

Dr. S. SANDILYAN
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PERSONAL INFORMATION

NAME : Dr. S. SANDILYAN

DATE OF BIRTH : 30/07/1974

ADDRESS FOR COMMUNICATION:

Current Address	Permanent Address
F3, Chandra Homes, 62, Mangamma Nagar, Srirangam, Tiruchirappalli Tamil Nadu - 620006.	Plot No 15, Abdul Kalam Street PS. Ponninagar, Srinivasapuram, Mayiladuthurai, Nagapattinam District, Tamil Nadu- 609001

I. QUALIFICATIONS

1. **Ph.D.** Bharathidasan University, Trichy in June 2009 - **Commended**
2. **PGDCA** A.V.C.College (Autonomous) - First Class - 2003
3. **M.Phil.**, in Zoology - A.V.C.College (Autonomous) - First Class - 1999
4. **M.Sc.**, in Wildlife Biology - A.V.C.College (Autonomous) - First Class - 1997
5. **B.Sc.**, in Zoology - A.V.C.College (Autonomous) - First Class – 1995

II. CAREER PROGRESSION

1. **Advisor**, Universal Eco Foundation, Tamil Nadu. From February 2019. Guiding and participating Wildlife Internship Programmes of the foundation.
2. **Fellow on Invasive Alien Species**. National Biodiversity Authority, Ministry of Environment Forest and Climate Change. TICEL Bio-park, Taramani, Chennai. From January 2015 and 31st December 2018 (**i.e. 4 years**).
3. **Principal**. MASS College of Arts and Science, Kumbakonam, From 28 August 2013 and 10/2/14. (**6 months**).
4. **Lecturer in Zoology**, A.V.C. College (Autonomous), Mannampandal, Tamilnadu, Southern India, from 4/7/2001 and 15/9/12. (**8 years 11 months**).

III. RESEARCH PROFILE

S. No	Tasks	Number
1	<i>h-index</i>	11
	Citations	478
2	Book Published	6
3	Papers Published	67
4	Papers in Press	5
5	Paper Accepted for Publication	2
6	Total Impact Scored	17.586
7	Invited Speaker/Resource person	18
8	Conference/ Seminars Attended	International (4) National (20) Total- 24
9	As a Reviewer - Research paper/Projects	Research paper-16 Projects - 1
10	Paper Presentation in Conference	International (5) National (6) Total- 11
11	Interview in Media (Visual and Print)	TV -1; Print media 8
12	Workshops Attended	13
13.	M. Phil. Thesis Guided	4
14	M. Sc. Thesis Guided	WLB (5) ZOO (6) 11
15.	B.Sc. Thesis Guided	7
16.	Abroad visits related with research programm	Norway 14th to 20th of June 2015. Scotland 10-14 July 2017 Egypt 19-21 November 2018 Philippines 8-12 July 2019
	1. Research organization visited in Norway <ol style="list-style-type: none"> 1. The Norwegian Environment Agency, 2. The Norwegian Institute for Nature Research (NINA) 3. National Biodiversity Information Centre (NBIC) 4. Fritjof Nansen Institute (FNI) 5. Ministry of Climate and Environment 2. Research organization visited in Scotland <ol style="list-style-type: none"> 1. University of Dundee 	

	<p>3. Take Part in UN Biodiversity Conference at Sharm El Sheikh, Egypt</p> <p>4. Research organization visited in Philippines</p> <p>1. Department of Environment and Natural Resources Ecosystems Research and Development Bureau, Laguna, Philippines.</p> <p>2. University of the Philippines, Los Baños</p>
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Editorial Board Member

★ **Journal of Brewing and Distilling since 2009.**

★ **Journal of Wildlife and Ecology since 2020.**

Books Published

1. **S. Sandilyan** et al., 2018. A review on impacts of invasive alien species on Indian inland aquatic ecosystem. Published by National Biodiversity Authority, Chennai, India. **ISBN: 978-81-932753-3-7.**
2. **S. Sandilyan** et al., 2018. A review on impacts of invasive alien species on Indian coastal ecosystem. Published by National Biodiversity Authority, Chennai, India. **ISBN: 978-81-932753-1-3.**
3. **S. Sandilyan** et al., 2018. Impacts of invasive alien species on Island ecosystems of India with special reference to Andaman group of islands. Published by National Biodiversity Authority, Chennai, India. **ISBN : 978-81-932753-5-1.**
4. **S. Sandilyan** et al., 2018. Guidelines for prioritization of invasive alien plants Of India for management. Published by National Biodiversity Authority, Chennai, India. **ISBN: 978-81-932753-4-4.**
5. **S. Sandilyan** et al., 2018. Strategies for Control and management of some selective Invasive alien plant species endangering Indian biodiversity. Published by National Biodiversity Authority, Chennai, India. **ISBN : 978-81-940589-8-4.**
6. **S. Sandilyan** et al., 2018. Invasive Alien Species of India. Published by National Biodiversity Authority, Chennai, India.

Research Papers Published

Papers in Journal

1. **S. Sandilyan.** 2022. Alien fish species in Indian inland wetlands: current status and future challenges. **Wetlands Ecology and Management.** DOI 10.1007/s11273-022-09870-8.
2. **S. Sandilyan.** 2021. Lessons not learnt even after witnessing ample disasters. **Current Science.** 121 (12): 1531 - 1532.
3. **S. Sandilyan.** 2021. Ecotourism in the Muthupet Mangroves of Southern India - A Threat to the Ecosystem. **Indian Forester,** 147 (8): 807-809, 2021, DOI: 10.36808/if/2021/v147i8/150743.

