

Résumé



PERSONAL

Name : **Dr. NAGARAJAN BASKARAN**
Official Address : Assistant Professor
Dept. of Zoology & Wildlife Biology
A.V.C. College, Mannampandal – 609 305
Mayiladuthurai, Tamil Nadu India
e-mail : nagarajan.baskaran@gmail.com nbaskaran@avccollege.net
Skype/Orcid IDs : drnbavcc@outlook.com / 0000-0003-3590-4854
Research Interest : Mammalian Population Biology & Behavioural Ecology,
Human-Wildlife Conflict, GIS & Remote Sensing.
University Education : **M.Sc. M.Phil., Ph.D., & PDF**
Research Experience : **30 Years** (since 1990)
Grants Received : Research, Fellowship & Travel Grants (20 Nos.) Rs. 101.66 lakhs
Academic Experience : **8 Years** (since 2011) in A.V.C. College (Autonomous)
Academic Qualification : B.Sc., Zoo., M.Sc., Wildlife, M.Phil., Zoo., Ph.D. Zoo.
SPECIAL HONOURS : **Consultant Conservation Scientist:** ANCF, IISc., 2011-15.
Guest Faculty: Biodiversity Centre RGU, Itanagar, Arunachal Pradesh from 12 – 17 Sep. 2013.
Honorary Wildlife Warden, Nagapattinam District since December 2018.
Research Recognition/Honor by College : **Recognized** for Research Grant raising & Publication in 2016, Publication in 2017 and International Expertise in 2018.
Publications : **Published 130 Nos.**
Impact Factor: 22.291, Citation Index: 766, h-index: 16, i10 index: 29.

- **Publication in Journal** : **49 Nos.**
 - International : 37 Nos.
 - National : 12 Nos.
- **Publication in Seminar** : **70 Nos.**
 - International : 29 Nos.
 - National : 41 Nos.
- **Book Chapter** : **09 Nos.**
- **Popular Article** : **02 Nos.**

Reviewer in Journal Paper : **28 Nos.** (26 International and 02 National level)
Project Investigator/Coordinator : 09 Nos.
Research Reports : 23 Nos.
Ph.D. Doctoral Committee Member : 04 Nos.
Viva-Voce Examiner : 06 Nos.
Research Adviser/Co-Adviser : 40 Nos. (06 Ph.D. & 07 M. Phil., & 27 M.Sc.)
Invited Talk / Lecture : 13 Nos.
Resource Person : 28 Nos.
Workshops/Training Conducted : 10 Nos.
Faculty Development Programme : 31 Nos.
Participation in Seminar/Conference : 15 Nos.
Workshop & Training Attended : 16 Nos.
Technical Expertise Offered : 13 Nos.
Organizer of Guest Lect. /Inv. Talk : 11 Nos.
Co-ordinator of Education Field Trip : 14 Nos.
Extra-Curricular Activities : 13 Nos. including **Coordinators of IQAC & R & D Cell** of A.V.C. College (Autonomous).
Professional Membership : Member of **IUCN/SSC Asian Elephant Specialist Group** since 2002.
Media Focus on my Research : 06 Nos.

BIODATA**PERSONAL**

Name : **Dr. NAGARAJAN BASKARAN**
 Official Address : Assistant Professor
 Dept. of Zoology & Wildlife Biology
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UNIVERSITY EDUCATION

Post-Doctoral Fellow : CES, Indian Institute of Science, Bangalore (2001–2002)
 Doctor of Philosophy : Zoology /AVCC, Bharathidasan University /Commended (2000)
 Master of Philosophy : Zoology /AVCC, Bharathidasan University /Ist Class/72% (1990)
 Master of Science : Wildlife /AVCC, Bharathidasan University/Ist Class/61% (1889)
 Bachelor of Science : Zoology/AVCC, Bharathidasan University/IInd Class/59% (1987)

CURRENT POSITION: Assistant Professor since 12th October 2013 at the Dept. of Zoology and Wildlife Biology, A.V.C. College, Mannampandal, Mayiladuthurai – 609 305, Tamil Nadu, India.

TEACHING EXPERIENCE: Teaching: 7 years (Since Sep. 2011)

SPECIAL HONOURS:

- **Honorary Wildlife Warden Nagapattinam District** since Dec. 10, 2018.
- **Consultant Conservation Scientist:** At the Asian Nature Conservation Foundation, Centre for Ecological Sciences, Indian Institute of Science, Bangalore –560 012, since September 2011.
- **Guest Faculty:** At the Centre with Potential for Excellence in Biodiversity, Rajiv Gandhi University (Central University), Itanagar, Arunachal Pradesh from 12 – 17 Sep. 2013.
- **Visitor:** At the Centre for Ecological Sciences, Indian Institute of Science, Bangalore during 1990–1995.
- **Sálím Ali Nature Conservation Grant** awarded during Master of Philosophy in 1990 to work on Sloth bear (*Melursus ursinus*).

Research Recognition/Honor by College: 03 Nos.

- Recognized and honored for International Meeting Participation: 9th Asian Elephant Specialist Group (AsESG) Meeting in Bangkok, Thailand as a Member of IUCN-SSC AsESG, by A.V.C. College (Autonomous) on 5th September 2018 Teacher Day Celebration.
- Recognized and honored for Raising Research Grant (37 lakhs) and Two Research Paper Publication in Peer Reviewed Journal with >2.0 Impact Factor by A.V.C. College (Autonomous) on 5th September 2017 Teacher Day Celebration.
- Recognized and honored for achieving Citation Index >400 and One Research Paper Publication in Peer Reviewed Journal with >2.0 Impact Factor by A.V.C. College (Autonomous) on 5th September 2016 Teacher Day Celebration.

RESEARCH EXPERIENCE: 30 Years (since 1990)

- Assessment of Asian elephant population, their habitats, and studying their behavioural ecology across Eastern & Western Ghats and Eastern Himalayas since 1991 and assessment of Captive elephant population and welfare since 2003.
- Habitat assessment and behavioural ecology studies on other mammalian species such as Sloth bear, Malabar, and Grizzled Giant Squirrels and Four-horned antelope
- Assessment of Impact of Developmental Activities on Wildlife
- Assessment of vertebrate biodiversity
- Conducting workshop/training program on Population Estimate Techniques
- Coordinated and compiled regional level elephant census.

RESEARCH GRANTS & FELLOWSHIPS: 11 Grants totaling over 98.98 Lakhs

1. 2016 March: Funding Agency: Department of Science & Technology (SERB), New Delhi. **(Grant: Rs 26,96,600/-)**, **FILE NO. EMR/2016/001536**. Is Feral Horse, an Introduced Species, a Real Threat to Native Blackbucks in Point Calimere Wildlife Sanctuary, Southern India?
2016 November: Funding Agency: IUCN, New Delhi. **(Grant: Rs. 8,55,000/-)**. **Ref. No. P02212/Award No. AVIN 00017**. Developing Conservation Strategy for RET (Rare, Endangered and Threatened) species in Sahyadri Tiger Reserve, Maharashtra (Consultancy Project).
2. **2011-2012:** Funding Agency: Tamil Nadu Forest Department **(Grant: Rs. 60,000/-)**. **Ref. No. C. No. 5414/2012-M, Dated: 30-12-2012**. An Assessment on Population Size, Diet Composition and Habitat Selection by Grizzled Giant Squirrel *Ratufa macroura* (Pennant, 1769) in Srivilliputtur Grizzled Giant Squirrel Wildlife Sanctuary, Southern India.
3. **2010-2011.** Funding Agency: Karnataka Forest Department **(Grant: Rs. 1,00,000)** Ref. No. C2/WL/CR-2/2010-11, dated 09-03-2011. **Consultancy Project:** 2010 Synchronized Elephant Census data compilation and preparation of Final Report for Mysore Elephant Reserve, Karnataka Along with Prof. Raman Sukumar, CES, IISc, Bangalore.
4. **2010-2011:** Funding Agency: **Conservation International (Grant: Rs. 36,79,908)** Conservation of the Periyar–Agasthyamalai Corridor in the Southern Western Ghats: Knowledge Generation, Dissemination of Information and capacity Building for Key Stakeholders.
5. **2005-2007:** Funding Agency: **United States Fish & Wildlife Service (Grant: Rs. 20,32,000)**. Agreement No. 98210-4-G892. Conservation of the elephant population in the Anamalais - Nelliampathis and Palani Hills (Elephant Range - 9) Southern India.
6. **1999-2000:** Funding Agency: **Tamil Nadu Forest Department (Grant: Rs. 2,00,000)**. Status of smaller carnivores in Mudumalai Wildlife Sanctuary, Tamil Nadu.
7. **1999-2000:** Funding Agency: **Tamil Nadu Forest Department (Grant: Rs. 50,000)**. Population and age structure of Asian elephants (*Elephas maximus*) in Mudumalai Wildlife Sanctuary, Tamil Nadu.
8. **1998-1999:** Funding Agency: **Tamil Nadu Forest Department (Grant: Rs. 50,000)**. An ecological investigation on Four-horned antelope (*Tetracerus quadricornis*) in Mudumalai Wildlife Sanctuary, Tamil Nadu.
9. **1997-1998:** Funding Agency: **Tamil Nadu Forest Department (Grant: Rs. 1,00,000)**. Ecology of Malabar Giant Squirrel (*Ratufa indica*) in Mudumalai Wildlife Sanctuary, South India.
10. **1996-1997:** Funding Agency: **Tamil Nadu Forest Department (Grant: Rs. 67,000)**. Behavioural ecology of Sloth bear (*Melursus ursinus*) in Mudumalai Wildlife Sanctuary, South India.

11. **1990-1991:** Funding Agency: **Salim Ali Nature Conservation Fund Bombay Natural History Society, Bombay (Grant amount: Rs. 7,000)**. An ecological investigation on dietary composition and habitat utilization of Sloth bear (*Melursus ursinus* Shaw) in Mudumalai Wildlife Sanctuary, Tamil Nadu, South India.

TRAVEL GRANTS RECEIVED: (08 Nos. Rs. 2.64 Lakhs)

1. January 08, 2019: Funding Agency: **IUCN/SSC Asian Elephant Specialist Group**. Grant Amount: **Rs. 32000/-**. Purpose to participate in Asian Elephant Specialist Group Habitat Mapping Working Group Meeting held at **Pullman Hotel and Resorts Yangon, Myanmar** between 22nd and 26th January 2019.
2. May 15, 2018: Funding Agency: **IUCN/SSC Asian Elephant Specialist Group**. Grant Amount: **Rs. 20000/-**. Purpose to participate in the 9th Asian Elephant Specialist Group Meeting held at **Avani Riverside Hotel, Bangkok, Thailand** between 25th April 2018 and 27th April 2018 and contribute for conservation of Asian elephants.
3. February 27, 2017: Funding Agency: **International Union for Conservation of Nature India Office, New Delhi**. Grant Amount: **Indian Rs. 15,700/-**. To attend a meeting regarding an ongoing consultancy project Developing Conservation Strategy for RET (Rare, Endangered and Threatened) species in Sahyadri Tiger Reserve, Maharashtra (Consultancy Project) at IUCN Office New Delhi, between 27th February 2017 and 1st March 2017.
3. November 9, 2016: Funding Agency: **International Union for Conservation of Nature Asian Elephant Specialist Group**. Grant Amount: **Indian Rs. 12,003/-**. To attend the 8th Asian Elephant Specialist Group Meeting held in Guwahati, Assam between 10th and 12th October 2016 conducted by the specialist group in Hotel Vivanta, Guwahati, Assam.
4. October 20, 2015: Funding Agency: **Association of Indian Zoo & Wildlife Veterinarians (AIZWV)**. Grant Amount: **Indian Rs. 6480/-**. Purpose: **To present a paper on Asian elephants in International Symposium on Ecology and Health Management of Asiatic Elephant (*Elephas maxmius*)** held in New Delhi, India between 19th and 20th Nov. 2015.
5. 28 January 2015: Funding Agency: **LaCONES, CCMB, CSIR, Hyderabad, India**. Grant Amount: **Indian Rs. 8000/-** Purpose: To present a paper on Captive Asian Elephant in **National Workshop/Conference on Reproduction and Welfare of Endangered Animals in Conservation Breeding** held in LaCONES, Hyderabad, between 28th and 30th January 2015.
6. **November 2007:** Funding Agency: **Ford Foundation, U.S.A through Institute of International Education**. Grant Amount **1082 US\$ (Rs. 59510/-)**. Purpose: To present a paper in International Elephant Conservation and Research Symposium held in **Florida** between 2 and 4 November 2007.
7. **November 2007:** Funding Agency: **IUCN/SSC Asian Elephant Specialist Group**. Grant Amount: **500 US\$ (Rs. 27500/-)**. Purpose to present a paper in International Elephant Conservation and Research Symposium held in **Florida** between 2 and 4 November 2007.
8. **20 October 2006:** Funding Agency: **International Elephant Foundation, U.S.A**. Grant Amount: **1000 US\$ (Rs. 55000/-)**. Purpose: To present a paper in **International Elephant Conservation and Research Symposium held in Gilleleje, Copenhagen, Denmark** between 20 and 22 October 2006.

PUBLICATION GRANT RECEIVED: (01 No. Rupees One Lakh)

- Raised **US\$ 1506 (Rs. 100000/-)** towards manuscript processing fee by PLoS ONE Journal for a publication of M.Sc. Research Work on large cats in between March and April 2017.

ACADEMIC RESEARCH EXPERIENCE:

- **Post Doctoral Level:** Behavioural Ecology of Asian elephant in Northern West Bengal, North-eastern India- 2 year (2000-2002).
- **Doctoral Degree:** Ranging and resource utilization by Asian elephants (*Elephas maximus* Linnaeus) in Nilgiri Biosphere Reserve, South India –5 years study (1993-98).
- **Master of Philosophy:** An ecological investigation on the dietary composition and habitat utilization of Sloth Bear (*Melursus ursinus*) at Mudumalai Wildlife Sanctuary, Tamil Nadu (South India) - 6 months study (January -June 1990)
- **Master of Science:** Amphibians of Palani Hills, Tamil Nadu – 5 months study (December 1988- April 1989).
- **Bachelor of Science:** Piscivorous of Birds of Mannampandal – 3 months study.

