid lizards in human-modified habitats of the Western Ghats, India. *Herpetological Journal* 20(2): 69-76.
- Ramesh, B.R., **Venugopal, P.D.**, Pelissier, R., Patil, S.V., M.H. Swaminath, and Couteron, P. 2010. Mesoscale patterns in the floristic composition and structure of forests in Western Ghats, India. *Biotropica* 42(4): 435-443.
- Venugopal, P.D.** 2010. Taxonomic clarity of Indian lizards as a basis for inclusion in checklists: Response to Mirza. *Journal of Threatened Taxa* 2(5): 899-900.
- Venugopal, P.D.** 2010. An updated and annotated list of Indian Saurids (Reptilia:Sauria) based on review of distributional records and checklists of Indian reptiles. *Journal of Threatened Taxa* 2(3):728-735. Also see Addendum *Journal of Threatened Taxa* 2(4):848.
- Srinivas, V., **Venugopal, P.D** & S. Ram. 2008. Site occupancy of the Indian giant squirrel *Ratufa indica* (Exlerben) in Kalakkad Mundanthurai Tiger Reserve, Tamil Nadu, India. *Current Science* 95(7): 889-894.
- Venugopal, P.D.** 2007. Observations on egg-laying by *Calotes ellioti* (Gunther, 1864). *Hamadryad* 31(2): 366-367.
- Venugopal, P.D.** 2006. Observations of mugger, *Crocodylus palustris* (Lesson, 1831) feeding on birds in Ranganthittu Bird Sanctuary, Karnataka, India. *Journal of Bombay Natural History Society* 103 (1): 105.
- Venugopal, P.D.** 2006. Observations of *Uropeltis ceylanicus* (Cuvier, 1829) predated by the Malabar Whistling Thrush *Myiophonus horsfieldii* in Anamalai Hills, Western Ghats. *Herpinstance*. 4 (1): 8-9.
- Venugopal, P.D** and K. V. Devi Prasad. 2003. Basking Behavior and Survey of Marsh Crocodiles *Crocodylus palustris* in Ranganthittu Bird Sanctuary, Karnataka, India. *Hamadryad* 27 (2): 241-247.

Book Chapter

Venugopal, P. D. 2013. Agamid Lizards of India: Emphasis on Distribution and Conservation Status of Endemic and Rare Species. Pgs 62-75 in Rare animal species of India. Ed. N. Singaravelan. Bentham Science Publishers Ltd.

Technical Reports, Dissertation & Conference proceedings

Venugopal, P. D. 2008. Regional patterns in the floristic composition and structure of forests in the Western Ghats, India. Study report. Institut Français de Pondicherry, India. 56 pp.

Venugopal, P.D., Abraham, V. A., and Bhalla, R. S. 2008. Strategies for Restoration of Coastal Habitats: An Introduction. Pp.103-117 In Studies on Vulnerability and Habitat restoration along the Coromandel Coast., eds. Bhalla, R. S., Ram, S., and V. Srinivas. 1st ed. UNDP/UNTRS & FERAL, Pondicherry, India.

Venugopal, P.D., Ram, S and Anbarashan, M. 2008. Restoration of Tropical Dry Evergreen Forests. Pp.129-158 In Studies on Vulnerability and Habitat Restoration along the Coromandel Coast., eds. Bhalla, R. S., Ram, S., and V. Srinivas. 1st ed. UNDP/UNTRS & FERAL, Pondicherry, India.

Venugopal, P.D., R. S. Bhalla and Anbarashan, M. 2008. Stabilisation of Coastal Sand Dunes. Pp 159-177 In Studies on Vulnerability and Habitat Restoration along the Coromandel Coast., eds. Bhalla, R. S., Ram, S., and V. Srinivas. 1st ed. UNDP/UNTRS & FERAL, Pondicherry, India.

Venugopal, P.D., Huston, G., Pelkey, N. W., and Bhalla, R. S. 2008. Restoration of Mangrove Habitats. Pp.179-199 In Studies on Vulnerability and Habitat Restoration along the Coromandel Coast., eds. Bhalla, R. S., Ram, S., and V. Srinivas. 1st ed. UNDP/UNTRS & FERAL Pondicherry, India.

Venugopal, P. D. 2007. Role of agroecosystems and privately owned rainforests in maintenance of reptilian diversity in Anamalai Hills, Western Ghats, India. Submitted to Tamil Nadu Forest Department.