4. **Sandilyan. S.** 2021. Covid-19: Backhanded Compliment of Nature to Mankind. *Acta Scientific Veterinary Sciences* 3.12 (2021): 47-51.
5. **S. Sandilyan.** 2020. TR4 and COVID-19 are two sides of the same coin. *Current Science*. 119 (12): 1892 - 1893.
6. **S. Sandilyan.** and Vairvel, SM.2020. Co-occurrence of *Leucanthemum vulgare* and *Lupinus polyphyllus* in Gulmarg Region of Kashmir Valley will Accelerate the Depletion of Native Diversity?. Field Investigations are Need of the Hour. *Indian Forester*, 146 (3): 267-269, 2020 DOI: 10.36808/if/2020/v146i3/147454.
7. **S. Sandilyan.** 2017. A preliminary assessment on the role of abandoned shrimp farms on supporting waterbirds in Pichavaram mangrove, Tamilnadu, Southern India. *Journal of Coastal Conservation*. 21(2);255-263.DOI 10.1007/s11852-016-0477-1.
8. **S. Sandilyan.** 2016. Occurrence of ornamental fishes: a looming danger for inland fish diversity of India. *Current Science*.,110 (11): 2099-2104.
9. **S. Sandilyan** and Charlotte I.E.A. van't Klooster. 2016. The other sides of invasive alien plants of India—With special reference to medicinal values. *Journal for Nature Conservation* 31: 16–21.
10. **Sandilyan, S.** 2015. Developing a robust methodology to quantify the ecological services of the mangrove is need of the hour. *Journal of Ocean and Coastal management*. 116: 532=533.
11. **Sandilyan, S.** and K. Kathiresan. 2015. Density of waterbirds in relation to habitats of Pichavaram mangroves, Southern India. *Journal of Coastal Conservation* 19:131–139.DOI 10.1007/s11852-015-0376-x.
12. **Sandilyan, S.** and K. Kathiresan. 2015. Mangrove function as bioshield: An undisputable fact. *Ocean & Coastal Management* 103, 94–96. doi:10.1016/j.ocecoaman.2014.11.011.
13. **Sandilyan, S.** and K. Kathiresan. 2014. Decline of mangrove: a threat of heavy metal poisoning in Asia. *Ocean & Coastal Management* 102 (2014) 161-168.
14. **Sandilyan, S.** 2014. Impact of climate change on Indian mangroves: A review paper. *Global J. Environ. Res.*, 8 (1): 01-10.
15. **Sandilyan, S.** 2014. Adjacent Agricultural Lands of Pichavaram Mangroves - Vital Alternative Habitat for Waterbirds in Southern India. *Global J. Environ. Res.*, 8 (2): 21-25, 2014
16. **Sandilyan, S.** 2014. Decline of Honey Bee population in Southern India: Role of Disposable paper cups. *Journal of Zoological and Bioscience Research*. 1(3): 6-9.
17. **Sandilyan, S.** 2013. Emu bird – potential threat to the biodiversity and agriculture productivity of Western ghats, southern India. *J. Pure Appl. Zool.*, 1(1): 193-195.

18. **Sandilyan, S.** and Vinoth, S. 2013. Conservation of marine turtle - on turtle speed in the east coast of Tamilnadu, Southern India. *Int. J. Pure Appl. Zool.*, **1**(2): 132-134.
19. **Sandilyan, S.** and Duraimurugan V. 2013. Extermination of birds -terminates Indian agricultural prospects . *Int. J. Pure Appl. Zool.*, **1**(1): 48-51.
20. **Sandilyan, S.** and Sudha, M. 2013. A check list of avifauna in between Kuttralam and Narasingampattai railway track, Tamilnadu, India. *Int. J. Pure Appl. Zool.*, **1**(1): 8-15.
21. **Sandilyan, S.** and K. Kathiresan. **2012.** Mangrove conservation: a global perspective. *Biodiversity and Conservation*. Volume 21, Issue 14 (2012), Page 3523-3542.DOI 10.1007/s10531-012-0388-x.
22. **Sandilyan, S.** and K. Kathiresan. **2012.** Plastic –a formidable threat to unique biodiversity of Pichavaram mangroves. *Current Science* 103(11): 1262-1263.
23. Bubesh Gupta, M., Lalitha Vijayan, V and **Sandilyan, S.** 2011. Status of Major Wetlands and Wetland Birds in Kanyakumari, Coimbatore, Thanjavur, Thiruvarur, Perambalur, Cuddalore, Nagapattinam and Trichy Districts in Tamilnadu, India. *World Journal of Zoology*. **6** (3): 235-242.
24. Bubesh Gupta, M., Lalitha Vijayan, V and **Sandilyan, S.** 2011. Status of Wetlands and Wetland Birds in Coimbatore, Trichy, Perambalore and Thiruvarur Districts in Tamilnadu, India. *World Journal of Zoology*. **6** (2): 154-158.
25. **Sandilyan, S.,** Thiyagesan, K. and Nagarajan, R. 2010. Do agriculture lands as alternative for shore birds? A systematic survey is the need of this hour in India. *Wader Study Group Bull.* **117**(3): 194-195.
26. **Sandilyan, S.,** Thiyagesan, K. and Nagarajan, R. 2010. Major decline in species-richness of waterbirds in the pichavaram mangrove wetlands, southern India. *Wader Study Group Bull.* **117**(2): 91-98.
27. **Sandilyan, S.,** Thiyagesan, K. and Nagarajan, R. 2010. Salinity rise in Indian mangroves- a looming danger for coastal biodiversity. *Current Science* **98**(6): 754-756.
28. **Sandilyan, S.,** Thiyagesan, K. and Nagarajan, R. 2008. Ecotourism in wetlands causes loss of biodiversity. *Current Science* **95**(11): 1151.