ACADEMIC EXPERIENCE: 08 Years (Since 2011)

- **Teaching:** Since September 2011, teaching UG, and M. Phil. Zoology and P.G. Wildlife Biology at the Department Zoology A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai – 609 305.

MEMBER IN BOARD OF STUDIES: (07 Nos.)

- Member Board of studies held at the Dept. of Zoology A.V.C. College and Wildlife Biology for the Syllabus revision on April 04, 2019.
- Member Board of studies held at the Dept. of Zoology A.V.C. College and Wildlife Biology for the Syllabus revision on February 13, 2018.
- Member Board of studies held at the Dept. of Zoology A.V.C. College and Wildlife Biology for the Syllabus revision on March 23, 2017.
- Member Board of studies held at the Dept. of Zoology A.V.C. College and Wildlife Biology for the Syllabus revision on January 07, 2016.
- Co-opted member for the Board of studies held at the Dept. of Zoology A.V.C. College and Wildlife Biology for the Syllabus revision on September 09, 2014.
- Co-opted member for the Board of studies held at the Dept. of Zoology A.V.C. College and Wildlife Biology for the Syllabus revision on March 22, 2012.
- Participated in Board of Studies, held by Tamil Nadu State Council Higher Education Department Chennai on 13th October 2011 regarding M.Sc. Wildlife Biology syllabus discussion.

PUBLICATIONS: Published – 108 Nos. Impact Factors: 24.291, Citation Index: 766, h-index: 16, i10 index: 29.

Impact Factor Details:

Name of the Journal (Year of Publication)	ISSN No.	Impact Factor	Year
<i>Current Science</i> (2005) India	0011-3891	0.895	2005
<i>Current Science</i> (2010) India	0011-3891	0.94	2010
<i>Journal of Applied Animal Welfare Science</i> (2011) USA	1088-8705	0.69	2011
<i>Herpetology Notes</i> (2011) Germany	2071-5773	0.42	2011
<i>Mammalian Biology</i> (2011) Germany	1616-5047	1.694	2011
<i>Salamedra</i> (2012) Germany	0036-3375	1.000	2012
<i>Journal of Nature Conservation</i> (2012) Germany	1617-1381	2.100	2012
<i>Mammalian Biology</i> (2013) Germany	1616-5047	1.654	2013
<i>Biological Conservation Journal</i> (2015) USA	0006-3207	3.985	2015
<i>Applied Animal Behaviour Science</i> (2015) Netherlands	0168-1591	1.691	2015
<i>Mammalian Biology</i> (2016), Germany	1616-5047	1.478	2016
<i>Journal of Ethnopharmacology</i> (2017), USA	0378-8741	3.055	2016
<i>PLoS ONE</i> (2017) USA, San Francisco	1932-6203	3.057	2017
<i>South African Journal of Botany</i> Matieland, South Africa	0254-6299	1.442	2018
<i>Herpetological Review</i> (2019), California, USA	0018084X	0.190	2019
Total		24.291	

• **Publication in Journals: 49 Nos.**

- Mital, A., K. Vasudevan, S. Singh and **N. Baskaran**. 2019. *Morenia petersi* (Indian Eyed Turtle). Life History and Distribution. *Herpetological Review* 50 (1): 127–128. **Impact factor: 0.190**
- Ganesh, S.R., A. Kalaimani, P. Karthik, **N. Baskaran**, R. Nagarajan and S.R. Chandramouli. 2019. Herpetofauna of Southern Eastern Ghats, India – II From Western Ghats to Coromandel Coast. *Asian Journal of Conservation Biology*, 7(1): 28–45.
- Jayakumar, S., **N. Baskaran**, R. Arumugam, S. Sathishkuar and M. Pugazhenthii, 2018. Herbal medicine as a live practice for treating livestock ailments by indigenous people: A case study from the *Konar* community of Tamil Nadu. *South African Journal of Ecology* 118: 23–32. <https://doi.org/10.1016/j.sajb.2018.06.002>. **Impact factor: 1.442.**
- Vaz, J.P., E.J., Narayan, R.D. Kumar, K. Thenmozhi., K. Thiyagesan and **N. Baskaran**. 2017. Prevalence and determinants of stereotypic behaviours and physiological stress among tigers and leopards in Indian zoos. *PLoS ONE* 12(4): 1–27 e0174711. <https://doi.org/10.1371/journal.pone.0174711>. **Impact factor: 3.057.**
- Baja, N., A. Sankari, **N. Baskaran**, R. Nagarajan and M. Saravanan. (2017). Indian Giant Squirrel (*Ratufa indica*) Distribution pattern, Habitat Structure and Characteristics in the Grizzled Giant Squirrel Wildlife Sanctuary, Srivilliputhur, Tamil Nadu, India. *Ambient Science*, 04(1): 1–5. ISSN- 2348 5191 DOI:10.21276/ambi.2017.04.1.ra01.
- Jayakumar, S., S. Sathishkuar, **N. Baskaran**, R. Arumugam and V. Vanitha. (2017). Ethno-veterinary practices in Southern India for captive Asian elephant ailments. *Journal of Ethnopharmacology* 200: 182–204. ISSN: 0378-8741. <http://dx.doi.org/10.1016/j.jep.2017.02.039>. Elsevier Publisher, **Impact factor: 3.055.**

7. Baskaran, N., K. Ramkumaran, G. Karthikeyan. (2016). Spatial and dietary overlap between blackbuck (*Antelope cervicapra*) and feral horse (*Equus caballus*) at Point Calimere Wildlife Sanctuary, Southern India: Competition between native versus introduced species. *Mammalian Biology*. 81: 295–302 <http://dx.do.org/10.1016/j.mambio.2016.02.004>. Elsevier Publisher, **Impact factor: 1.478**.
8. Vanitha, V. K. Thiyagesan and N. Baskaran. (2016). Prevalence of stereotypies and its possible causes among captive Asian elephants in Tamil Nadu, India. *Applied Animal Behaviour Science*. 174: 137–146. ISSN: 0168-1591. <http://dx.doi.org/10.1016/j.applanim.2015.10.006>. Elsevier Publisher, **Impact factor: 1.691**.
9. Madhusudan, M.D., N. Sharma, R. Raghunath, N. Baskaran, C.M. Bipin, S.Gubbi, A.J.T. Johnsingh, J.Kulkarni f, H.N. Kumara, P. Mehta, R.Pillay and R. Sukumar. 2015. Distribution, relative abundance, and conservation status of Asian elephants in Karnataka, southern India. *Biological Conservation* 187: 34–40. ISSN: 0006-3207. <http://dx.doi.org/10.1016/j.biocon.2015.04.003>. Elsevier Publisher, **Impact Factor: 4.036**.
10. Rao, G.B., R. Nagarajan, M. Saravanan1 and N. Baskaran (2015). Activity Pattern and Food Habits of Grizzled Giant Squirrel (*Ratufa macroura*) in Srivilliputhur Grizzled Squirrel Wildlife Sanctuary, Tamil Nadu, Southern India. *International Letters of Natural Sciences* 5: 54–67. ISSN 2300-9675. DOI: 10.18052/www.scipress.com/ILNS.32.54.
11. Naresh, B., A. Sankari, N. Baskaran, V. Vasudeva Rao, M. Saravanan (2014). Population density of Indian Giant Squirrel (*Ratufa indica*) in Srivilliputhur Grizzled Giant Squirrel Wildlife Sanctuary, Tamil Nadu. *International Journal of Multidisciplinary Research and Development* 1(5): 37-41. ISSN: 2349-4182.
12. Baskaran, N. (2013). An overview of Asian elephant (*Elephas maximus*) in Western Ghats and its implication for Western Ghats Ecology. *Journal of Threatened Taxa*. 5 (14): 4854–4870. ISSN: 0974-7907. DOI: <http://dx.doi.org/10.11609/JoTT.o3634.4854-70>
13. Baskaran, N. and A. A. Desai. (2013). Frugivory and seed dispersal by Asian elephant (*Elephas maximus*) in the tropical forests of southern India. *Journal of Threatened Taxa*. 5 (14): 4893–4897. ISSN: 0974-7907. DOI: <http://dx.doi.org/10.11609/JoTT.o2848.4893-7>
14. Baskaran, N., G. Kannan, U. Anbarasan, A. Thapa and R. Sukumar. (2013). A landscape-level assessment of Asian elephant habitat, its population and elephant–human conflict in the Anamalai hill ranges of southern Western Ghats, India. *Mammalian Biology* 78: 470–481. ISSN: 1616-5047, DOI: <http://dx.doi.org/10.1016/j.mambio.2013.04.007>. **Impact Factor: 1.654**.
15. Vanitha, V. K. Thiyagesan and N. Baskaran. (2012). Population demography and viability of captive Asian elephants (*Elephas maximus*) in the timber camps of Tamil Nadu, Southern India. *Journal of Scientific Transaction in Environment Technovation* 6(2): 82–90. ISSN: 0973-9157.
16. Baskaran, N. U. Anbarasan and G. Agoramoorthy. (2012). India's Biodiversity hotspot under anthropogenic pressure—A case study of Nilgiri Biosphere Reserve. *Journal for*

Nature Conservation. 20: 56–61. ISSN: 1617-1381. DOI:10.1016/j.jnc.2011.08.004.
Impact Factor: 2.10.

17. Chandramouli, S.R., S.R. Ganesh, M. Saravanan and N. Baskaran. (2012). Record of the sea-shore skink *Eutrophis bibronii* in the Eastern Ghats of Southern India. *Salamendra* 48 (4): 241-242. ISSN: 0036-3375, **Impact Factor: 1.0.**
18. Baskaran, N. S. Varma, C.K. Sar and R. Sukumar. (2011). Current status of Asian elephant in India. *Gajah* 35: 47–54. ISSN: 0392-1391.
19. Baskaran, N., V. Kannan, K. Thiyagesan and Ajay A. Desai. (2011). Behavioural ecology of four-horned antelope (*Tetracerus quadricornis* Blainville, 1816) in the tropical forests of southern India. *Mammalian Biology* 76: 741–747. ISSN: 1616-5047, DOI: 10.1016/j.mambio. 2011.06.010. **Impact Factor: 1.694.**
20. Chandramouli, S.R., S.R. Ganesh and N. Baskaran. (2011). On the recent sightings of little-known south Indian toad *Duttaphrynus hololius* (Günther, 1876) with notes on its morphological characterization and ecology. *Herpetology Notes* 4: 271-274. ISSN: 2071-5773. **Impact Factor: 0.42**
21. Baskaran, N., Sanjay K. Srivastava and Ajay A. Desai. (2011). Some aspects of the ecology of Indian giant squirrel (*Ratufa indica* Erxleben, 1777) in the tropical forests of Mudumalai Wildlife Sanctuary, southern India and their conservation implications. *Journal of Threatened Taxa* 3(7): 1899-1908. ISSN: 0974-7907.
22. Baskaran, N., K. Senthilkumar and M. Saravanan. (2011). A new site record of the Grizzled Giant Squirrel (*Ratufa macroura* Pennant, 1769) in the Hosur Forest Division, Eastern Ghats, India and its Conservation Significance. *Journal of Threatened Taxa* 3(6): 1837–1841. ISSN: 0974-7907.
23. Vanitha, V., K. Thiyagesan and N. Baskaran. (2011). Prevalence of intestinal parasites among captive Asian elephants *Elephas maximus*: effect of season, host demography, and management systems in Tamil Nadu, India. *Journal of Threatened Taxa* 3(2): 1527–1534. ISSN: 0974-7907.
24. Vanitha, V., Thiyagesan, K. and Baskaran, N. (2011). Social life of captive Asian elephants (*Elephas maximus*) in southern India: Implication for elephant welfare. *Journal of Applied Animal Welfare Science (JAAWS)* 14: 42–58. ISSN: 1088-8705 Doi: 10.1080/10888705.2011.527603. **Impact Factor: 0.69**
25. Vanitha, V. and N. Baskaran. (2010). Seasonal and roofing material influence on the thermoregulation by captive Asian elephants (*Elephas maximus*) and its implications for captive elephant welfare. *Gajah* 33: 35–40. ISSN: 0392-1391.
26. Baskaran, N. and Desai, A. A. (2010). Does indigestible food remain in the scats of sloth bears (*Melursus ursinus*) represent actual contribution of various food items? *Journal of Threatened Taxa* 2: (13) 1387–1389. ISSN: 0974-7907.
27. Baskaran, N., Balasubramanian, M., Swaminathan, S. and Desai, A.A. (2010). Feeding ecology of Asian elephant (*Elephas maximus* Linn.) in tropical forests of Nilgiri Biosphere Reserve, Southern India. *Journal of Bombay Natural History Society* 107: (1) 3–13. ISSN: 0006-6982.
28. Vanitha, V., Thiyagesan, K. and Baskaran, N. (2010). Demography of captive Asian elephants (*Elephas maximus* Linnaeus) in three management systems in Tamil Nadu, India. *Journal of Bombay Natural History Society* 107: (1) 30–37. ISSN: 0006-6982.