Ram. S. Srinivas, V & **Venugopal, P.D.** 2006. Estimating herbivore densities in the habitat mosaics of Kalakkad Mundanthurai Tiger Reserve, Tamil Nadu, India. Final Technical Report. Submitted to the Department of Science and Technology, Government of India. Foundation for Ecological Research, **Advocacy** and Learning (FERAL), Pondicherry. 58 p.

Srinivas, V., **Venugopal, P.D** & S. Ram. 2006. Site occupancy and encounter rates of Malabar Giant Squirrel (*Ratufa indica*, Erxleben) in the Kalakkad-Mundanthurai Tiger Reserve, Tamil Nadu, India. Pg 71 in Proceedings of the Fourth International Tree Squirrel Colloquium and the First International Flying Squirrel Colloquium. March 2006. Periyar Tiger Reserve, Kerala, India.

Venugopal, P. D. 2001. Basking Behavior and Survey of Marsh Crocodiles *Crocodylus palustris* (Lesson 1831) in Ranganthittu Bird Sanctuary, Karnataka, India. Master's Dissertation Thesis. Pondicherry University India. 39pgs.

Presentations - Academic

Venugopal, P. D, Galen P. Dively and William O. Lamp. How good are degree day models in predicting large scale abundances of brown marmorated stink bugs? Ecological Society of America, Austin TX, Nov 2013.

Mitchell, Baker, **P. Dilip Venugopal** and William O. Lamp. Climate change and migratory insects; local and continental effects of temperature anomaly on potato leafhopper arrival and severity of infestation. Ecological Society of America, Austin TX, Nov 2013.

Robert F. Smith, **P. Dilip Venugopal**, Matthew E. Baker and William O. Lamp. Regional and local processes structure a stream insect metacommunity in a partially urbanized landscape. Society for Freshwater Science. Jacksonville FL, May 19-23, 2013.

Venugopal P. D., Galen P. Dively, D. Ames Herbert and William O. Lamp. Environmental and spatial factors influencing patterns in stink bug communities in soybean. Presented at Ecological Society of America Eastern Branch Meeting. Mar 2013. Lancaster, PA

D. Ames Herbert, Galen P. Dively, Katherine L. Kamminga, David R. Owens, Joanne Whalen, Cerruti Hooks, **P. Dilip Venugopal**, Peter Coffey. Impact and management of brown marmorated stink bug in mid-Atlantic soybean. Entomological Society of America Annual Meeting. Nov 2012. Knoxville, TN.

Venugopal P. D., Galen P. Dively, D. Ames Herbert and William O. Lamp. Spatial pattern of infestation risk and management of the invasive brown marmorated stink bug in corn and soybeans. Presented at the Entomological Society of America Annual Meeting. Nov 2012. Knoxville, TN

Venugopal, P.D., & D.S. Gruner. 2011. Quantifying ground dwelling arthropods in ohia dominated forests of Big Island, Hawaii. Presented at Hawaii Ecosystem Meeting, University of Hawaii, Hilo, Jun 30 – July1.

Venugopal, P.D., R. Pelissier, B. R. Ramesh, K. Belna & P. Couteron. Influence of environmental and disturbance on the patterns of plant species diversity in Western Ghats, India. Presented at 95th Annual Ecological Society of America meeting. Aug 2010. Pittsburgh, PA, USA.

Venugopal, P.D. Patterns in the floristic composition and structure of forests in the Western Ghats. Presented at Institut Francais de Pondicherry, July 2008, Pondicherry, India.

Venugopal, P.D. Reptilian diversity along Chalakudy river basin. Presented at workshop on biodiversity significance of Chalakudy river basin with special focus on Vazhachal forest division. June 2007. Thrissur, Kerala. India.

Venugopal, P. D., A. Varampath and R. S. Bhalla. Restoration of coastal habitats along the Coromandel coast of Tamil Nadu, India. Presented at Foundation for ecological research, advocacy and learning. July 2007, Pondicherry, India.

Srinivas, V., **Venugopal, P.D** & S. Ram. Site occupancy and encounter rates of Malabar Giant Squirrel (*Ratufa indica*, Erxleben) in the Kalakkad-Mundanthurai Tiger Reserve, Tamil Nadu, India. Presented at the Fourth International Tree Squirrel Colloquium and the First International Flying Squirrel Colloquium. March 2006. Periyar Tiger Reserve, Kerala, India.

Extension

Venugopal, P.D & Galen P. Dively. Impact and Management of Brown Marmorated Stink Bug in Mid-Atlantic Soybean. Presented at Maryland Soybean board meeting. Feb 2014.