29. **Sandilyan, S.**, Thiayagesan, K. and Nagarajan, R. 2008. Survey of terrestrial birds in T.S.Pettai village, near Pichavaram mangroves, Cuddalore district, Tamilnadu. *Convergence* 10(1-4): 64-68.
30. **Sandilyan, S.**, Thiayagesan, K. and Nagarajan, R. 2008. Nesting of Wire Tailed Swallow (*Hirundo smithii*) in Kodyampalayam, Pichavaram Mangrove. *Indian Birds* 49(1): 27.
31. Thiayagesan, K., Nagarajan, R. and **Sandilyan, S.** 2007. Survey of birds in the Pichavaram wetlands (mangroves), Tamilnadu, Southern India. *Mayur* 2:1- 7.

Popular Articles in Science Magazines

1. **Sandilyan, S.** 2021. Invasion of Fall Armyworm: Defending the Indefensible?. *Science Reporter*, 58(03): 50-51.
2. **Sandilyan, S.** 2020. Invasive species in Indian islands- The time to act is now. *Science Reporter*, 57(3).Pp23-25.
3. **Sandilyan, S.** 2018. Biocontrol of Aravalli's *Prosopis juliflora*. *Geography and You*; 18(9)Pp16-20. ISSN NO-9772347884001.
4. **Sandilyan, S.** 2017. Life without Bird is a Nightmare. *Indian Journal for Environmental Education*; 17; 59-62.
5. **Sandilyan, S.** 2016. Invasive Species and Wetlands: Focus ornamental fish. *Geography and You (G'nY)*. 11the February, 2016.
<http://www.geographyandyou.com/component/content/article/32-featured-stories/4466-invasive-species-and-wetlands-focus-ornamental-fish.html>. Accessed on 11-2-16
6. **Sandilyan, S.** 2015. Highways of India: A heaven to invasive alien plants. *Science India*. Vol. 18, No. 12, p 33-36.
7. **Sandilyan, S.** 2015. Silent Spring and Cancer Train. *Science India* Vol. 18, No. 7, P 38-40.
8. **Sandilyan, S.** 2014. Scholars - Treated or ill-treated in India. *Science India* Vol. 17, No. 9, P 25-26.
9. **Sandilyan, S.** 2014. Disposable Paper Cups-Threat to Honey bees in Southern India. *Science Reporter* 51(5): 10.
10. **Sandilyan, S.** 2013. Birds could boost agricultural prospects. *Science Reporter* 50(2): 18.
11. **Sandilyan, S.** 2013. The aftermath of Thane cyclone in Pichavaram mangroves, East coast of southern India. *Science India* 16(2): 35-38.
12. **Sandilyan, S.** Thiayagesan, K. and Nagarajan, R. 2012. Wetlands- A boon to humanity *Science India* 15(2): 41-45.

13. **Sandilyan, S.** Thiyagesan, K. and Nagarajan, R. 2011. Conservation of biodiversity-Inextricably linked with human welfare. *Science India* 14(7): 41-45.
14. **Sandilyan, S.** Thiyagesan, K. and Nagarajan, R. 2011. Adobe buildings: A mimic of swallow's mud nest. *Science India* 14(4): 12-16.
15. **Sandilyan, S.** 2010. Climate change and Mangrove wetlands. *Emerging Science* 2 (7): 18-19.
16. **Sandilyan, S.** Thiyagesan, K. and Nagarajan, R. 2010. Methane studies need of the hour. *Science Reporter* 47(9): 28.
17. **Sandilyan, S.** Thiyagesan, K. and Nagarajan, R. 2010. Global warming – A holocaust. *Science India* 13(9): 14-16.
18. **Sandilyan, S.** and K. Thiyagesan. 2010. Mangroves- the oceanic woodland. *Science India* 13(2): 11-14.
19. **Sandilyan, S.** 2008. Biomimicry a novel research field. *Science India* 11(11): 27-31.
20. **Sandilyan, S.** 2008. Forensic entomology. *Science India* 11(9): 27-29.

Papers in Newsletter

1. **Sandilyan, S.** Thiyagesan, K. and Nagarajan, R. 2009. Wetlands - the biological supermarkets. *Eco News* 15 (3): 6-8.
2. **Sandilyan, S.,** Thiyagesan, K. and Nagarajan, R. 2008. A month-long survey of Arrupathi wetland, Nagapattinam District, Tranqubar Taluk, Tamilnadu. *Newsletter for Birdwatchers* 48 (4): 60 -61.
3. **Sandilyan, S.** and Thiyagesan, K. 2007. Studies on the role of partners in nest building activity of the Wire Tailed Swallow (*Hirundo smithii*) in Kodyampalayam area, near Pichavaram Mangroves. *Newsletter for Birdwatchers* 47 (3): 40-43.
4. **Sandilyan, S.** 2007. Mangrove – The evergreen emerald forest. *Eco News* 13 (1): 21.