29. **Baskaran, N.**, A. Udhayan and Desai, A.A. (2010). Status of Asian elephant (*Elephas maximus*) in Mudumalai Wildlife Sanctuary, Southern India. *Gajah* 32: 6–13. ISSN: 0392-1391.
30. Chelliah, K., G. Kannan, S. Kundu, N. Abilash, A. Madhusadan, **N. Baskaran** and R. Sukumar 2010. Testing the efficacy of chilli—tobacco rope fence as deterrent against crop raiding elephants. *Current Science* 99 (9): 1239-1243. ISSN: 0011-3891, Impact Factor: 0.94.
31. Kumaraguru, A., K. Karunanithi, S. Asokan and **Baskaran, N.** (2010). Estimating Asian elephant population in Dindugul, Kodaikanal and Theni Forest Divisions, Western Ghats Tamil Nadu. *Gajah* 32: 35–39. ISSN: 0392-1391.
32. Vanitha, V., Thiyagesan, K. and **Baskaran, N.** (2010). Status of mahouts and human–captive elephant conflict in three management systems in Tamil Nadu, India. *Indian Forester* 116 (6): 767–774. ISSN: 0019-4816.
33. **Baskaran, N.** and Boominathan, D. (2010). Road kill of animals by highway traffic in the tropical forests of Mudumalai Tiger Reserve, Southern India. *Journal of Threatened Taxa* 2(3): 753–759. ISSN: 0974-7907.
34. Vanitha, V., Thiyagesan, K. and **Baskaran, N.** (2010). Daily routine of captive Asian elephants (*Elephas maximus*) in three management systems in Tamil Nadu and its implication for elephant welfare. *Journal of Scientific Transaction in Environment Technovation* 3(3): 116–122. ISSN: 0973-9157.
35. Roy, M. **Baskaran, N.** and Sukumar, R. (2009). The Death of Jumbos on Railway Tracks in Northern West Bengal. *Gajah* 31: 36–39. ISSN: 0392-1391.
36. **Baskaran, N.** Subhamoy Das and Sukumar, R. (2009). Population, reproduction and management of captive Asian elephants (*Elephas maximus*) in Jaldapara Wildlife Sanctuary, West Bengal, India. *Indian Forester* 135(11): 1545–1555. ISSN: 0019-4816.
37. Vanitha, V., K. Thiyagesan and **N. Baskaran.** (2009). Socio-Economic Status of Elephant Keepers (Mahouts) and Human–Captive Elephant Conflict: A Case Study from the three management facilities at Tamil Nadu, Southern India. *Gajah* 30: 8-12. ISSN: 0392-1391.
38. Vanitha, V. and **Baskaran, N.** (2009). Effect of ambient temperature in different season and roofing material on ear flapping by Asian elephants in captivity– A study from Tamil Nadu, India. *Journal of Indian Veterinary Association Kerala (JIVA)*, 7(1): 22–27. ISSN: 0975-5195.
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37. **Baskaran, N.** Roy, M. and Sukumar R. (2008). Mitigation of human–elephant conflict using chili fence in three different rainfall gradients of India. **National Seminar on Management of Human-elephant**. Conducted by West Bengal Forest Department on Sep. 26 & 27, 2008 at Kolkata. *Abstract only*.
38. **Baskaran, N.**, S. Kumaravelu & S. K. Srivastava. (1998). Some aspects on the behaviour of Sloth bear (*Melursus ursinus*) in Mudumalai Wildlife Sanctuary, Tamil Nadu. Paper presented in **Seminar on Wildlife Research, Mudumalai Wildlife Sanctuary, Tamil Nadu** 6th March 1998. Conducted by the Tamil Nadu Forest Department. *Abstract only*.
39. **Baskaran, N.** (1995). Ranging and resource utilization by Asian elephant (*Elephas maximus*) in the Nilgiri Biosphere Reserve, South India. Paper presented in the **Seminar on "Recent trends in animal science research" Bharathidasan University, Tiruchirappally**. 1994. *Abstract only*. 38–39.

Books Chapter: 12 Nos.

1. Vanitha V., Thiyagesan K., **Baskaran N.** 2018. Does Southern Spotted Owllet *Athene brama brama* (Temminck, 1821) Serve as a Biocontrol Agent of Agricultural Pests? A Case Study from Cauvery Deltaic Region of Southern India. **In: Sivaperuman C., Venkataraman K. (eds) Indian Hotspots: Vertebrate faunal diversity, conservation and management, Springer, Singapore. Volume 2. Chapter 7, 139–149. ISBN: 978-981-10-6982-7. Doi: [10.1007/978-981-10-6983-3_7](https://doi.org/10.1007/978-981-10-6983-3_7).**
2. **Baskaran, N.**, R. Kanakasabai, and Ajay A. Desai. 2018. Ranging and Spacing Behaviour of Asian Elephant (*Elephas maximus* Linnaeus) in the Tropical Forests of Southern India. **In: Sivaperuman, K. & C. Venkataraman (eds.), Indian Hotspots: Vertebrate faunal diversity, conservation and management. Springer Publications, Volume 1, Chapter 15, PP 295–315. ISBN 978-981-10-6605-4.**
3. **Baskaran, N.**, R. Kanakasabai, and Ajay A. Desai. 2018. Influence of Ranging and Hierarchy on the Habitat Use Pattern by Asian Elephant (*Elephas maximus*) in the Tropical Forests of Southern India. **In: Indian Hotspots: In: Vertebrate faunal diversity, conservation and management. Sivaperuman, K. & C. Venkataraman (eds.), Springer Publications, Volume 1, Chapter 17, PP 345–358. ISBN 978-981-10-6605-4.**
4. Narayan, E., **Baskaran, N.** and Vaz, J. (2017) Conservation Physiology of Tigers: Integrating Stress Physiology and Behaviour to monitor their health and welfare in

- zoos. Intech Publishers. *In: Big Cats*, Chapter III, edited by Avadh B. Shrivastav and Keshav P. Singh, ISBN 978-953-51-3684-2, Print ISBN Pp 35-44.
5. **Baskaran, N.**, K. Senthilkumar and M. Saravanan. (2016). Mammalian Diversity in Hosur and Dharmapuri Forest Divisions, Eastern Ghats, Southern India. *In: Perspective on Biodiversity of India*. Bijukumar, A., Pradeep, N.S., Ajit Kumar, K.G. and Rajendran P.G. (Eds). Centre for Innovation in Science and Social Action, Thiruvananthapuram, India. Vol. II, Part 1, pp. 62–69. **ISBN: 978-81-929896-2-4**.
 6. Sankari. A., K. Thiyagesan, S. Jayakumar and N. **Baskaran**. (2016). Guild structure of spider (Araneae) in vegetable field. *In: Perspective on Biodiversity of India*. Eds. Bijukumar, A., Pradeep, N.S., Ajit Kumar, K.G. and Rajendran P.G. Centre for Innovation in Science and Social Action, Thiruvananthapuram, India. Vol. II, Part 1, pp. 414–419. **ISBN: 978-81-929896-2-4**.
 7. **Baskaran, N.** S. Venkatesh, S.K. Srivastava, A.A. Desai. (2015). On the behavioural ecology of Sloth bear *Melursus ursinus* Shaw in Mudumalai Wildlife Sanctuary, Western Ghats, India. *In: Animal Diversity, Natural History and Conservation*. Eds. Gupta, V.K. and A.K. Verma, M/s Daya Publishing House, New Delhi. Vol. 5 Pages 313–333. **ISBN 9789351306610**.
 8. **Baskaran, N.** and R. Sukumar. (2015). State of the Asian elephant (*Elephas maximus* Linnaeus, 1758) and its habitats in Nilgiri Biosphere Reserve, Southern India. *In: Animal Diversity, Natural History and Conservation*. Eds. Gupta, V.K. and A.K. Verma, M/s Daya Publishing House, New Delhi. Vol. 5 Pages 367–378. **ISBN 9789351306610**.
 9. Vanitha, V., K. Thiyagesan and **N. Baskaran**. (2015). A Comparison on the Population Status of Captive Asian elephant *Elephas maximus* in the Timber Camps of Tamil Nadu, India and Its Implications for Long-term Conservation. *In: Animal Diversity, Natural History and Conservation*. (Eds. Gupta, K. and A. K. Verma, M/s Daya Publishing House, New Delhi. Vol. 4 Pages 339–355. **ISBN 9789351306603**
 10. **Baskaran, N.**, R. Nagarajan, M. Saravanan and R. Suresh. (2013). Avifaunal composition in the Hosur and Dharmapuri Forest Divisions, Eastern Ghats, Southern India *In: Ecosystem Services and Functions of Birds*. Eds. Jayapal, R., S. Babu, G. Quadros, P.R. Arun, P. Pramod, H.N. Kumara and P.A. Azeez) Sailm Ali Centre for Ornithology Natural History, Coimbatore, November 2013, Pp 203–204. **ISBN. 81-902136-0-4**
 11. **Baskaran, N.**, M. Balasubramanian, S. Swaminathan & A. A. Desai. (1995). Home range of elephants in the Nilgiri Biosphere Reserve, South India. *In: Week with elephants. A Week with Elephants*. Eds. J. C. Daniel & H. S. Datye. Bombay Natural History Society, Pp 296–313. **ISBN: 0-19-563850-6, Oxford University Press, Boriveli, Bombay.**
 12. Balasubramanian, M., **N. Baskaran**, S. Swaminathan & A. A. Desai. (1995). Crop raiding by Asian elephants (*Elephas maximus*) in the Nilgiri Biosphere Reserve, South India. *In: Week with elephants. A Week with Elephants*. Eds. J. C. Daniel & H. S. Datye. Bombay Natural History Society, Pp 350–367. **ISBN: 0-19-563850-6, Oxford University Press, Boriveli, Bombay.**
- **Popular articles: 02 Nos.**
1. Vanitha, V., **N. Baksaran**, S. Jayakumar & M. Shanmuganantham. (2013). Elephant Morphology & Social Life and its implications for captive management. Illanger Muzhakkam. May 2013.
 2. **Baskaran, N.** (2006). Collaring to conserve the Asian elephants in Northern West Bengal. Popular article in Wildlife Trust Alliance **News Letter** in English Language.

REVIEWER OF JOURNAL RESEARCH ARTICLE: 28 Nos.

S. No.	Journal Name	Publisher (Country of Origin)	Ms. No.	Date of Review submission
01	PLoS ONE	PLoS ONE (San Francisco)	PONE-D-19-04266	Mar. 01, 2019
02	International Journal of Biometeorology	Elsevier Publisher (Netherlands)	IJBM-D-18-00419	Feb. 13, 2019
03	Journal of Comparative Endocrinology	Elsevier Publisher SAN DIEGO, USA	GCE-2018-575	Feb. 02, 2019
04	Journal of Applied Animal Welfare Science	Taylor & Francis (Netherlands)	HAAW-2018-0113	Nov-22-2018
05	Journal of Integrative Medicine	Elsevier Publisher China	JIM-06-2018-RE-0204	Oct-31-2018
06	Journal of Applied Animal Welfare Science	Taylor & Francis (Netherlands)	HAAW-2017-0100.R1	Sep -15-2018
07	Journal of Threatened Taxa	Zoo Outreach (India)	4292	Jul- 23-2018
08	Journal of Bombay Natural History Society	BNHS (India)	120984	Jun-07-2018.
09	Folia Zoologica	Academy of Sciences, Czech Republic Prague	FZ-2018-003.R1	May 16- 2018.
10	Current Science	Indian Academy of Science (India)	26392	Oct- 30-2017
11	Journal of Threatened Taxa	Zoo Outreach (India)	733	July 15, 2017.
12	Journal of Applied Animal Welfare Science	Taylor & Francis (Netherlands)	JAAWS2017-0057	June 02, 2017
13	Agriculture, Ecosystems and Environment Journal	Elsevier Publisher	AGEE17350	May 08, 2017
14	PLoS ONE	San Francisco	PONE-D-1614350 R2	Oct-04-2016
15	Current Science	Indian Academy of Science (India)		Sep- 14-2016
16	International Conference on Agriculture & Biological Sciences,	China	93749, 93757 & 97464	June 03-2016
17	Academic journal	Academic publishing	JENE/23.02.16/0561	Mar-23-2016
18	International Conference on Agriculture & Biological Sciences,	China	95365 & 95366	April 28, 2016
19	PLoS ONE	San Francisco	PONED1551713	Dec-29-2015
20	Journal of Threatened Taxa			2015
21	Mammalian Biology	Elsevier Publisher (Germany)	MAMBIO-D-14-00057	April 2014
22	International Journal of Biodiversity and Conservation	Academic Publisher,	IJBC-13.04.14-0714	May-5-2014
23	PLOS ONE	San Francisco		Feb - 2013
24	Journal of Threatened Taxa	Zoo Outreach (India)	o3008	May- 05-2012
25	Journal of Tropical Conservation Science	California, USA	Not applicable	Nov-15-2012
26	International Journal of Tropical Biology and Conservation	University of Costa Rica, (USA)	Not applicable	28 Jul - 2010
27	Journal Indian Forester	ICFRI, (India)	IF/51	Jan-12-2012
28	Proceeding of the National Academy of Sciences	NASI, (Allahabad, India)	B/B 50.11/2010	Jul-19-2011

RESEARCH PROJECTS Ongoing: 02 Nos.

- Since 2017 March: Is Feral Horse, an Introduced Species, a Real Threat to Native Blackbucks in Point Calimere Wildlife Sanctuary, Southern India? Department of Science & Technology (SERB), New Delhi, FILE NO. EMR/2016/001536. Grant Amount: Rs. **26,96,600/-**.
- Since November 2016: Developing Conservation Strategy for RET (Rare, Endangered and Threatened) species in Sahyadri Tiger Reserve, Maharashtra (Consultancy Project). Funding Agency: IUCN, New Delhi. Ref. No. P02212/Award No. AVIN 00017. Grant: Rs. **8,55,000/-**.