Hooks, C.R.R., **P. Dilip Venugopal** and G. Dively. Update on BMSB activity and control in grain crops and soybeans. Fifteenth Annual Maryland Commodity Classic. Centreville MD, July 25, 2013.

Venugopal P. D., Galen P. Dively, D. Ames Herbert and William O. Lamp. Spatial pattern of infestation risk and management of the invasive brown marmorated stink bug in corn and

soybeans. Presented at the Brown Marmorated Stink Bug Working Group meeting. Nov 2012. Winchester, VA.

Venugopal, P. D and M. Ananda Kumar. Movement patterns and Human-elephant conflict in Valparai plateau, Anamalai Hills. Nature Conservation Foundation, Mysore. Sept. 2006 Valparai, Tamil Nadu, India.

Outreach, Workshops, Extension and Education Materials

Venugopal, P. D & G. Dively. 2012. Research study to understand the factors influencing stink bug abundances in soybean fields may be coming to your farm. *Agronomy News* 3 (8): 2.

Venugopal, P. D. 2007. Tropical dry evergreen forests of the Coromandel Coast, Tamil Nadu, India (Poster in English and Tamil). UNDP / FERAL.

Venugopal, P. D. 2007. Sand dunes of the Coromandel coast of Tamil Nadu, India (Poster in English and Tamil). UNDP/ FERAL.

Venugopal, P. D. 2006. (Translated to Tamil from English). Principles & Practices of Rainforest restoration in Anamalai Hills, Western Ghats India. Nature Conservation Foundation, Mysore.

Venugopal, P. D. 2006. (Translated to Tamil from English). Human-elephant conflict in Valparai plateau, Anamalai Hills. Nature Conservation Foundation, Mysore.

Srinivas, V & P.D. Venugopal. 2005. (In Tamil). Data collection and analysis for population density estimation using line transects. Training program for students and staff of Forest Department, Govt. of Tamil Nadu, India.

Srinivas, V., P.D. Venugopal and S. Ram. 2005. GIS based thematic maps of Kalakkad Mundanthurai Tiger Reserve, Tamil Nadu, India (In English & Tamil). Prepared for Forest Department, Govt. of Tamil Nadu, India and Department of Science & Technology, Govt. of India.

Srinivas, V., P. D. Venugopal and S. Ram. Training workshop for student and native Kani tribes on Distance sampling based estimation of large herbivore mammals. 2004 July. Kalakkad Mundanthurai Tiger Reserve, Tamil Nadu, India.

Srinivas, V., P. D. Venugopal and S. Ram. Training workshop for staff of Tamil Nadu Forest Department on Census Techniques for large herbivore mammals. August 2004. Kalakkad Mundanthurai Tiger Reserve, India.

Venugopal, P.D & Srinivas, V. Large herbivore mammal census techniques (pamphlet in Tamil). July 2004. Prepared for Forest Department, Govt. of Tamil Nadu, India and Department of Science & Technology, Govt. of India.

Venugopal, P. D. 1996-97. Students sea turtle conservation network, Chennai, India. Coordinated student participation program and talks at middle and high schools for awareness on sea turtle conservation.

Research Grants, Fellowships and Awards

Research Grants - Funded

- 2013- USDA-NIFA Sustainable Agriculture Research & Education, Graduate Grant. Dilip Venugopal (PI) and William Lamp. Spatio-temporal heterogeneity and management of stink bugs in agricultural systems (\$14956).
- 2012 & 2013 – Galen Dively (PI), Cerruti Hooks, Ames Herbert, Joanne Whalen & P. Dilip Venugopal (collaborator). Biology, Distribution, and Management of the Brown

Marmorated Stink bug (BMSB) in soybean (\$180000). Contributed to proposal writing, conducting research and data analysis and reports.

- 2012 – Dilip Venugopal (PI). Cosmos Club Grant. Spatio-temporal heterogeneity and management of an invasive agricultural pest (\$1250).
- 2005 & 2006 – Dilip Venugopal (PI) & N. M Ishwar. Group for Nature Preservation and Education, Chennai, India. Determinants of reptilian diversity in the Anamalai Hills of Western Ghats, India (INR 233,566).
- 2000 – Wildlife Conservation Society – India, Small grants program. Dilip Venugopal (PI). Basking behaviour and survey of marsh crocodiles *Crocodylus palustris* in Ranganthittu Bird Sanctuary, Karnataka, India (INR 25,000).