Papers in Proceedings

1. **Sandilyan, S.** 2011. Impacts of climate change on mangrove wetlands- An Indian perspective. Proc. of Inter National conference on Impact of climate

- change on Coastal Ecosystem (ICC-ECO11-12th of November 2011) at Sathyabama University, Chennai, Tamilnadu. Pp 114-121.
2. **Sandilyan, S.** 2011. A scanty report on migratory waterbirds of Indian mangroves—the main bugbear. In: Bhupathy S et al (eds) Status of Indian birds and their conservation. SACON, Coimbatore, pp 252–253.
 3. **Sandilyan, S.** 2010. An SOS from the birds of Pichavaram Mangrove wetlands”. Proc. of. First Indian Biodiversity Congress (27-30 December 2010) held in Chandrasekharan Nair Stadium, Thiruvananthapuram, Kerala.
 4. **Sandilyan, S.,** Thiyagesan, K. and Nagarajan, R. 2009. Impacts of global warming on coastal wetlands lead to loss of its unique biodiversity. Proc. of National Seminar on Biodiversity and Global warming (6–7 March 2009) held in Thiru.Ve. Ka College Thiruvarur, Tamilnadu, India. Pp 94 – 100.
 5. **Sandilyan, S.,** Thiyagesan, K. and Nagarajan, R. 2009. Survey of waterbirds in Arrupathi Lake. Proc. of National Seminar on Biodiversity and Global warming (6–7 March 2009) held in Thiru.Ve. Ka College Thiruvarur, Tamilnadu, India. Pp 101 – 114.
 6. Thiyagesan, K., Nagarajan, R. and **Sandilyan, S.** 2009. Avian Diversity of Pichavaram mangroves, Tamilnadu, Southern India. Proc. of Workshop on the Digitalized CD Rom animal alternatives to replace the animals used in Zoology practical curriculum, held on 5th February, at Ayya Nadar Janaki Ammal College, Sivaakasi, Tamilnadu. Pp 85 - 100.
 7. **Sandilyan, S.,** Thiyagesan, K. and Nagarajan, R. 2007. Wildlife depletion due to illegal wildlife trade. Proc. of. National Conference on Biodiversity conservation and Human well-Being (8 –10 February 2007), held in **Osmania University, Hyderabad.** Pp.119-124.
 8. **Sandilyan, S.** and Thiyagesan, K. 2006. Studies on the nest and nest materials of Wire Tailed Swallow (*Hirundo smithii*) in Kodiampalayam area, near Pichavaram mangroves. Proc. of National Seminar on Wildlife Biodiversity Conservation, held in (13 – 15 October 2006) held in Department of Ecology and Environmental science, School of Life Sciences. Pondicherry University, Pondicherry Pp 117 - 120.

Articles in English Dailey's

1. **Sandilyan, S.** 2019. Fish in troubled water. The Hindu.18/12/2019.(<https://www.thehindu.com/opinion/op-ed/fish-in-troubled-waters/article30332362.ece>).
2. **Sandilyan, S.** 2012. Ecotourism, last nail in the coffin of biodiversity. The Hindu.25th November.(<http://www.thehindu.com/todays-paper/tp-features/tp-openpage/ecotourism-last-nail-in-the-coffin-of-biodiversity/article4132101.ece?textsize=large&test=1>).

Articles in Tamil Dailey's

1. Hunting of birds a threat to delta agriculture.6th February, 2013. Dinamalar, Agriculturemalar. Page No 7.
2. Decline Honey production. 10th February, 2014. Dinamani,. Page No 6.
3. Chenga Narai Chenga Narai 28th April, 2014. Dinamani,. Page No 6.
4. Mangroves as a bioshield against Tsunami. 8th December, 2014. Dinamani,. Page No 6.

Interviews in Media

1. Fish markets: Driven by bycatch and sustained by subsidies. 2021. Mongabay India. <https://india.mongabay.com/2021/10/fish-markets-driven-by-bycatch-and-sustained-by-subsidies/>. Accessed on 13/10/21.
2. Borders worth protecting. 2021. **Nature India**. Accessed on 1/7/21.<https://www.natureasia.com/en/nindia/article/10.1038/nindia.2021.94>.
3. Checking spread of invasive alien fish as India faces climate extremes. 2021. Mongabay India. <https://india.mongabay.com/2021/05/checking-spread-of-invasive-alien-fish-as-india-faces-climate-extremes/>. Accessed on 5/07/21.
4. Alien invasive species may hitch a ride through China's Belt and Road Initiative into India.2019. <https://india.mongabay.com/2019/02/alien-invasive-species-may-hitch-a-ride-through-chinas-belt-and-road-initiative-into-india/>Accessed on 5/07/21.
5. Separate outfit needed to curb invasive alien species. New Indian Express, Appeared on 6/2/19.
6. Your Gold fish could ruin natural aquatic system. In **New Indian Express**, Appeared on 3/7/16.

7. **Sandilyan, S. 2015. Downswing in Pichavaram bird population: study.** Appeared on. **The Hindu English daily** 16.2.15.
8. Accumulation of heavy metal in Pichavaram mangroves. **The Hindu Tamil daily.** Appeared on 17.5.15.

IV. Contributions by Letter to the Editor Column

- “Pesticides Affecting Frogs” Science Reporter, February 2009. Pp 4
- “Olive Ridley” The Hindu, March 4, 2008.
- “The Wildlife in the Crosshairs” Science Reporter, January 2007. Pp 4.
- “Vanishing Birds” Science Reporter, May 2006. Pp 4.
- Watch the Water” Down To Earth, January 2003. Pp 3.

V. Professional Trainings Attended

1. “**Application of Remote Sensing and GIS Tools for Coastal and Ocean Resource Mapping, Monitoring and Management**” conducted by CAS in Marine Biology, Parrangipettai from September 10th – 30th 2008.
2. Training course in “**Taxidermy**” conducted by Government Museum, Zoology Section, Chennai from September 23rd – 30th 2005.
3. “**Microbial Techniques**” conducted by Madurai Kamaraj University from May 12th - 24th 2003.
4. “**Geographical Information System (GIS)**” conducted by Taramani Technical Teacher Training Institute, Chennai from May 27th - June 7th 2002.