RESEARCH PROJECTS COMPLETED

1. Assessment of habitats, population and behavioural ecology at Landscape/Forest Division level for species-specific conservation/management plans and GIS database (**Asian elephant, Sloth bear, Malabar giant squirrel and Four-horned antelope**)

Aspect work	Title / Aim
Habitat evaluation/Ecology at Park Level (2011–2012) <i>Location:</i> Srivilliputtur Grizzled Giant Squirrel Wildlife Sanctuary	Assessment on Population Size, Diet Composition and Habitat Selection by Grizzled Giant Squirrel <i>Ratufa macroura</i> (Pennant, 1769) in Srivilliputtur Grizzled Giant Squirrel Wildlife Sanctuary, Southern India Aim: To assess the population of grizzled giant squirrels and their resource use in terms habitats and food species in the sanctuary, so as to understand the reasons as to why the species are dispersing into human habitation more.
Landscape level conservation planning using GIS & Remote Sensing (Since Jan. 2010– Feb. 2012) <i>Location:</i> Western Ghats	Conservation of the Periyar–Agasthyamalai Landscape in the Southern Western Ghats: Knowledge Generation, Dissemination of Information and capacity Building for Key Stakeholders Aim: To develop a conservation-planning database focusing on the elephant habitats of the Periyar–Agasthyamalai landscape
Landscape level elephant conservation planning using GIS & Remote Sensing (June 2005–2007) <i>Location:</i> Western Ghats	Conservation of the elephant population in the Anamalais—Nelliampathis & Palani Hills (project elephant range 9), Southern India Aim: To assess Asian elephant population, and their habitats, and conflict with people to produce a comprehensive conservation plan for the management of Asian elephants in the Anamalai landscape
Landscape assessment for elephant conservation using GIS & Satellite Images to create GIS database (2002–2004) <i>Location:</i> Western & Eastern Ghats	Mapping the elephant habitats, corridors and land use and vegetation patterns of Nilgiri–Eastern Ghats landscape Aim: To assess habitats of Asian elephant population across the landscape to produce management recommendations & GIS database for the conservation of the species landscape.
Conservation Action Planning of landscape species using Radio-telemetry (2000– 2004) <i>Location:</i> Eastern Himalayas	Study of elephants in Buxa Tiger Reserve and its adjoining area in Northern West Bengal and Preparation of Conservation Action Aim: To assess Asian elephant habitats, their population, ranging, and conflict with people to produce conservation plan for the management of Asian elephants in this region.
Habitat evaluation /reclamation (1995–2000) <i>Location:</i> Mudumalai WLS/TR	Studied the (1) Behavioural ecology of Sloth bear (<i>Melursus ursinus</i>), (2) Ecology of Malabar Giant Squirrel (<i>Ratufa indica</i>), and (3) Four–horned antelope (<i>Tetracerus quadricornis</i>) Aim: To assess the suitability of habitat conditions in Mudumalai

	WLS in supporting the three species and the suggestions for management interventions.
Behavioural Ecology of Asian elephant & management of their habitats 1991–1997 <i>Location: Western & Eastern Ghats</i>	Ranging and resource utilization by Asian elephant (<i>Elephas maximus</i> Linn.) in Nilgiri Biosphere Reserve, South India Aim: To address the management of Nilgiri Biosphere Reserve considering the ranging behaviour, habitat use and feeding strategy of the individual clans and bulls in the population.
Ecological investigation (1990) <i>Location: Mudumalai WLS/TR</i>	An ecological investigation on dietary composition and habitat utilization of Sloth bear (<i>Melursus ursinus</i> Shaw) in Mudumalai Wildlife Sanctuary, Tamil Nadu, South India.

2. Evaluation of impact of developmental / anthropogenic pressure on the biodiversity and natural habitats

Aspect work	Title / Aim
Evaluation of biodiversity & socio-economic & developmental activities impact on biodiversity (2009–2010 July) <i>Location: Eastern Ghats</i>	Assessment on the vertebrate biodiversity and Socio-economic status of people and their implications for the management of Hosur and its adjoining contiguous forests under Dharmapuri Division Aim: To assess biodiversity and socio-economic and developmental pressures on the biodiversity to devise an ecologically sound management plan
Assessment study (2009 March–September) <i>Location: Eastern Ghats</i>	Feasibility of Establishing Elephant Corridors in the Jharsuguda – Sambalpur Region of Orissa Aim: To assess the feasibility of developing viable elephant corridor/s to minimize the impact of this industry on the movement of elephants in this region
Evaluation study (2007) <i>Location: Western & Eastern Ghats</i>	Southern India Project Elephant Evaluation Aim: To evaluate the status /achievements of the Project Elephant activities by the State Forest Department
Impact assessment (2003–04) <i>Location: Mudumalai WLS/TR</i>	Impact of biotic pressure on the elephant habitats in Mudumalai WLS and its adjoining area Aim: To assess the impact of wood cutting and overgrazing by scrub cattle on the flora and its impact on elephant distribution
Impact Assessment 1998–99 <i>Location: Mudumalai WLS/TR</i>	Impact of highway traffic on the vertebrate fauna of Mudumalai Wildlife Sanctuary Aim: To assess the impact of highway traffic on vertebrate fauna (Directly: Road kills and Indirectly: Disturbance avoidance)

RESEARCH PROJECTS SUBMITTED: 04 Nos.

- Assessing the Population and Habitats of Endemic and Threatened Grizzled Giant Squirrel *Ratufa macroura* (Pennant 1779) in southern India, and Causes of its Dispersal and Conflict with Humans in the Adjoining Farm Fields of Srivilliputhur Grizzled Giant Squirrel Wildlife Sanctuary. Submitted to Ministry of Environment & Forest, Govt. of India in December 2018. Grant Amount: Rs. 43,32,900/-.
- Population Status of Grizzled Giant Squirrel *Ratufa macroura* (Pennant 1779) in Private Farmland Abutting Srivilliputhur Grizzled Giant Squirrel Wildlife Sanctuary, Causes of its Dispersal and Conflict with Human. Project Proposal submitted to the Tamil Nadu State Council for Science & Technology in November 2014. Grant Amount: Rs. 5,00,000/-.

- Effect of Grazing by Feral Horse (*Equus caballus*) and Domestic Cattle on Blackbuck (*Antelope cervicapra*, Linn.) in Point Calimere Wildlife Sanctuary, Southern India. Submitted to the University Grant Commission in August 2014. Grant Amount: Rs. 19,89,640/-.
- An Assessment of Population and Habitats of Grizzled Giant Squirrel *Ratufa macroura* (Pennant 1779) in Southern India, and Causes of its Dispersal and Conflict with Human in the Adjoining Farm Fields of Srivilliputhur Grizzled Giant Squirrel Wildlife Sanctuary. Submitted to Ministry of Environment & Forest, Govt. of India in October 2013. Grant Amount: Rs. 43,02,150/-.

PROJECT INVESTIGATOR/CO-ORDINATOR/TECHNICAL ADVISER: 09 Nos.

1. **Since April 2017:** Investigator to the project on ‘Is Feral Horse, an Introduced Species, a Real Threat to Native Blackbucks in Point Calimere Wildlife Sanctuary, Southern India?’ Department of Science & Technology (SERB), New Delhi, FILE NO. EMR/2016/001536.
2. **Since November 2016:** Investigator to the project on Developing Conservation Strategy for RET (Rare, Endangered and Threatened) species in Sahyadri Tiger Reserve, Maharashtra (Consultancy Project).
3. **From January 2012 to June 2012:** Investigator to the project on ‘An assessment of population size, diet composition and habitat selection by grizzled giant squirrel *Ratufa macroura* (Pennant, 1769) in Srivilliputhur Grizzled Giant Squirrel Wildlife Sanctuary, Southern India’.
4. From **January 2010 to December 2011:** Investigator to the project on “Conservation of the Periyar–Agasthyamalai Corridor in the Southern Western Ghats: Knowledge Generation, Dissemination of Information and capacity Building for Key Stakeholders”
5. From **May 2009 to April 2010:** Investigator to the project on “Vertebrate Biodiversity in Hosur Forest Division and its contiguous habitats in Dharmapuri Forest Division, Eastern Ghats, Southern India.
6. From **Jan. 2008 to Jan. 2010:** Technical Adviser to Mapping of elephant habitats in Orissa, the Central Indian elephant population.
7. From **July. 2004 to May 2006:** Investigator to the project on “Conservation of the elephant population in the Anamalai—Nelliampathis—Palani Hills (Project Elephant Range 9), Southern India.
8. From **Dec. 2002 to June 2004:** Coordinator to the project on “Evaluation and mapping of elephant habitats in the Elephant Range 7 and 8 (Nilgiri and Eastern Ghats)”.
9. From **Apr. 2002 to Mar. 2005:** Coordinator to the project on “Ecology of Asian elephant in the Northern West Bengal, Northeastern India”.

MANUAL PREPARED: 01 No.

- Varma, S., Baskaran, N. and Sukumar, R. 2012. Field Key for Elephant Population Estimation and Age and Sex Classification. Resource material for synchronized elephant population count using block count, line transect dung count method and waterhole count. Asian Nature Conservation Foundation, Innovation Centre, Indian Institute of Science, Bangalore - 560 012, Karnataka and Centre for Ecological Sciences, Indian Institute of Science, Bangalore - 560 012, Karnataka.

RESEARCH REPORTS: 23 Nos.

1. Ishmaell, S.A.F., C. K. Sar and **N. Baskaran**. 2016. Dry Season Spatial Distribution Patterns of Asian elephant *Elephas maximus* and Its Determinants in Sambalpur Elephant Reserve, Central India. Technical Report submitted to Asian Nature Conservation Foundation, Centre for Ecological Science, Indian Institute of Science, Bangalore – 560 012. Technical Report May 2016.
2. **Baskaran, N.**, Nagarajan, R Saravanan, S. and. Niraj, S.K. 2012. An assessment of population size, diet composition and habitat selection by grizzled giant squirrel *Ratufa macroura* (Pennant, 1769) in Srivillipthur Grizzled Giant Squirrel Wildlife Sanctuary, Southern India.
3. **Baskaran, N.**, K. Senthil Kumar, M. Saravanan, M. Selvakumar. 2013. Conservation of the Periyar–Agasthyamalai Landscape in the Southern Western Ghats: Knowledge Generation, Dissemination and Capacity Building for Key Stakeholders. Technical Report Asian Nature Conservation Foundation, Indian Institute of Science, Bangalore – 560 012. India. **ISBN: 978 81 909731 51.**
4. **Baskaran, N.** and R. Sukumar. 2010. Karnataka Elephant Census 2010. Technical Report to Karnataka Forest Department. Centre for Ecological Sciences, Indian Institute of Science, Bangalore & Asian Nature Conservation Foundation Indian Institute of Science, Bangalore, March 2011.
5. **Baskaran, N.** G. Nayak, M. Saravanan, K. Senthil Kumar, S.R. Chandramouli and K. G. Avinash. 2010. Vertebrate faunal diversity in Hosur Forest Division and its contiguous habitats in Dharmapuri Forest Division of Tamil Nadu. Summary Report Tamil Nadu Forest Department, May 2010.
6. **Baskaran, N.** and P. Venkatesh, 2009. Human–Elephant Conflict in Hosur Forest Division, Tamil Nadu, India. Interim Report to Hosur Forest Division. Asian Nature Conservation Foundation, Indian Institute of Science, Bangalore – 560 012. September 2009. 30pp.
7. Sukumar, R. C.K. Sar, S. Kundu, R.N. Pradhan, K.G. Avinash and **N. Baskaran**. 2009. Feasibility of establishing elephant corridors in the Jharsuguda—Sambalpur region of Orissa. Report Centre for Ecological Sciences, Indian Institute of Science, Bangalore–560 012, September 2009.
8. **Baskaran, N.**, Kannan, G. and Anbarasan, U. 2007. Conservation of the elephant population in the Anamalais, Nelliampathis and Palani Hills [Project Elephant Range 9]. Final Report to the United States Fish and Wildlife Service. Asian Elephant Research and Conservation Centre, C/o Centre for Ecological Sciences, Indian Institute of Science, Bangalore – 560 012, INDIA, September 2007.
9. **Baskaran, N.**, Kannan, G. and Sukumar, R. 2007. Southern India elephant Census – 2007. Report to the Karnataka Forest Department. Asian Elephant Research and Conservation Centre, Asian Nature Conservation Foundation, Innovation Centre, Indian Institute of Science, Bangalore – 560 012, INIDA. September 2007.
10. **Baskaran, N.**, Kannan, G., and Anbarasan, U. 2006. Resolving human-elephant conflict in Theni Forest Division, Tamil Nadu, Southern India. Report to Theni Forest Division. Asian Elephant Research and Conservation Centre, a Division of Asian Nature Conservation Foundation, Centre for Ecological Sciences, Indian Institute of Science Bangalore– 560 012, INDIA.
11. **Baskaran, N.**, Babu, N. Madhusudan, A., Prasad, A. and Sukumar, R. 2005. Southern India elephant Census – 2005. Summary report to the Karnataka Forest Department.

Asian Elephant Research and Conservation Centre, Centre for Ecological Sciences, Indian Institute of Science, Bangalore – 560 012, INDIA.