Fellowships, Travel Grants and Awards

- 2013 – Gahan Fellowship (Spring & Fall semesters; half-time; \$10,040)
- 2013 - Jacob K. Travel Grant. University of Maryland (\$400)
- 2012 – Gahan Fellowship (Spring & Fall semesters; half-time; \$10,040)
- 2012 – Entomology Student Organization - Award for Excellence in Extension and Outreach (\$250)
- 2011 – Graduate Student Summer Research Fellowship (\$5000)
- 2010 – Entomology Student Association Travel Grant, University of Maryland (\$250)

Research/Work Experience

Aug 2009 – Present, *Graduate Teaching Assistant III*, University of Maryland College Park, MD. Responsibilities: short lectures, lead discussion groups, oversee laboratory procedures, grading and student concerns.

Mar 2008 - Jun 2009, *Assistant Engineer*, Dept. of Ecology, Institut Français de Pondichéry (Govt. of France), Pondicherry, India. Responsibilities: spatial database management, spatial & statistical analyses, scientific manuscripts preparation for large-scale tree species data.

Jan 2007 - Dec 2007, *Research Associate – Restoration*, UNDP/ Foundation for Ecological Research, Advocacy & Learning, Pondicherry, India (FERAL). Responsibilities: Design coastal habitats restoration protocols & coordinate ecological and social assessments, convene & coordinate stakeholder meetings, spatial & statistical analysis, prepare scientific reports.

Dec 2005 - Dec 2006, *Research Associate*, Group for nature preservation and education, Chennai, India. Responsibilities: Study design, data collection, statistical analysis and scientific reports and manuscripts estimating lizard populations and their habitat requirements.

Feb 2003 – Nov 2005, *Research Associate*, FERAL. Responsibilities: Study design, data collection, statistical analysis and scientific reports, estimating mammalian herbivore populations, conduct GPS surveys, conduct training workshops for mammal surveys.

Feb 2002 – Dec 2002, *Technical Assistant*, Wildlife Institute of India, Dehradun, India. Responsibilities: Field data collection to estimate mammalian herbivore populations & camera trapping surveys for tigers and leopard.

Dec 2000 – Apr 2001, *Research Associate*, Wildlife Conservation Society – India (WCS), Bangalore, India. Master's Dissertation on basking behavior of fresh water crocodiles.

Jan 1999 – July 1999 & Dec 2000, *Research Assistant*, WCS– India. Bangalore, India. Camera trapping surveys for tigers and leopard, field data collection to estimate mammal density

Jan 1999. *Volunteer*. Wildlife Conservation Society - India / Forest Department, Govt. of Karnataka, India. Estimation of herbivore mammal density using dung survey method.

Nov 1995- May 1998. *Volunteer*. Students Sea Turtle Conservation Network, Chennai, India. Involved in sea turtle nest collection, relocation, hatchery management and coordinated student participation program.

Nov 1995 – May 1998. *Volunteer*. Madras Crocodile Bank Trust, Chennai, India. Involved in crocodile measurements, egg collection, and general pit cleaning etc.

Academic Affiliations and Activities

Member, Search committee for Asst. Prof. Sustainable Agriculture in Entomology (2013-2014)

Member, Brown Marmorated Stink bug Working Group (2011- Present)

Member, Mid-Atlantic BMSB Soybean Group (2011-Present)

Member, Entomological Society of America (2012- Present)

Student Representative, Entomology Faculty Advisory Committee (2010-2011)

Member, Ecological Society of America (2010)

Member, Association for Tropical Biologists (2001 & 2008)

Teaching Experience

BSCI 105 Principles of Biology, University of Maryland, College Park (Spring 2012, Spring2013)

BSCI 361 Principles of Ecology, University of Maryland, College Park (Fall 2011)

BSCI 222 Principles of Genetics, University of Maryland, College Park (Fall 2010)

BSCI 106 Principles of Biology, University of Maryland, College Park (Fall 2009, Spring 2010, Spring 2011, Fall2012).

Special Attended Courses

Jan 18-19, 2011 (10 contact hours)

AIC Model Selection and Multimodel Inference Courses

Conducted by: David R. Anderson

Aug 23-27, 2010 (10 contact hours)

Modeling Patterns and Dynamics of Species Occurrence

USGS webinar presented by Drs. James Nichols and Darryl MacKenzie

Mar 27-28, 2010 (16 contact hours)

Innovative Techniques in Feeding Ecology

Dept. of Anthropology, The George Washington University