VI. Invited Speaker/Resource person

1. Impacts invasive alien species on Indian inland wetlands at a webinar on combating wildlife crimes, the marine perspective. Organized by Wildlife Crime Control Bureau on, 26th June 2021.
2. Impacts invasive alien species in Indian inland wetlands at International Conference on Biodiversity and ecological Restoration on, January 31st Quaid-E-Millath Government college for women, Chennai.
3. Impacts invasive alien species in Indian inland wetlands: current status and future challenges at Training workshop for the Indian Forest Service Officers on Monitoring and Management of Wetlands, January 9-10, SACON, Coimbatore.
4. **Biodiversity Conservation Need of the hour.** In National Conference on “Climate change Food security and biodiversity ” on 6th September 2019 at Kumararani Meena Muthiah College of Arts and Science, Adyar, Chennai.
5. **Effective Science Teaching for school Children.7/8/2019.** At Best College in Mayiladuhurai.
6. **Effective Science Teaching for school Children.24/7/2019.** At Best College in Mayiladuhurai.

7. **Impact of Invasive species on Indian wetlands.2019.** in National seminar on “Awareness on current scenario of biodiversity and the biodiversity act” on 27th February at Islamiah College, Vaniyambadi.
8. **Impacts of Alien Species on Indian Coastal habits.2019.** in UGC Sponsored National Seminar on Recent Development in Mangrove environment and Challenges on its sustainability.held on 6th March,2019. CAS in Parangipettai.
9. **Impacts of Invasive species on Indian biodiversity,2019.** In Kerala State Biodiversity Congress 2019 on 26th January at Govt Brennen College, Thalassery, Kerala
10. **Impact of Invasive Alien species on Indian diversity** in flying fish zoological association meeting on 9/10/2015 at A.D.M. College for Women at Nagapattinam.
11. **Guidelines for prioritization of Invasive Alien Plants of India.** in National Conference on Status of Indian invasive alien species on 14-15/12/2017 at Kolkata, Organized by MOEF &CC, ZSI &BSI.
12. **Nature the Nobel Teacher in** Rashtriya Madhyamik Siksha Abhijan (RMAS) scheme Training for high school Science teachers of Mayiladuthurai Educational district. Held in Best Teacher Training Institute, Maliyam (11th September 2014).
13. **Need of Biodiversity Conservation** in Wildlife conservation function (9th February 2012) in D.G.G. Arts College for Women, Mayiladuthurai.
14. **Need of Biodiversity Conservation** in Biochemistry association meeting (10th February 2012) at R.A. College for women, Thiruvarur.
15. **Nature, the Guide to Human Civilization** held in **History department of** A.V.C. College (Autonomous) on 13th January 2011.
16. **Impacts of Global Warming on Coastal Wetlands Lead to Loss of Its Unique Biodiversity** in the National Seminar on Biodiversity and Global Warming (6 – 7 March 2009) held in Thiru.Ve. Ka College, Thiruvarur.
17. **Role of Zoology in Future Career** held in Sri Gurugana Sambandar Mission Sri Muthaial Matriculation School, Vaithiswarnkoil on 23rd August 2008.
18. **Effective Teaching Methods for Environmental Studies** held in A.V.C. College (Autonomous) on 9th December 2006.

VI a). Presidential Address

1. Recruitment Trends In Banking Sector. 2013. One day Workshop held in the Department of MBA, MASS College of Arts and Science, Kumbakonam on 13th September 2013.
2. Life in Literature- Enlite 2013. One day Workshop held in the Department of English, MASS College of Arts and Science, Kumbakonam on 16th September 2013.

VII. Conference Presentations and Abstracts Published

1. Impacts invasive “alien species in in Indian inland wetlands: current status and future challenges at R & D Conference on Invasive Alien Species (IAS) Management and Biosecurity Measures in the Asia Pacific Region on July 9-11, **2019 in Manila, Philippines.**
2. “Exotic ornamental fishes in wild: A threat to native diversity” Presented in the Inter National conference on Aquatic Exotics: Trends, Challenges and Policies (28-30 March 2016) at Department of Aquatic biology and Fisheries, University of Kerala, Thiruvananthapuram, India.
3. Invasive Alien Species and its management in India, Presented in the International workshop on consolidating CEBPOL sharing of experience on ABS. NBA Chennai (3-4th of February 2015).
4. “A Review of Environmental problems of Pichavaram Mangroves, Southern India” Presented in the Inter National conference on Science and Technology for clean and green Environment(27-28th of July 2012) at Annamalai University, Tamilnadu.
5. “A Scanty report on migratory waterbirds of Indian Mangroves- the Main Bugbear” Presented in the Inter National conference on Indian Ornithology (November 19-23) held in SACON, Coimbatore, Tamilnadu.
6. “Impacts of climate change on mangrove wetlands- An Indian perspective” Presented in the Inter National conference on Impact of climate change on Coastal Ecosystem (ICC-ECO11-12th of November2011) at Sathyabama University, Chennai, Tamilnadu.
7. “An SOS from the birds of Pichavaram Mangrove wetlands”. Presented in the First Indian Biodiversity Congress (27-30 December 2010) held in Chandrasekharan Nair Stadium, Thiruvananthapuram, Kerala.
8. “Climate change and its impacts on biodiversity” presented in the **National Seminar** on Climate Change (4-6th February 2010) held in Periyar Maniammai University, Thanjavur, Tamilnadu.
9. “Biodiversity conservation and human well being” presented in the UGC sponsored **National Seminar** on Environment and Sustainable Development (5 – 6 October 2009) held in Kundhavai Naachuiyar Government Arts College (Women), Thanjavur, Tamilnadu.
10. “Impacts of global warming on coastal wetlands lead to loss of its unique biodiversity” presented in the **National Seminar** on Biodiversity and Global Warming (6–7 March 2009) held in **Thiru.Ve. Ka College Thiruvarur, Tamilnadu, India.** Abstract on page 5.
11. “Wildlife depletion due to illegal wildlife trade” presented in **National Conference** on Biodiversity conservation and Human well-Being (8 –10 February, 2007) held in **Osmania University, Hyderabad.** Abstract on page 16.
12. Breeding ecology of Wire Tailed Swallow (*Hirundo smithii*) in Kodyampalayam area, near Pichavaram mangroves, Tamilnadu, India” presented in the **National Seminar** on Emerging Trends in Life Science (24 – 25 August 2006) held in **Bishop Heber College (Autonomous), Trichy.** Abstract on page 101.
13. “Studies on the nest and nest materials of Wire Tailed Swallow (*Hirundo smithii*) in Kodyampalayam area, near Pichavaram mangroves” presented in the **National Seminar** on Wildlife Biodiversity Conservation (13 – 15 October 2006) held in Department of Ecology and Environmental Science, School of Life Sciences, Pondicherry University, Pondicherry. Abstract on page 33.