12. Das, S., **N. Baskaran** & R. Sukumar. 2004. A study on captive elephants of Jaldapara Wildlife Sanctuary, Northern West Bengal. Technical Report to Asian Elephant Research and Conservation Centre, C/o Centre for Ecological Sciences, Indian Institute of Science, Bangalore – 560 012, INDIA.
13. Sukumar, R., Venkataraman, A. B. Cheeran, J. V., Mujumdar, P. P., **Baskaran, N.**, Dharmarajan, G., Mukti Roy, Madhivanan, A, Suresh, H. S., and Narendran K. 2003. Study of elephants in the Buxa Tiger Reserve and adjoining areas in the northern West Bengal and preparation of conservation action plan. Final Report to the West Bengal Forest Department. Centre for Ecological Sciences, Indian Institute of Science, Bangalore – 560 012, INDIA, July 2003.
14. Sukumar, R., Venkataraman, A. B., **Baskaran, N.**, Dharmarajan, G., Mukti Roy, and Madhivanan, A. 2003. Resolving elephant-human conflicts in Asia – Ecology of Asian elephant in Buxa Tiger Reserve and Jaldapara Wildlife Sanctuary (West Bengal) in relation to elephant-human conflict. A report to the Liz Claiborne and Art Ortenberg Foundation. Asian Elephant Research and Conservation Centre [A division of Asian Nature Conservation Foundation], Centre for Ecological Sciences, Indian Institute of Science, Bangalore – 560 012, INDIA, June 2003.
15. Sukumar, R., Venkataraman, A. B., **Baskaran, N.** and Saandeep, R. 2002. Southern India Elephant Census 2002. Summary Report submitted to Tamil Nadu Forest Department – Asian Elephant Research & Conservation Centre, Centre for Ecological Sciences, Indian Institute of Science, Bangalore – 560 012, INDIA. July 2002.
16. Sukumar, R., Venkataraman, A., **Baskaran, N.**, Surendra Varama and Saandeep, R. 2002. Southern India Elephant Census 2002. Summary Report submitted to Karnataka Forest Department – Asian Elephant Research & Conservation Centre, Centre for Ecological Sciences, Indian Institute of Science, Bangalore – 560 012, INDIA. July 2002.
17. **Baskaran, N.** 2000. Population structure of elephant (*Elephas maximus*) in Periyar Tiger Reserve, Southern India. June 2000.
18. **N. Baskaran** & Desai, A. A. 2000. Population and age structure of Asian elephants (*Elephas maximus*) in Mudumalai Wildlife Sanctuary, Tamil Nadu. Technical Report Bombay Natural History Society, Bombay.
19. **N. Baskaran** & Desai, A. A. 1999. An ecological investigation on Four-horned antelope (*Tetracerus quadricornis*) in Mudumalai Wildlife Sanctuary, Tamil Nadu. Technical Report Bombay Natural History Society, Bombay.
20. Desai, A. A. & **N. Baskaran**. 1998. Ecology of Malabar Giant Squirrel (*Ratufa indica*) in Mudumalai Wildlife Sanctuary, South India. Technical Report Bombay Natural History Society, Bombay.
21. Desai, A. A. & **N. Baskaran**. 1997. Behavioural ecology of Sloth bear (*Melursus ursinus*) in Mudumalai Wildlife Sanctuary, South India. Technical Report Bombay Natural History Society, Bombay.
22. Desai, A. A. & **N. Baskaran**. 1996. Impact of human activities on the ranging behaviour of Asian elephants in the Nilgiri Biosphere Reserve, South India. Bombay Natural History Society, Bombay.

23. Daniel, J. C., A. A. Desai, N. Baskaran, M. Balasubramanian & S. Swaminathan. 1995. Radio-telemetry studies on Asian Elephant in the Nilgiri Biosphere Reserve, Southern India – *In: Ecology of Asian Elephants. Final Report 1983-1995.* Eds. J. C. Daniel & H. S. Datye. Bombay Natural History Society. Bombay.

GOVT. OF INDIA SCHEME EVALUATION

- Evaluated the Project Elephant Scheme, a Ministry of Environment & Forest, Govt. of India Scheme during 2007 for Southern India. August 2007.

MEMBER OF DOCTORAL COMMITTEE: 04 Nos.

- A **Member Doctoral Committee** for Ph.D. Scholar Mr. A. Kalaimani, Registered under Research Adviser Dr. R. Nagarajan, Dept. Zoology, A.V.C. College (Autonomous), Mannampandal, Mayiladuturai – 609 305. Bharathidasan University Communication Ref. No. 7440/Ph.D.K7/Zoology/Full Time/July 2015/Date: 5.02.2016.
- A **Member Doctoral Committee** for Ph.D. Scholar Mr. Arun Zachariah, Registered under Research Adviser Dr. J. Pandiyan, Dept. Zoology, A.V.C. College (Autonomous), Mannampandal, Mayiladuturai – 609 305. Bharathidasan University Communication Ref. No. 34800/Ph.D.K7/Zoology/Part Time/October 2014/Date: 30.04.2015.
- A **Member Doctoral Committee** for Ph.D. Scholar Ms. J. Kumari Brigit Amutha. Registered under Research Adviser Dr. J. Pandiyan, Dept. Zoology, A.V.C. College (Autonomous), Mannampandal, Mayiladuturai – 609 305. Bharathidasan University Communication Ref. No. 28452/Ph.D.K7/Zoology/Full Time/October 2013/Date: 02.01.2014.
- A **Member Doctoral Committee** for Ph.D. Scholar Mr. R. Kaliyamurthy, Registered under Research Adviser Dr. R. Nagarajan, Dept. Zoology, A.V.C. College (Autonomous), Mannampandal, Mayiladuturai – 609 305. Bharathidasan University Communication Ref. No. 45602/Ph.D.K7/Zoology/Full Time/Jan. 2014/Date: 04.05.2014.

Ph.D. THESIS EXTERNAL EVALUATION: 01 No.

- Ph.D. Thesis on " Functionality of wildlife corridors in the fragmented landscape of the Western Ghats, India: implications for conservation and management" submitted by Paramesha M., to Manipal University, Manipal, Karnataka on August 08, 2015.

VIVA-VOCE EXAMINER: 06 Nos.

- **Ph.D. Thesis on** " Functionality of wildlife corridors in the fragmented landscape of the Western Ghats, India: implications for conservation and management" submitted by Mr. Paramesha M., to **Manipal University, Manipal**. Viva-voce held on October 28, 2015 at the Auditorium, Ashoka Trust for Research in Ecology and the Environment (ATREE), Srirampura, Jakkur, Bangalore.
- **M.Phil. Thesis on** "Evaluation of Antibacterial and Antioxidant Activity of Citrullus colocynthis (L) leaves." submitted by Miss. G. Tamilselvi,. Part time M.Phil., Scholar in **Nehru Memorial College, Puthnampatti, Tiruchirapalli** Viva-voce on September 03, 2015.
- **M.Phil. Thesis on** "Sub-lethal effect of CUSO4 on Behaviour Haematory and Haematory Biochemical Variation of Mytus vittacus during the exposure and recovery

period." submitted by to **Nehru Memorial College, Puthnampatti, Tiruchirapalli** Viva-voce on September 03, 2015.

- **M.Sc. Dissertation** of the candidate for the course code - 11PZ420P - submitted to **Nehru Memorial College, Puthnampatti, Tiruchirapalli** Viva-voce on September 03, 2015.
- **M. Phil., Thesis on** Utilization of Clustal and Molecular Divergence Analysis of COI & 16S RNA gene sequences of Earthworm (Family: Moniligastridae) from Nehru Memorial College, Puthnampatti, Tiruchirapalli on 7th June 2014.
- **M. Phil., Thesis on** Multiple sequences of and molecular distance analysis of COI gene sequences of Earthworm (Family: Lumbricidae) from Nehru Memorial College, Puthnampatti, Tiruchirapalli on 7th June 2014.

ACADEMIC RESEARCH ADVISER (23 Nos.) & CO-ADVISED: 17 Nos.

Course	Adviser	Co-adviser	Completed
Ph.D.	04	02	02
M.Phil.	06	01	05
M.Sc.	13	14	27
Total	23	17	34

- **Research Adviser to M. Phil. Dissertation (04 No.)**
 1. Sathiyaraj, T. 2018. Medicinal plants use for human ailment by ethnic *Irula* tribe in Tiruvannamalai district, Tamil Nadu. **Master Philosophy Dissertation** in Zoology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. October 2018.
 2. Rajeswari, T. 2018. Prevalence and determinants of intestinal parasites among livestock in Tanjore district, Tamil Nadu. **Master Philosophy Dissertation** in Zoology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. June 2018.
 3. Manjula, S. 2018. Temporal variation in activity pattern of Three Striped-Palm squirrel *Funnambulus palmarum* (Linnaeus 1766) in A.V.C. College Campus, Mannampandal, Tamil Nadu. **Master Philosophy Dissertation** in Zoology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. February 2018.
 4. Chezian, B. 2017. Factors influencing the distribution and abundance of Three Striped-Palm squirrel *Funnambulus palmarum* (Linnaeus 1766) in A.V.C. College Campus, Mannampandal, Tamil Nadu. **Master Philosophy Dissertation** in Zoology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. June 2017.
- **Research Adviser to Post Graduate Dissertation in Wildlife Biology: 13 Nos.**
 1. Naveen, V. 2019. Comparison of Habitat Characteristics of Endangered Lion-tailed Macaque (*Macaca silemus*) in Two Forest Divisions of Kerala and Predicting Its Future Potential Habitat in Western Ghats Under Changing Climatic Conditions. **Post Graduate Dissertation** in Wildlife Biology submitted to A.V.C. College

- (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. April 2019.
2. Gupta, S. 2019. Assessing the Changes in Land Use and Land Cover by Invasive Species and Its Influence on Native Flora & Ungulates in Selected Protected Areas of Tamil Nadu, India Using GIS and Remote Sensing. **Post Graduate Dissertation** in Wildlife Biology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. April 2019.
 3. Khan, A.S. 2018. Drivers of physiological stress and behavioural diversity among captive Red Panda *Ailurus fulgens fulgens* (Cuvier, 1825) in North-eastern India. **Post Graduate Dissertation** in Wildlife Biology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. April 2018.
 4. Kesavan, B. 2018. Population and distribution pattern of Blackbuck *Antelope cervicapra* (Linnaeus, 1758) in Vallanadu Blackbuck Sanctuary, Tamil Nadu. **Post Graduate Dissertation** in Wildlife Biology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. April 2018.
 5. Himanshu. C. 2017. Playing detective: Using Non-invasive genetic sample to identify livestock depredation in Kanha Tiger Reserve, Madhya Pradesh. **Post Graduate Dissertation** in Wildlife Biology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. April 2017.
 6. Julee, J. 2017. Population demography, food and feeding of captive Asian elephants in eastern Arunachal Pradesh, India. **Post Graduate Dissertation** in Wildlife Biology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. April 2017.
 7. Marinath, L. 2017. Influence of environmental and biological variables and feeding enrichment on the behavior and physiological stress of Jungle cat (*Felis chaus*) in the zoos of Kerala, India. **Post Graduate Dissertation** in Wildlife Biology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. April 2017.
 8. Prashanth, E. 2016. Assessing the status of habitat, prey-predator and connectivity of Kawal—Tadoba Tiger Corridor in the Deccan Plateau of southern India. **Post Graduate Dissertation** in Wildlife Biology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. April 2016.
 9. Mital, A. 2016. Community structure and resource partitioning in fresh water turtles of Ghaghara and Sarju Rivers, Uttar Pradesh, India. **Post Graduate Dissertation** in Wildlife Biology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. April 2016.
 10. Arun, S. 2014. Influence of prey species abundance on the distribution and diet composition of Tiger (*Panthera tigris*) and Leopard (*Panthera pardus*) in Terai-Arc Landscape of Uttar Pradesh, India. **Post Graduate Dissertation** in Wildlife Biology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. March 2014.

11. Ramkumaran, K. (2013). Effect of feral horses on blackbuck (*Antelope cervicapra* Linnaeus, 1758) population in Point Calimere Wildlife Sanctuary, Southern India. **Post Graduate Dissertation** in Wildlife Biology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. April 2013.
 12. Karthikeyan, G. (2013). Prey preference of Golden Jackal (*Canis aureus* Linnaeus, 1758) in Point Calimere Wildlife Sanctuary, Southern India. **Post Graduate Dissertation** in Wildlife Biology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. April 2013.
 13. Maniraj, R. (2012). An assessment of population and habitat use of Grizzled Giant Squirrel (*Ratufa macroura*) in Srivilliputtur Wildlife Sanctuary, Southern India. **Post Graduate Dissertation** in Wildlife Biology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. April 2012.
- **Co-Adviser to the following** 17 Ph.D. (2 Nos.), M. Phil. (1 No.) & M.Sc. (14 Nos.) Scholars'/Students' Field Research Programs during 1998-2012.
 1. Mukti Roy. (2009). Habitat utilization and foraging ecology of Asian elephant (*Elephas maximus*) in Buxa Tiger Reserve and adjoining areas of Northern Bengal, West Bengal. **Doctor of Philosophy Thesis** in Zoology, **Vidyasagar University, Midnapore, West Bengal**. April 2009.
 2. Vanitha, V. (2007). Studies on the status and management of captive Asian elephants (*Elephas maximus*) at Tamil Nadu, Southern India. **Doctor of Philosophy** in Zoology, **Bharathidasan University, Tiruchirappalli, Tamil Nadu, India**. June 2007.
 3. Ishmaell, S.A.F. 2016. Influence of vegetation and biotic pressure on the abundance of Asian elephant (*Elephas maximus* Linnaeus 1758) in Sambalpur Elephant Reserve, Central India. **Post Graduate Dissertation** in Wildlife Biology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. April 2012.
 4. Naresh, B. (2012). Indian Giant Squirrel (*Ratufa indica*) Population size and habitat use of Grizzled Giant in Srivilliputtur Wildlife Sanctuary, Southern India. **Post Graduate Dissertation** in Wildlife Biology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. April 2012.
 5. Suresh, R. (2010). Population of Avifauna in the tropical forests of Hosur Forest Division in Tamil Nadu, Southern India **Post Graduate Dissertation** in Wildlife Biology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India. April 2010.
 6. Sundarraj, R.S. (2010). Population distribution and diet of smooth-coated otter (*Lutra perspicillata* Geoffroy) along the Cauvery River in Hosur and Dharmapuri Forest Divisions in Tamil Nadu. **Post Graduate Dissertation** in Wildlife Biology, submitted to Govt. Arts College, Udthagamandalam, The Nilgiris, affiliated by Bharathiyar University.
 7. Venkatesh, P. (2009). Human–elephant conflict in Hosur Forest Division, Tamil Nadu, India. **Master of Philosophy** dissertation in Zoology, submitted to A.V.C. College, Mayiladuthurai, Tamil Nadu. September 2009.