VIII. National Seminars / National Conferences Attended

1. UGC Sponsored National Seminar on “Conservation of Natural Resources” (16 – 17 March 2012) held in A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai, Tamilnadu.
2. UGC Sponsored National Seminar on “Emerging Trends in Conservation Science” (22 – 23 March 2011) held in A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai, Tamilnadu.
3. UGC Sponsored National Seminar on “Environment and Sustainable Development” (5 – 6 October 2009) held in Kundhavai Naachuiyar Government Arts College (Women), Thanjavur, Tamilnadu.
4. One day seminar on “Ahimsa and Animal Alternatives – The Implications and Benefits of Teaching Humane Science” (2 October 2009) held in Bharathidasan University, Tiruchirappalli, Tamilnadu.
5. National seminar on “Global Warming and Biodiversity Conservation” (6–7, March 2009) held in Department of Zoology, Thiru.Ve.Ka College, Thiruvarur, Tamilnadu.
6. National Conference on “Biodiversity Conservation and Human Well-Being” (8–10, February 2007), held in Osmania University, Hyderabad.
7. One-Day seminar on “Recent Trends in Zoology” (6 December 2006) held in National College, Trichy.
8. National seminar on “Wildlife Biodiversity Conservation” (13–15, October 2006) held in Department of Ecology and Environmental Science, School of Life Sciences, Pondicherry University, Pondicherry.
9. National seminar on “Emerging Trends in Life Science” (24–25, August 2006) held in Bishop Heber College (Autonomous), Trichy.
10. National seminar on “Wildlife Conservation” (25–26 February 2005) held in A.V.C. College (Autonomous), Mannampandal.
11. State level seminar on “Coastal Ecosystem” (16–17 September 2004) held in ADM. College (Autonomous), Nagapattinam.
12. State level seminar on “Blue Revolution” (25–26 September 2002) held in A.V.C. College (Autonomous), Mannampandal.

IX. Workshops Attended

1. UGC aided Workshop on “Lab to land Techniques” at A.V.C.College (Autonomous), Mannampandal, on 10- 13 January 2012.
2. UGC aided Workshop on “Setting question bank for part – A questions. at A.V.C.College (Autonomous), Mannampandal, on 26- 27 December 2011.
3. Workshop on “Use of Computers in Statistical Analysis” at A.V.C.College (Autonomous), Mannampandal, on 23- 24 March 2008.
4. Workshop on “Office Automation tools” at A.V.C.College (Autonomous), Mannampandal, on 1-2 March 2008.
5. National workshop on “ Conservation of Biodiversity for Sustainable Future” at Department of Chemical Engineering, Annamalai University, on 12 March 2008.

6. Workshop on “rDNA Technology” at Madurai Kamaraj University, Madurai between 5th June and 16th June 2003.
7. UGC Workshop on “Recent Trends in Blue Revolution” at A.V.C. College (Autonomous), Mannampandal, on 21 – 22 February, 2003.
8. Teacher Development Curriculum “Intel®Tech to the Future” conducted by Intel Innovation in Education at A.V.C. College (Autonomous), Mannampandal during 2-15 September 2002.
9. “COSIP Programme” during funded by UGC held at A.V.C. College (Autonomous), Mannampandal, during 22–23 March, 2002.
10. National Symposium on “Galliformes” with the financial assistance from DST, BARD, and A.V.C Charities between 20th and 22nd February 2002 at A.V.C.College (Autonomous), Mannampandal.
11. Workshop on “Animal use in Practical Pros & Cons” during September 2001, at A.V.C. College (Autonomous), Mannampandal.
12. Workshop on “Wildlife Photography” during February 2001, at A.V.C. College (Autonomous), Mannampandal.
13. Workshop on “Wildlife Conservation – Perspectives and Retrospectives” on 2 March 1999 at A.V.C. College (Autonomous), Mannampandal.

X. Members in Examination Boards

- First and third Examiner for PG Zoology and Wildlife Biology from 2003 to 2009 at A.V.C. College (Autonomous), Mannampandal
- Bharathidasan University, Trichirappalli, UG Examiner from 2007 to 2009.
- Internal Practical Examiner for UG and PG Department of Zoology and Wildlife Biology from 2003 to 2009on A.V.C. College (Autonomous), Mannampandal.