8. Rajkumar, K. (2007). A study of elephant-human conflict in the selected forest divisions of Elephant Range 9, Southern India. **Post Graduate Dissertation** in Zoology, submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
9. Thilagar, P. (2006). A study on population and habitat utilization of elephants in the Protected Areas of Elephant Range 9, Kerala. **Post Graduate Dissertation** in Zoology, submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
10. Venkatesh, K. (2006). Studies on population and spatial distribution of elephants in the Territorial Forest Divisions of Elephant Range 9, Kerala. **Post Graduate Dissertation** in Zoology, submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
11. Karunanithi, A. (2005). Elephant population at Dindugul, Kodaikanal and Theni Forest Divisions of Tamil Nadu, Southern India. **Post Graduate Dissertation** in Wildlife Biology submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
12. Sudhakar, N. (2005). A study of elephant population and its spatial distribution in dry season at Indira Gandhi Wildlife Sanctuary, Southern India. **Post Graduate Dissertation** in Wildlife Biology, submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
13. Harshad R. M. (2004). A study on elephant population and its habitats in the Northern West Bengal, Northeast India. **Post Graduate Dissertation** Wildlife Biology, submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
14. Anbarasan, U. (2003). Impacts of human disturbances on the elephant habitats of Mudumalai Wildlife Sanctuary, Southern India. **Post Graduate Dissertation** in Wildlife Biology, submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
15. Boominathan, S. (1999). Impacts of high way traffic on the selected fauna of Mudumalai Wildlife Sanctuary, South India. **Post Graduate Dissertation** in Wildlife Biology, submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
16. Kannan, V. (1998). Food habitats of Four-horned antelope (*Tetracerus quadricornis*) in Mudumalai Wildlife Sanctuary, Tamil Nadu South India. **Post Graduate Dissertation** in Wildlife Biology, submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.
17. Pazhanivel, G. (1998). Identification of scats of smaller cats of Mudumalai Wildlife Sanctuary using TLC method. **Post Graduate Dissertation** in Wildlife Biology, submitted to A.V.C. College (Autonomous) Mannampandal 609 305, affiliated by Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.

INVITED TALK / LECTURE: 14 Nos.

1. Invited talk on '**Implication of Asian elephant ranging behaviour on human-elephant conflict mitigation**' in the One-day Workshop on 'Technological Innovations to Address Human-Elephant Conflict: A Landscape Perspective' conducted by

Coimbatore Forest Division and WWF India at FCRI, Mettupalayam on 17th April 2018.

2. Invited Talk on “**Impact of Vehicular Traffic on the vertebrate fauna in Mudumalai Tiger Reserve in Nilgiri—Eastern Ghats, Southern India**” in the consultative meeting on “Linear Intrusions on Wildlife in the Western Ghats, organized by Wildlife Trust of India, Noida, in Vijay Park Inn Hotel, Coimbatore on 29th September 2015.
3. Delivered a special lecture on "**Status of Asian elephant in India**" at the Department of Zoology, Nehru Memorial College, Puthanampatti, Tiruchirapalli on September 03, 2015.
4. Delivered an **Invited Talk on "Elephant Families in Captivity"** at Rangoli Metro Art Centre, Bangalore for the Friends of Elephants on July 26, 2015.
5. Delivered an Invited Talk on '**Conservation of Major Landscapes in Southern Western Ghats: Knowledge Generation, Dissemination and Capacity Building for Key Stakeholders**' in National Workshop on Western Ghats Participatory Final Assessment conducted by Critical Ecosystem Partnership Fund, United States and ATREE, Bangalore held at Royal Orchid Resorts and Conservation Centre, Bangalore from 9-11th June 2015.
6. Delivered an Invited Talk on '**Captive Asian elephant population in three management systems in Tamil Nadu, their welfare and its implications for sustainability**' in National Workshop/Conference on Reproduction and Welfare of Endangered Animals in Conservation Breeding. Organized by LaCONES, CSIR, Hyderabad between 28th and 30th January 2015.
7. **Delivered an Invited Talk on Asian elephant conservation: Need for integrated land use and developmental planning at landscape level. In: International Workshop on Landscape Ecology: Land use optimization for coordinating regional development with conservation of endangered species.** Organized at Pondicherry University, Pondicherry, from 16th–18th December 2013.
8. Special lecture and practical courses on vegetation types of India and quantitative assessment of vegetation parameters for the students of Advance Diploma Course in Biodiversity in **Rajiv Gandhi University**, Itanagar, Arunachal Pradesh **from 12 to 17 September 2013.**
9. Special Lecture on “State of Asian elephants in India and their conservation importance” for the Wildlife Week Celebration at the **Dharmapuram Gnanambigai Government Arts College** Mayiladuthurai on **February 8, 2011.**
10. Delivered an Invited Talk on ‘Conservation and Management of Fragmented Elephant Habitats with Special Reference to Northern West Bengal’ In: **National Workshop on "Conservation of Asian Elephants in Fragmented Habitat: Issues and Challenges"** at Amity School of Natural Resources and Sustainable Development, Noida on **June 15-17, 2011.**
11. Delivered Invited Lecture on ‘**Method on Asian elephant Population Estimates**’ to District Forest Officers, Assistant Conservator Forests and Range Officers’ of Tamil Nadu Forest Department at Top Slip, Anamalai on 9th May 2010.
12. Delivered an Invited Talk on ‘**Management of Elephant Reserves in Southern India**’ to the Forest Department Officials from Sri Lanka in May 2009.

13. Given Two Lectures on “**Large Mammals Population Estimation Techniques**” to the Assistant Conservator of Forests, Range Officers and Foresters of Tamil Nadu Forest Department in the training programme conducted by the Southern Forest College, Coimbatore, Tamil Nadu Forest Department during **Dec. 2005 and Jan. 2006** for three batches.
14. Delivered an Invited Talk on ‘**Status of Asian elephant in Southern India**’ at the Dept. of Zoology A.V.C. College, Mannampandal, Mayiladuthurai in August 1998.

RESOURCE PERSON: 28 Nos.

1. As an expert on Large Mammal Population Estimate Technique invited as a **resource person to conduct ‘Wildlife Census 2018-19 in Guindy National Park’**, Chennai on 23rd and 24th February 2019.
2. As a member of IUCN Asian Elephant Specialist Group, attended the **AsESG Working Group Meeting** to contribute for finalizing the methodology for mapping of Asian elephant distribution across Range States held **at Pullman Hotel and Resorts Yangon, Myanmar** between 22nd and 26th January 2019, conducted by the Asian Elephant Specialist Group.
3. As an expert on Large Mammal Population Estimate Technique invited as a **resource person to conduct ‘Animal & Bird Census 2018 in Point Calimere Wildlife Sanctuary’**, Nagapattinam on 5th, 22nd and 23rd December 2018.
4. As an expert on Asian Elephant & a member of IUCN Asian Elephant Specialist Group, invited as a resource person for ‘**Gaj Yatra Campaign**’ undertaken by the Wildlife Trust of India (WTI) in partnership with the Ministry of Environment, Forest and Climate Change, Govt. of India on **August 12 to 15** at the **Indira Gandhi National Centre for the Arts, in New Delhi**.
5. As a member of IUCN Asian Elephant Specialist Group, invited to attend **9th AsESG Meeting** held in **at Avani Riverside Hotel, Bangkok, Thailand** between 25th April 2018 and 27th April 2018, conducted by the specialist group to contribute for conservation of Asian elephants.
6. As an expert on Asian Elephant and IUCN AsESG member invited as resource person for the **workshop on “Technological Innovations to Address Human-Elephant Conflict: A Landscape Perspective”** conducted by Coimbatore Forest Division in Mettupalayam on 17th April 2018.
7. Invited as a resource person invited to conduct ‘**Semester Practical Examinations**’ for Undergraduate Students of Zoology in Poompuhar College (Autonomous), Melaiyur on 15 & 16, December 2018.
8. As an expert on Large Mammal Population Estimate Technique invited as a **resource person to conduct ‘Annual Census 2017 in Guindy National Park’**, Guindy, Chennai on 17th February 2018.
9. As an expert on Asian elephant and IUCN AsESG member invited as resource person for the regional level ‘**Workshop on Elephant Corridor and Mitigation of Human–Elephant Conflict**’ in Thiruvananthapuram, Kerala held on 11th & 12th January 2018 by Project Elephant, Ministry of Environment, Forests & Climate Change, Govt. of India.
10. As an IQAC Coordinator, invited as a resource person for ‘**Faculty Development Programme**’ Organized by the Internal Quality Assurance Cell (IQAC), A.D.M. College for Women, Nagapattinam on January 06, 2018.

11. Co-chaired a Technical Session in **International Conference on Current Challenges in Conservation of Biodiversity**, held by P.G. & Research Dept. of Zoology & Wildlife Biology, A.V.C. College (Autonomous), Mannampandal – 609 305, Tamil Nadu, India, on 16th to 18th February 2017.
12. As a member of IUCN Asian Elephant Specialist Group, Chairman SSC-IUCN AsESG invited to attend **8th AsESG Meeting held in Guwahati, Assam** between 10th and 12th October 2016 conducted by the specialist group in Hotel Vivanta, Guwahati, Assam to contribute for conservation of Asian elephants.
13. Invited as a member of **Academic Performance Review Committee** to ADM College, Nagapattinam, Tamil Nadu on October 21, 2016.
14. As a Resource Person Invited and attended the "**State consultative meeting on Elephant Corridors of Tamil Nadu**" which was jointly organised by Tamil Nadu Forest Department, Project Elephant (Ministry of Environment, Forest and Climate Change) and Wildlife Trust of India (WTI) on 16th October 2015 at the Office of the Chief Wildlife Warden, Panagal Maligai, Saidapet, Chennai.
15. Resource person for **question paper scrutiny in Bharathiyar University**, Coimbatore on October 14, 2015.
16. Resource person for the State Level Workshop on "**Human–Wildlife Interface**" conducted by Periyar Tiger Reserve, Thekkady, Kerala Forest Department on 3rd March 2015.
17. Resource person for the "**Decennium Celebration of the Department of Botany in Vivekanandha College for Arts & Science for Women, Tiruchengode, Namakkal Dt. Tamil Nadu**" on 17th December 2014.
18. Resource person to the '**Consultative meeting for the preparation of State Level Action Plan for Conservation of Sloth Bear in Tamil Nadu**' conducted by the Tamil Nadu Forest Department & Wildlife Trust of India, Delhi on **3rd July 2012**.
19. Resource person to '**A consultative meeting for the preparation of proposal to declare the Srivilliputtur WLS and Megamalai Reserve Forests as a Tiger Reserve**' conducted by the Tamil Nadu Forest Department on **21st April 2012**.
20. Presided the **27th Annual Day of A.R.C. Kamatchi Matriculation Higher Secondary School**, Mayiladuthurai on 27th February 2012.
21. Resource person for the workshop on '**Field Compass handling and Survey of India Map Reading**' to the Forest Department Field Level Staff, Srivillipthur, Tamil Nadu on 23, October 2011.
22. As an expert on Asian Elephant, the **Western Ghats Ecology Expert Panel** Commissioned a paper on '**Ecology of Asian elephant and its implications for Western Ghats**' on 5th April 2011 by Centre for Ecological Sciences, Indian Institute of Science, Bangalore – 560 012.
23. Acted as Resource person to compile the data and Prepare Technical Report on '**Synchronized Elephant Census 2010**' for the Elephant Reserves of Tamil Nadu.
24. Acted as Resource person to talk about "**Methods of Asian elephant Population Estimate**" to the participants of Synchronized Elephant Census 2010 in Tamil Nadu held at Anamalai Tiger Reserve, Pollachi on May 9th 2010.
25. As an expert on Asian elephant behavioural ecology, since 2003 extending Technical Expertise on "**Management and Welfare of Captive Asian elephants**" managed at the Hindu Temples by Indian Culture and Heritage Trust.

26. Offered technical expertise on “**Wildlife and Jungle Training Programme**” conducted by Tamil Nadu Special Task Force for the new recruits of Sub-Inspectors of Tamil Nadu Police Department during **Dec. 2005**.
27. Offered technical expertise for “**Translocating a Problem Elephant**” from Hassan Forest Division to Bhadra Wildlife Sanctuary, Karnataka during **Apr. 2005**.
28. Offered technical expertise for “**Resolving Human-Elephant Conflicts in Kolapur Districts**” to the Maharashtra Forest Department during **Dec. 2004**.

WORKSHOPS AND TRAINING PROGRAMMES CONDUCTED: 10

1. As a faculty of department of Zoology and Wildlife Biology, conducted a **Two-day Workshop on GIS and Remote Sensing** on 3rd and 4th August 2018 for P.G. Students of Wildlife Biology at the Department of Zoology and Wildlife Biology, A.V.C. College (Autonomous) using Mr. Subhasish Arandhara, a Ph.D. Scholar at the Department of Zoology and Wildlife Biology, A.V.C. College (Autonomous)
2. As IQAC coordinator, conducted a Lecture cum Demonstration on **Five Steps (and a side step) Towards Success in Research** on 4th February 2017 for the Research Scholars, Post Graduate Students and Young Faculty Members of A.V.C. College (Autonomous) in collaboration with R & D Cell, A.V.C. College (Autonomous).
3. As IQAC coordinator, on 1st February 2017, organized a Special Lecture cum Demonstration on **Bibliographic Aids to Research: Using the Internet as a Library** for P.G. Students and M. Phil. Scholars of A.V.C. College (Autonomous) in collaboration with Library Information Service (LIS) of A.V.C. College (Autonomous).
4. As IQAC coordinator, conducted **one-day Workshop on “Need for Research Aptitude in Quality Teaching”** for the Young faculty members and M. Phil. Scholars of A.V.C. College (Autonomous) on **November 26, 2016** as IQA Coordinator, A.V.C. College (Autonomous).
5. Conducted **one-day Lecture on Capacity Building** for career interview for Staff and Post Graduate Students as IQAC Coordinator in collaboration with Department of English, A.V.C. College (Autonomous) conducted on **September 15, 2016**.
6. Conducted **one-day Workshop on “Scientific Writing”** for the faculty members of A.V.C. College (Autonomous) on **11th October 2014** as In-charge of Research & Development Cell, A.V.C. College (Autonomous) in collaboration with the IQAC of the College.
7. Conducted **one-day Workshop on “Training Programme on Line Transect Dung Count & Sample Block count methods for Estimating Elephant Population”** to the **Officers of Karnataka Forest Department** during **April 2007** for the purpose of Synchronized Elephant Census.
8. Conducted **Five Workshops on “Elephant Census Techniques”** one for the DFO’s, ACF’s Range Officers and four for the Filed Level staff of Forest Divisions belonging Elephant Range 9 of Kerala State during **Oct. 2005** as part of the Project on Conservation of Asian elephants in Anamalai Landscape.
9. Conducted one-day “**Training Programme on Line Transect Dung Count & Sample Block count methods for Estimating Elephant Population**” to the Officers of Karnataka Forest Department during **Jan. 2002** for the purpose of Synchronized Elephant Census.

10. Conducted **Three one-day Training Programme on Line Transect Methods to Estimate large mammals** in Mudumalai Wildlife Sanctuary between 1997 and 1999.

PARTICIPATION IN SEMINAR/CONFERENCE/SYMPOSIUM: 16 Nos.

1. Participated in **International conference on current challenges in conservation of biodiversity (Int4CB-2017)** held at the Dept. of Zoology & Wildlife Biology, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai, 609 305 on from 16th to 18th February 2017.
2. **Participated in Students' National Conference on Current Perspective of Biosciences (SCCPBs- 2016)** conducted by Dept. Zoology & Wildlife Biology, A.V.C. College (Autonomous) on 20th February 2016.
3. **Participated in International Conference on Ecology in Space and Time'** held in Indian Institute of Science, Bangalore by Centre for Ecological Sciences, Bangalore - 560 012 on 8th and 9th April 2015.
4. Participated in **International Conference on 'Herbal Medicine and Neuro-Endocrinology (InChMan 2014)**, conducted by Department of Zoology, Annmalai University, Annamlainagar – 608002, Chidambaram, Tamil Nadu, India on 13th October 2014.
5. **Participated in National Seminar on Biosciences and Conservation** conducted by Dept. Zoology & Wildlife Biology, A.V.C. College (Autonomous) on 10th and 11 March 2014.
6. **Participated in National Conference on Nilgiri Biosphere Reserve and Silver Jubilee Celebration.** Organized by Dept. of Zoology Govt. Arts College Udthagamandalam, The Nilgiris, Tamil Nadu – 643 002, on 28-30 Aug. 2013.
7. **Participated in National Seminar on Current Status and Future Perspectives of Research in Biological Sciences'** conducted by Research and Development Cell, A.V.C. College (Autonomous) on 9th January 2012.
8. **National Seminar on Conservation of Natural Resources** organized by P.G. Department of Zoology and Wildlife Biology, AVC College, Mayiladuthurai on 16 & 17 March 2012.
9. **National Seminar on Management of human-elephant conflict.** Conducted by West Bengal Forest Department in Kolkota 26-27 Sep. 2008.
10. **Seminar on Biodiversity Conservation, Chennai.** Conducted by the Tamil Nadu Forest Department during March 2007.
11. **International Elephant Conservation and Research Symposium,** Conducted by International Elephant Foundation in Orlando, **Florida.** November 2–4, 2007.
12. **International Elephant Conservation and Research Symposium,** Conducted by International Elephant Foundation in **Denmark** during October 2006.
13. **International Seminar on Human-elephant Conflict,** Conducted by International Elephant Foundation in **Sri Lanka** during June 2003.
14. **National Seminar on Wildlife Research, Mudumalai Wildlife Sanctuary, Tamil Nadu** 1998. Conducted by the Tamil Nadu Forest Department.
15. **National Seminar on "Recent trends in animal science research"** Conducted by Bharathidasan University, Tiruchirappally.
16. **International Seminar on the conservation of Asian elephant.** Conducted by Bombay Natural History Society, in Mudumalai Wildlife Sanctuary 1993 June.

WORKSHOP & TRAINING PROGRAMME ATTENDED: 16 Nos.

1. Participated the 96th **Orientation Programme** conducted by Bharathidasan University, Tiruchirapalli, from 3rd to 30th March 2017 (28 days).

2. Participated in the Training Programme on '**Esri Technology Exposition**' on 22nd September 2015 at Hotel Crowne Plaza, Chennai. Conducted by ESRI, India.
3. Participated in **Faculty Refreshment Programme** organized by IQAC, on January 24, 01, 2015. at A.V.C. College Mannampandal 609 305.
4. Participated in **Eco-Friendly and Sustainable Shrimp / Prawn Farming / Diversified Aquaculture** Conducted by Marine Product Export Development Authority, Regional Centre Aq., Nagapattinam on 25th January and 1st March 2014
5. Participated in **International Workshop on Landscape Ecology**: Land use optimization for coordinating regional development with conservation of endangered species, held at Pondicherry University, Puducherry on 16th to 18th December 2013.
6. Participated in '**Exhibition cum workshop on Environment**'. Organized by Government of Tamil Nadu and PG. and Research Department of Zoology, Mannampandal, Mayiladuthurai on 25th March 2013.
7. Training programme on **Introduction to ENVI 4.8** on 12th September 2012. Conducted by ESRI India at A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai – 609 305
8. Training programme on **Introduction to Arc GIS** on 11th September 2012. Conducted by ESRI India at A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai – 609 305
9. Workshop on **E-Content Preparation** from 22 to 25th August, 2012. Conducted by ESRI India at A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai – 609 305
10. Workshop on **Geographic Information System** and Digital Archaeological Mapping. on 3rd April 2012. Department of Epigraphy and Archaeology, Tamil University Thanjavur.
11. Workshop on '**Lab to Land Technique** from 10th to 13th January 2012. Conducted by Department of Zoology A.V.C. College, Mannampandal, Mayiladuthurai – 609 305
12. Workshop on **Question Bank for Part A Question** on 26th & 27th December 2011. Conducted by AVC College Mannampandal, Mayiladuthurai – 609 305
13. Workshop on **Taxonomy, Ecology, Identification and Enforcement of issues of Marine species of Gulf of Mannar Biosphere Reserve** from 24th to 25th February 2011. Conducted by Tamil Nadu Forest Department, Tuticorin.
14. Attended the "**Workshop on Behavioural Ecology**" conducted by the Animal Behaviour Unit, Jawaharlal Nehru Centre for Advanced Studies & Centre for Ecological Sciences, Indian Institute of Science, Bangalore from 7th to 19th October 1996.
15. Workshop on **Avian Conservation in India** conducted on 3rd to 6th August 1993, by Salim Ali Centre for Ornithology & Natural History, Kalampalayam, Coimbatore – 641010.
16. Workshop on **National Environmental Awareness Campaign** for State Level Teacher Training cum Workshop conducted from 4th to 6th December 1989. Conducted by A.V.C. College Mannampandal.

TECHNICAL EXPERTISE OFFERED: 13 Nos.

1. Co-ordinated and compiled Guindy Animal Census 2018-19 data and submitted a Technical Report to Guindy National Park, Chennai, Tamil Nadu.
2. Co-ordinated and compiled Point Calimere Wildlife Sanctuary Animal Census 2018-19 data and submitted a Technical Report to Point Calimere Wildlife Sanctuary, Nagapattinam, Tamil Nadu.
3. Co-ordinated and compiled Guindy Animal Census 2017-18 data and submitted a Technical Report to Guindy National Park, Chennai, Tamil Nadu.
4. Compiled Synchronized Elephant 2010 Census Data and produced Technical Report for Tamil Nadu and Karnataka States.
5. Compiled Synchronized Elephant 2007 Census Data and produced Technical Report for and Karnataka State.
6. Compiled Synchronized Elephant 2005 Census Data and produced Technical Report for and Karnataka State.
7. Compiled Synchronized Elephant 2002 Census Data and produced Technical Report for Tamil Nadu and Karnataka States.
8. Radio collared sixteen Asian elephants including five in the Deciduous Forest of Mudumalai Wildlife Sanctuary, southern India during 1991 and 11 in the lowland rainforest of Northern West Bengal during 2001-2005.
9. Member of the organizing committee for the “Workshop on Large Mammals Census Techniques” conducted for the Forest Officers of Northern West Bengal by the Centre for Ecological Sciences, Indian Institute of Sciences, Bangalore during January 2003.
10. Member of the organizing committee for the “Workshop on Chemical Immobilization of elephants” in Buxa Tiger Reserve, West Bengal conducted by the Centre for Ecological Sciences, Indian Institute of Sciences, Bangalore during January 2001.
11. Designed and coordinated “Annual Wildlife Census in the Tamil Nadu portion of the Nilgiri Biosphere Reserve” from 1995 -2000 for the Tamil Nadu Forest Department using Line transect, Block count and pugmark count.
12. Involved in “Tranquilizing and capturing a male Asian elephant” that sustained injury in the course of crop raiding during 1997 in Wayanad Wildlife Sanctuary, Kerala.
13. Member of the organizing committee for the “International Seminar on Conservation of Asian elephant” conducted by the Bombay Natural History Society in Mudumalai Wildlife Sanctuary during June 1993.

ORGANIZER OF GUEST LECTURES AND INVITED TALKS: 11 Nos.

1. Organized an **Invited Talk on “Biotechnological Tools in Wildlife Conservation”** inviting Dr. G. Umopathy, Principle Scientist and Project Leader, LaCONES, CSIR- Centre for Cellular and Molecular Biology, Hyderabad, for the Post Graduate students of Wildlife Biology, Microbiology and Biotechnology on October 16, 2018 in A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai - 609 305.
2. Organized a UGC Sponsored Guest Lecture Series on **Taxonomic Study in Indian Herpetofauna** inviting Dr. S.R. Ganesh, Scientist, Snake Park who is an expert on herpetofauna in India for the first year M.Sc. Wildlife Biology students over a period of

two days on 20th and 21st August 2018 at the Dept. of Zoology, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai - 609 305.

3. Organized an UGC sponsored "**Guest Lecture on Evolution of Forestry in India**" inviting Dr. K.S. Devadass, a Retired District Forest Officer (DFO) of Tamil Nadu State and an expert in Forestry and its Management, to hold a lecture series on Forestry and Silviculture for the first year M.Sc. Wildlife Biology students over a period of two days from 26th-27th March, 2018 at the Dept. of Zoology, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai - 609 305.
4. Organized the "**Prof. R. Balasubramanian Endowment Lecture**" inviting Dr. S.R. Ganesh, Scientist, Snake Park who is an expert on herpetofauna in India, to hold a lecture series on **Taxonomical Studies on Indian Herpetofauna** for the first year M.Sc. Wildlife Biology students over a period of two days on 23rd and 24th August 2017 at the Dept. of Zoology, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai - 609 305.
5. Organized a **Guest Lecture** inviting Dr. Devadass, a Retired District Forest Officer (DFO) of Tamil Nadu State and an expert in Forestry and its Management, to hold a lecture series on **Forestry and Silviculture Practices in India** for the first year M.Sc. Wildlife Biology students over a period of two days from 11th – 12th January, 2017 at the Dept. of Zoology, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai - 609 305.
6. Organized the "**Prof. R. Balasubramanian Endowment Lecture**" inviting Dr. K.S. Devadass, a Retired District Forest Officer (DFO) of Tamil Nadu State and an expert in Forestry and its Management, to hold a lecture series on Forestry and Silviculture for the first year M.Sc. Wildlife Biology students over a period of two days from 1st – 2nd February, 2016 at the Dept. of Zoology, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai - 609 305.
7. Organized the "**Prof. R. Balasubramanian Endowment Lecture**" inviting Dr. Devadass, a Retired District Forest Officer (DFO) of Tamil Nadu State and an expert in Forestry and its Management, to hold a lecture series on **Forestry and Silviculture** for the first year M.Sc. Wildlife Biology students over a period of two days from 23rd-24th February, 2015 at the Dept. of Zoology, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai - 609 305.
8. **Evolution of Forestry in India'** inviting Dr. Devadass, a Retired District Forest Officer (DFO) of Tamil Nadu State and an expert in Forestry and its Management, to hold a lecture series on Forestry and Silviculture for the first year M.Sc. Wildlife Biology students over a period of two days from 20th-21st January, 2014 at the Dept. of Zoology, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai - 609 305.
9. Organized an UGC sponsored "**Guest lecture on Social Organization of Lions**" by inviting Dr. Meena Venkataraman, Freelance Researcher, from, Mumbai & Former Ph.D., Scholar of Wildlife Institute of India, on November 22, 2014 at the Department Zoology for the students of M.Sc. Wildlife Biology and Zoology students.
10. As an In-charge of Research and Development Cell, organized a Video Conferencing Lecture by Dr. Guha Dharmarajan, from IISER, Kolokata on the "**Use of Molecular Tool in Ecological Studies**" for the Post Graduate students of Wildlife Biology, Zoology and Biotechnology courses on September 22, 2014.
11. Organized an UGC sponsored "**Guest Lecture on Evolution of Forestry in India**" inviting Dr. Devadass, a Retired District Forest Officer (DFO) of Tamil Nadu State and an expert in Forestry and its Management, to hold a lecture series on Forestry and

Sylviculture for the first year M.Sc. Wildlife Biology students over a period of two days from 20th-21st January, 2014 at the Dept. of Zoology, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai - 609 305.

CENSUS & FIELD TRIP ORGANIZED/COORDINATED/ACCOMPANIED: 14 Nos.