XI. Responsibilities at A.V.C. College

1. Reception committee and catering committee (2005-2007)
2. Disciplinary committee (2007)
3. Fine Arts committee during Golden Jubilee Period (2005)
4. Tutorial ward for 2005 & 2009-213 batch of Zoology students
5. Executive Member of Staff Club (2006 - 2008)

XII. Awards

1. **International Biographical Centre (IBC) Great Britain** Selected as Top 100 Scientists of 2010.
2. **Who’s Who In the world (USA)** Selected to Publish the Biography in 2010 Edition for the research contribution
3. Best Scout student award during 1987
4. Best student award during 1987.

XIII. Extracurricular Activity

1. NSS Volunteer during 1992 – 1995.

Wildlife Census Participation

- Participated in the All - India census of Large Carnivores at Nilgiris from 14th to 23rd February 2006.
- Participated in Black buck census held -1998 at Point Calimere Wildlife Sanctuary, Kodiyakorai.

Accompanied the Students for Field Study

- Accompanied B.Sc. Zoology students for a One day field trip to Pichavaram Mangroves on 21 March, 2008.
- Accompanied M.Sc. Wildlife Biology students for the All - India census of Large Carnivores at Nilgiris from 14th-23rd February 2006.
- Accompanied M.Sc. Zoology and Wildlife Biology students for their field study in Chennai during 22nd-26th August 2005.
- Accompanied M.Sc. Wildlife Biology and Zoology students for a Short - term training course on Taxidermy conducted by Government Museum, Zoology Section, Chennai from 23rd-30th September, 2005.

Organizing Committee Member

1. National Seminar on “Conservation of Natural Resources” with the financial assistance of UGC, New Delhi on 16 & 17 March 2012.
2. National Seminar on “Emerging trends in Conservation Science” with the financial assistance of UGC, New Delhi on 22 & 23 March 2011.
3. National Seminar on “Recent Trends in Biodiversity Conservation” with the financial assistance of UGC, New Delhi on 7th March 2009
4. National Seminar on “Wildlife Conservation” with the financial assistance of A.V.C.C. Management in connection with Golden Jubilee Celebrations between 25th - 26th February 2005.
5. National symposium on *Galliformes* between 20 – 22 February 2002 in the PG and Research Dept. of Zoology and Wildlife Biology, AVC College, Mannampandal, India.
6. University Grants Commission’s (UGC) aided Workshop and Training Organized in Collaboration with Govt. Museum, Chennai on “Biological Preservation Techniques” between 27th January and 1st February 2004.
7. Workshop on “Recent Trends in Blue Revolution” with the financial assistance from University Grants Commission (UGC) during 21-22 February, 2003.

Dissertations Submitted

1. Habitat quality and waterbird utilization pattern of Pichavaram wetlands, Southern India (2009). Ph.D. Thesis, Bharathidasan University, Trichy.
2. Web Page for Vaitheeswarankoil (2001). PGDCA Dissertation, Bharathidasan University, Trichy.

3. Study on water quality criteria of two different aqua farms in Nagai, Thanjavur, and Karaikal areas (1999). M.Phil. Dissertation, Bharathidasan University, Trichy.
4. Crop damage by Asian Elephants in Sathyamangalam Forest Division Tamilnadu. (1997). M.Sc. Dissertation, Bharathidasan University, Trichy.
5. A survey on solid waste in Mayiladuthurai (1995). B.Sc. Dissertation Bharathidasan University, Trichy.

RESEARCH SUPERVISION

- Approved by Bharathidasan University, Trichy to supervise Ph.D. programme (6437/Ph.D.1./Zoology/R.A./ Dated:19.07.2011).
- Approved by Bharathidasan University, Trichy to supervise M.Phil. programme (34149 R.A./M.Phil./Zoology/2006/Dated:14.12.2006).
- Approved by Periyar University, Salem to supervise M.Phil programme (MZO 5408/2007) Dated: 29.8.2007.

Supervision of Research Projects

M.Phil Program

- Analysis of nesting materials in Wire Tailed Swallow's (*Hirundo smithii*) nests (November 2007), Periyar University, Salem.
- Studies on the breeding biology of the Common Myna in Manganalloor area, Nagapattinam district. 2007, Bharathidasan University, Trichy.
- Survey of birds in the paddy fields of Karupur village, Kumbakonam taluk. 2012. A.V.C.College,Mayiladuthurai.

M.Sc. Wildlife Biology

1. A study on the tree dwelling reptiles in the Anaikatti Hills, Western Ghates, Tamilnadu. 2003.
2. Butterfly diversity in Sriharikotta Islands in Andhra Pradesh. 2004.
3. Studies on benthic community in Pichavaram Mangrove. 2005.
4. Crop raiding pattern of Asian Elephants in Sathyamangalam Forest Division, Tamilnadu, Southern India. 2007.

M.Sc. Zoology

1. An assessment of potability standards of Mineral Water in and around Mayiladuthurai. 2002.

2. Survey on solid waste in A.V.C. College, Campus. 2002.
3. An assessment of water quality of Mayiladuthurai municipal water based on some physico chemical parameters. 2004.
4. Studies on Phyto plankton and Zoo Plankton in Pichavaram Mangroves. 2005.
5. Studies on terrestrial bird's diversity in Kodyampalayan area, near Pichavaram Mangroves. 2006.
6. Waterbird diversity in Arrupathi Oodai, near Mannampandal. 2006.

B.Sc. Zoology

1. A study on the source of poly bags accumulation in Mayiladuthurai. 2003.
2. An assessment of solid waste (carry bags) generation in the railway track between Mayiladuthurai and Chidambaram, Tamilnadu, South India. 2004.
3. A survey on terrestrial birds of Pichavaram. 2005.
4. Nesting behavior of Wire – tailed Swallow in Pichavaram Mangrove. 2006.
5. Studies on the role of partners in nest building activity of the Wire Tailed Swallow (*Hirundo smithii*) in Kodyampalayan area, near Pichavaram Mangroves. 2007.
6. Survey of birds in three different habitats of Kodyampalayan area near Pichavaram mangroves, Tamilnadu, Southern India. 2008.
7. Survey of water birds in Arrupathi Lake. 2009.