1. Coordinated the Annual Animal Census 2018-19 in Guindy National Park, Guindy Chennai using First Year Post Graduate Students of Wildlife Biology and along with the support of Biologist, Range Officer and Field staff on February 22nd & 23rd, 2019.
2. Coordinated the Animal and Bird Census 2017-18 to assess the impact of Gaja Cyclone at Point Calimere Wildlife Sanctuary, Nagappattinam using First Year Post Graduate Students of Wildlife Biology from A.V. C. College, Mannmpandal and along with the support of Range Officer and Field staff on December 05, 22 & 23, 2018.
3. Organized an education/field trip for M.Sc. Wildlife Biology Students (II Year) to Snake Park, Chennai, Museum Chennai, Arignar Anna Zoological Park Vandalur from September 23 to 27, 2018.
4. Organized an education/field trip for M.Sc. Wildlife Biology Students (II Year) to Pichavaram Mangrove and Veeranam Lake, Chidambaram for showing wetland habitats, flora and fauna on September 19, 2018.
5. Organized an education/field trip for M.Sc. Wildlife Biology Students (II Year) to Point Calimere Wildlife Sanctuary, for demonstrating line transect direct sighting method and vegetation assessment technique on August 4, 2018.
6. Coordinated the Annual Animal Census 2017-18 in Guindy National Park, Guindy Chennai using First Year Post Graduate Students of Wildlife Biology and along with the support of Biologist, Range Officer and Field staff on February 16, 2018.
7. Organized an education/field trip for M.Sc. Wildlife Biology Students (I Year) to Point Calimere Wildlife Sanctuary, for demonstrating vegetation assessment technique on January 22, 2018.
8. Accompanied the First year M.Sc. Wildlife Biology Students to Sathiyamangalam Tiger Reserve for Tiger Census on January 8 and 9, 2018.
9. Accompanied the First year M.Sc. Wildlife Biology Students to Annual Tiger Census Programme held Anamalai Tiger Reserve, Pollachi from 7th to 14th Jan. 2016.
10. Accompanied the First year M.Sc. Wildlife Biology Students for National Workshop on "Identification and Preparation Keys for Venomous Snakes conducted at Dept. of Zoology, Govt. College Ooty on 26th to 27th August 20015 and for Field Trip to Mudumalai Tiger Reserve, Nilgiris, 28th to 30th August 2015.
11. Accompanied the First year M.Sc. Wildlife Biology Students to Animal Census Programme held Megamalai Wildlife Sanctuary, Theni from 5th to 8th March 2015.
12. Accompanied the First year M.Sc. Wildlife Biology Students to Veeranam Lake for World Wetland Celebration Day on February 02, 2015.
13. Accompanied the First year M.Sc. Wildlife Biology Students to Annual Tiger Census Programme held Anamalai Tiger Reserve, Pollachi from 13th to 16th Dec. 2014.
14. Organized a field trip to Sathiyamangalam Tiger Reserve, Tamil Nadu and accompanied the M.Sc. Wildlife Biology First Year Students and Demonstrated the Sampling Methods on Animal Population (Line Transects: Direct / Indirect), Vegetation Analysis and Identifying the Tracks and Signs of Wild Animals during September 2014.

EXTRA CURRICULAR ACTIVITIES (Nos. 13)

1. Coordinator CPE Second Phase Grant to A.V.C. College (Autonomous) – Since August 16, 2018.
2. Coordinator of Students' Internet Club, since June 2018.
3. IQAC Coordinator A.V.C. College (Autonomous) Sep. 2016 – Oct. 2017.
4. In-charge of Research and Development Cell, A.V.C. College (Autonomous) from 2014 (August) to 2016 (August).
5. Coordinator of Students' Internet Club from July 2014-15 to 2016-17, since June 2018.
6. Member of Student Project Progress Monitoring Committee January 2015.
7. Member of Office Automation Committee, A.V.C. College (Autonomous) in 2014.
8. Member of Student Admission Application Review Committee since 2012 to 2016.
9. Member of the 2012 Independence Day Celebration in A.V.C. College (Autonomous).
10. Chairperson of the Annual Day Celebration of A.R.C. Kamatchi Matric. Higher Secondary School April 2012.
11. Member in "National Seminar on Conservation of Natural Resources" NASCON-2012.
12. Member in College "Convocation Day" Celebration held at A.V.C. College in 2012.
13. Member in College "Sports Day" Celebration held at A.V.C. College in 2011 & 2012.

AS COORDINATOR OF IQAC

- Compiled and submitted the **2015-16** AQAR to NAAC on June 02, 2017.
- Compiled and submitted the **2017 NIRF Report** to MHRD in December 2016 and our College obtained 43rd Rank at all India level.
- Coordinated the **Autonomous Review Committee Visit** on 6th and 7th October 2016 for Autonomous Evaluation and Extension and UGC extended the Autonomous status up to 2022.

AS IN-CHARGE OF RESEARCH & DEVELOPMENT CELL

- Opened the Google Scholar Account for A.V.C. College (Autonomous).
- Insisted and aided all faculty members of the college to open Google Scholar Account.
- Introduced open pre-submission presentation of M. Phil. Research Project by the Scholars from 2016-17 onwards.
- Introduced pre-submission presentation of M. Sc. Research Project at department level by the Students from 2016-17 onwards.
- Organized a Video Conferencing Lecture by Guha Dharmarajan, from IISER, Kolokata on the "**Use of Molecular Tool in Ecological Studies**" for the Post Graduate students of Wildlife Biology, Zoology and Biotechnology courses on September 22, 2014.
- Aided in preparing the AQAR of 2013-14, and 2014-15 and 2016 NIRF Report.
- As a sub-committee member aided in preparing CPE Second Phase Proposal during March 2016.

AS A FACULTY AT THE DEPARTMENT OF ZOOLOGY & WILDLIFE BIOLOGY

To enhance understanding on subject and promote research aptitude among post graduate students took following initiatives.

- Catalyzed the post graduate students to participate in the training programme/workshops/conference took place outside the college level like SCCS, YETI, SERB School of Herpetology.

- Motivated and aided the students to take up summer internship programme available with Indian Academy of Science, Bangalore and other Research Institutions like IISER, JNCASR, CCMB and TIFIR. Since 2014 seven students were selected Indian Academy of Science Summer Internship Programme.

SOCIAL ACTIVITY: 04

- Served as Presiding Officer for the 2019 General Elections to Lok Sabha in 160 Sirkazhi Assembly Constituency at Polling Station Number/Name: 196/Sattanathapuram and Election Team Code: 189 on April 18, 2019.
- Served as Presiding Officer for the 2016 General Elections to Tamil Nadu Legislative Assembly in 160 Sirkazhi Constituency at Polling Station Number/Name: 17/Manganampattu Thirumailadi (P) and Election Team Code: 75 on May 16, 2016.
- Served as Presiding Officer for the 2014 General Election to Lok Sabha in 165 Vedaranyam Assembly Constituency at Polling Station Number/Name: 29/Thulasapuram and Election Team Code: 32 on April 24, 2014.
- Served as invigilator for the TNPSC Group II Examination conducted on 12th August 2012 at A.V.C. College.

EMPLOYMENT:

- Since October 12, 2013, working as **Assistant Professor** at the Department of Zoology, AVC College (Autonomous) Mannampandal, Mayiladuthurai 609 305. Pay Rs. 15,600-39100-AGP 6000.
- **September 2011 to 11th October 2013** worked as **Selection Grade Lecturer** at the Department of Zoology, AVC College (Autonomous) Mannampandal, Mayiladuthurai 609 305. Pay Rs. 15,390/- and Since 2013 July Rs. 22500/-
- **April 2007- August 2011** worked as **Senior Research Scientist** with Asian Nature Conservation Foundation, Innovation Centre, Indian Institute of Science, Bangalore, India coordinating Research Projects. Pay Rs. 44,430/-: Scale 30000-900-39000.
- **2002 April – March 2007** worked **Research Scientist** with **Asian Elephant Research and Conservation Centre**, a Division of Asian Nature Conservation Foundation, C/o Centre for Ecological Sciences, Indian Institute of Science coordinated long term Research Projects. Pay Rs. 18,600/-: Scale 10325-325-15200
- **2000 November – 2002 March.** Worked with Centre for Ecological Sciences, **Indian Institute of Science** as a **Post-Doctoral Fellow**. Studied the behavioural ecology of Asian elephant in the fragmented habitats of North Bengal using Radio-telemetry. Pay Rs. 10,550 Consolidated (Con.)
- **2000 (May - October).** **Research Officer** at the **Asian Elephant Research and Conservation Centre**. Took up short-term studies on the Demography of Asian elephant in Periyar Tiger Reserve, Kerala and Wildlife Corridor survey in Kollegal-Chamraj Nagar Forest Divisions. Pay Rs. 10,000/- Con.
- **1999 March – 2000 April.** Worked with **Bombay Natural History Society** as an **Investigator** in a project entitled as “Population and age structure of Asian elephant (*Elephas maximus*) in Mudumalai Wildlife Sanctuary, Tamil Nadu”. Pay Rs.
- **1998 September – 1999 February.** Worked with **Bombay Natural History Society** as an **Investigator** in a project entitled as “An ecological investigation on Four-horned

8000/- Con. antelope (*Tetracerus quadricornis*) in Mudumalai Wildlife Sanctuary, Tamil Nadu. Pay Rs. 5000/- Con.

- **1997 June 1998 May. Senior Research Scholar** for the Bombay Natural History Society's project on "Ecology of Malabar Giant Squirrel (*Ratufa indica*) in Mudumalai Wildlife Sanctuary, South India". Pay Rs. 5000/- Con.
- **1996 June –1997 May. Senior Research Scholar** for the **Bombay Natural History Society's** project on "Behavioural ecology of Sloth bear (*Melursus ursinus*) in Mudumalai Wildlife Sanctuary, Tamil Nadu". Pay Rs. 3000/- Con.
- **1991 January -1996 May. Research Scholar** for the **Bombay Natural History Society** in the project on "Ecology of Asian elephants". Studied in detail the ranging, feeding and crop-raiding behaviour and habitat use of Asian elephant in Nilgiri Biosphere Reserve, South India. Pay Rs. 1600/- Con.
- **1990. Fellow of Salim' Ali Nature Conservation Fund**, Bombay Natural History Society Bombay for a period of one year to Study Sloth bear (*Melursus ursinus*) in Mudumalai Wildlife Sanctuary. Pay Rs. 500/- Con.
- **Short-term Visitor to Centre for Ecological Sciences, Indian Institute of Science**, Bangalore in 1990 and 1995.

FOREIGN COUNTRIES VISITED

- United States of America: New York and Florida
- United Kingdom: Germany and Denmark
- Southeast Asian Country: Myanmar, Thailand, Malaysia and Cambodia
- South Asian Country: Sri Lanka.

PROFESSIONAL MEMBERSHIP

Member of **International Union for the Conservation of Nature & Natural Resources, Species Survival Commission (IUCN/SSC) Asian Elephant Specialist Group** since 2002.

MEDIA FOCUS ON MY RESEARCH ACTIVITY: 06 Nos.

- Captive big cats at risk of stress. Deccan Herald 22 September 2017.
<http://www.deccanherald.com/content/633774/captive-big-cats-risk-stress.html>
- Research Matters: Captive big cats show stress in different ways.
<https://researchmatters.in/article/captive-big-cats-show-stress-different-ways>
- Why big cats in a zoo can get bored. May 18, 2017.
- Tracking stress level in tigers and leopards. Indian Express January 2015
- Effect of exotic weeds on the elephant habitats. The Hind Tamil May 01, 2015
- Grizzled Giant squirrel in Hosur and Krishnagiri Forests. The Hindu July 2011.

NAME AND ADDRESS OF REFERENCES

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Edward J. Narayan
Senior Lecturer & Head of Stress Physiology Lab
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Hawkesbury Campus,
Richmond NSW, AUSTRALIA
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Relevancy of my Research Experience in Academic Institution

The Asian elephants as a wide-ranging umbrella species are increasingly in conflict with humans due to the large-scale transformation of the natural habitats, to meet the growing demands of increasing human population. Therefore, the conservation of Asian elephants in the natural habitats, along with the biodiversity they harbor is becoming an uphill task, not only in India, but elsewhere in other Asian countries too. Elephant conservation in India requires an integrated long-term scientific approach from multi-disciplinary research institutions and integrated management action from multi-government departments. Although, there are several high-quality research institutions in the country, it is unfortunate that not much scientific research with cross-institutional multidisciplinary approach is taking place in India. The Western Ghats, one among 34 biodiversity hotspots across the globe, is not only serve as the storehouse of several endemic flora and fauna, but also plays a major role in the ecological functions of climate stability, clean water, and air and erosion control that are essential to safeguard economic growth, social stability and the quality of livelihood of the several million people living in peninsular India. The hill chain in India is one of the prime habitats for Asian elephants and also the home for 16 endemic species of its 137 mammalian representatives. Given my background (of 28 years research experience on Asian elephant & Other mammalian species in the Western, Eastern Ghats & Eastern Himalayas of India), an Assistant Professor position at the Dept. of Zoology, A.V.C. College, which is known for its long research history, would provide me an unique platform to attract the young talented students/scholars in the field of basic science (ecology) & involve them in high standard research (Ph.D. Programme), in collaboration with other National Institutions (like IISc and JNCASR, Bangalore, IIT Chennai, IISER, Thiruvananthapuram & Kolkata). It would help the Dept. of Zoology, A.V.C. College to establish itself better in wildlife research in forested areas of Western and Eastern and catapult it among the best institutes of its kind in biodiversity teaching and research.

Teaching: Teaching is an art of disseminating knowledge and research is an art of building a deeper knowledge bank. For this reason, teaching and research ought to be treated together as a single profession, and teaching without research is likely to make a teacher stereotyped, outdated and stale, no matter how good he or she can be in the profession of teaching with communication skills. Thus, high quality education needs knowledge from advanced scientific research. Being an active researcher, I would show the existing knowledge that I have gained over the last two and half decades of my research in a new light through the basic and advanced courses of life sciences like ecology & environment, biodiversity, conservation biology, behavioural ecology and population biology and inspire the fresh student to think new and be creative.

CERTIFICATE:

I certify that the information given above is correct to the best of my knowledge.

NAGARAJAN BASKARAN