Impact factor

Year	Paper tile	Journal	Impact
2008	Ecotourism in wetlands causes loss of biodiversity	Current Science	0.774
2010	Salinity rise in Indian mangroves- a looming danger for coastal biodiversity	Current Science	0.897
2012	Plastics – a formidable threat to unique biodiversity of Pichavaram Mangroves	Current Science	0.935
2012	Mangrove conservation: a global perspective.	Biodiversity and Conservation	2.234
2014	Decline of mangrove: a threat of heavy metal poisoning in Asia.	Ocean & Coastal Management	1.769
2015	Mangrove function as bioshield: An undisputable fact	Ocean & Coastal Management	1.769
2015	Density of waterbirds in relation to habitats of Pichavaram mangroves, Southern India.	Journal of Coastal Conservation	0.898
2015	Developing a robust methodology to quantify the ecological services of the mangrove is need of the hour	Ocean & Coastal Management	1.769
2016	The other sides of invasive alien plants of India—With special reference to medicinal values	Journal for Natural Conservation	2.20
2016	Occurrence of ornamental fishes: a looming danger for inland fish diversity of India.	Current Science	0.935

2017	A preliminary assessment on the role of abandoned shrimp farms on supporting waterbirds in Pichavaram mangrove, Tamilnadu, Southern India	Journal of Coastal Conservation	1.096
2020	Co-occurrence of <i>Leucanthemum vulgare</i> and <i>Lupinus polyphyllus</i> in Gulmarg Region of Kashmir Valley will Accelerate the Depletion of Native Diversity?. Field Investigations are Need of the Hour	Indian Forester,	0.888
2020	TR4 and COVID-19 are two sides of the same coin	Current Science	1.102
2021	.Ecotourism in the Muthupet Mangroves of Southern India	Indian Forester,	0.888
2021	Lessons not learnt even after witnessing ample disasters	Current Science	1.102
2022	Alien fish species in Indian inland wetlands: current status and future challenges.	Wetlands Ecology and Management	1.379
Total			20.65

AS A REVIEWER

Research project

1. Lead and heavy metal pollution of the Gulf of Eilat: sources, rates and impact on marine ecosystems. From Israeli Ministry of Science, Technology and Space. On 14/7/15

Research papers were reviewed for the following Refereed journal

S.No	Title of the Paper	Name of the Journal
1	Interactive effects of Salinity, Light and Temperature on seed germination of <i>Zygophyllum simplex</i> L. (Zygophyllaceae) in Jordan.	International Journal of Integrative Biology- (IJIB) (10/4/2010)
2	The language of some wild predators in soundgrams (spectrograms)	Journal of Physiology and Pathophysiology - (JPAP) (16/3/2011)
3	An Ecological evaluation for the identification of Ecotourism sites based on Natural- climatic elements	Journal of Ecology and the Natural Environment (JENE) -1/4/2011
4	Variation in zooplankton diversity in five fish ponds in northwest amhara region, ethiopia	Journals of Agriculture and Biological Sciences(JABS)15/8/11

5	Do mangrove offer an effective barrier to Thane cyclone surges?	Biodiversity and Conservation (BIOC-D-12-04955) 1/5/2012
6.	Biochemical studies on protein content in different tissues of selected shrimps <i>penaeus monodon</i> and <i>penaeus vannamei</i>	IJPAZ. Dated 15/3/13
7	Antibiotic susceptibility of bacterial strains isolated from patients with respiratory tract infections	IJPAZ. Dated 16/3/13
8.	Biodiversity of brachyuran crabs in the indian mangroves	INTERNATIONAL JOURNAL OF BIODIVERSITY AND CONSERVATION. 18/07/13
9.	Is Diclofenac still a threat to gyps vulture? A case from eastern Nepal and adjoining areas in India	IJPAZ. Dated 24/07/13
10	Diversity and population of avifauna of safari park and university of Karachi, Pakistan	IJPAZ. Dated 24/07/13
11	Incidence and distribution of uropathogens isolated from patients with urinary tract infections in Pattukkottai area, Tamilnadu, india	IJPAZ. Dated 07/08/13
12.	A comparative study on indigenous and exotic woody vegetation of three different church forest ecosystems in Gondar, Ethiopia	Journal of Environmental Biology ISSN: 0254-8704 13/5/14
13.	How much protection of mangrove vegetation is able to provide compare to early warning system? A comment on "Mangroves as bioshield: An undisputable fact " by S. Sandilyan and K. Kathiresan (2015) Ocean & Coastal Management Ms. Ref. No.: OCMA-D-15-00172	Journal of Ocean and Coastal management. 27/4/15
14.	Wetland Bird Assemblage in Rural Ponds of Kurukshetra, India	Waterbirds.27/5/15
15.	How Worthy is the Sundarbans Mangrove Forest? An Exploratory Study	Environment and Natural Resources Journal- 18/8/15
16.	House Crow (<i>Corvus splendens</i>) nesting on rooftop telecommunication towers: alternative nest sites in an urban landscape Article Review Request 19261	Current Science 14/2/17.
17	Potential threats to the migratory waterbirds in	Current Science 24/4/17.

	South Bengal, India	
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DECLARATION

I hereby declare that the above given information in this resume is true, complete and correct and to the best of my knowledge.



(S. SANDILYAN)

Referees

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