

Dr. R. ALEXANDAR

Academic Degrees:

B.Sc., Botany, University of Madras, India

M.Sc., Ecology, Pondicherry University, India

MSC., Botany, (DDE, Periyar University, Salem)

M.Phil., Environmental Science & Engineering, Pondicherry University, India

Ph.D., Ecology and Environmental Sciences

PDF., Climate change and Biodiversity

PGDEOH., Post graduate diploma in Environment and Occupational Health. IGNOU (Undergoing)

Research and Teaching Fields:

Environmental Education & Communication

Environmental sciences

Climate change and biodiversity

Botany

Sustainable development

Biodiversity Conservation

Plant and animal ecology

Evolutionary biology

Solid waste management

Environmental pollution

Field Ecology

Ornithology & Conservation

History and Philosophy of Science

Workshops/Seminars:

International Conférences

1. Participated/presented in 3 Asian Lepidoptera conference from 25th to 29 October 2010 at Coimbatore Titled on Active Environmental Education for Butterfly conservation for middle school students in Puducherry Schools, India
2. Participated/presented in Green campus summit-2013, 4-5 April, 2013, Puducherry, India.
3. Participated in Green India : Strategic Knowledge for combating Climate Change : prospects & Chelenges (GISKCCC-2013) during 5 – 7 December, 2013.
4. Participated/presented in workshop on the Face of Climate change conducted by Department of Earth sciences in Annamalai University on 22nd April, 2014



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5. Participated in International seminar on Water: Spatial Dynamics, Competitive Claims & Governance held at Pondicherry University
6. Participated and presented on International Conference - 'Gandhi, Gram Swaraj and Decentralisation'- during 27-29 November 2014, KILA, Thrissur, Kerala
7. Participated and presented on Indian Biodiversity congress held at SRM University during 18-20th December, 2014, Kattankulathur

National Conférences

1. Participated in National seminar on Environmental policy Integration held at Pondicherry University

International Workshops

2. Participated in GTZ summer school held at Mumbai 2010
1. Participated in Short-Term course on Methodology of Social Research during March 1-10, 2007 organised by school of social sciences and international studies, Pondicherry University
2. Participated workshop on UV-VIS-NIR, FTIR and Emission Spectroscopy
3. Participated in Training program on GIS and RS tools for Coastal resource mapping, monitoring and management held at Annamalai University, Chidambaram, Tamil Nadu
4. Participated in Training program on the use of Statistical software (SPSS) held at the Department of statistics, Pondicherry University during September 13-14, 2010
5. Participated in three days workshop on orientation to GIS and remote sensing at Department of Ecology & Environmental Sciences, Pondicherry University
6. Participated Research Methodology for Doctoral scholars from 16th March to 19th March 2009 held at Madras Institute of Developmental Studies (MIDS), Chennai
7. Participated in workshop on Comprehensive Landslide Management conducted by Department of Earth Sciences, Annamalai university from 21 July to 25th July 2014

Invited Talk

1. Environmental education for sustainable development Presented at Transdisciplinary University, Bengaluru
2. Biodiversity conservation presented at the Department of Botany, Thanthai Periyar Government Arts and Science college, Cuddalore
3. Solid waste management presented at East Coast Nursing college, Puducherry
4. Environnement pollution monitoring at DST, Envis Hub, Puducherry for 2019, 2020-2021

Teaching Experiences

Three and half years worked as guest lecturer for environmental studies subject at Indirani College of nursing in Ariyur, Puducherry from January 2009 to June 2015 (**Five years**)

Two and half years worked as guest lecturer for environmental studies subject at RAAK Nursing College in Sulthanpet, Puducherry from September 2010 to December 2013 (**Two Years**)

Three months worked as guest lecturer for environmental studies subject at Sabari Nursing College in Kirumambakkam, Puducherry from February 2013 to April 2013

Worked as Guest Faculty for Environmental Biology and Environmental studies courses at Pondicherry University Community College in Puducherry From 2013 to December, 2016

Worked as Guest Faculty in the Department of Ecology & Environmental Sciences, Pondicherry University for the subjects of Plant Ecology and Environmental studies from January 2017 to April 2017 (One semester)

Worked as Assistant professor (On Contract) with the Department of Life Sciences, Central University of Tamil Nadu, Thiruvavur, India for the subjects ; Environmental sciences, climate change and biodiversity, Ecology & biodiversity, Evolutionary biology, History and Philosophy of Science, Botany and Field ecology from 31st August 2018 to 15th May 2019.

Currently Working as Guest Faculty in the Department of Ecology and Environmental Sciences, Pondicherry University for the subjects of conservation biology, evolution, plant ecology and environmental toxicology and health from September 2019 to till May 2020.

Other Working Experience:

Project Assistant

Environmental Impact Assessment Project of Sathanur Reservoir Project funded by Ministry of water resources Government of India from December 2001 to July 2002 (**One year**)

Project Coordinator

Environmental education program for school students and participatory community level solid waste management program funded by Development Alternatives, New Delhi from June 2005 to June 2007 (**Two years**)

Environmental Educationist

Six months worked as Heritage Education and Communication Service program of INTACH, Puducherry from October 2009 to April 2010 (**Seven Months**)

Project Coordinator

Five months working experience in Pondy CAN Organization in two different types of projects one is Environmental education for school children another one is coastal area survey using GIS and Google Maps from June 2012 to November 2012 (**Five Months**)

Fellowship and competitive exam Awarded

NCERT- Doctoral Fellowship (2008-2009)

For pursuing PhD degree on the topic of Environmental education for sustainable development in selected urban schools of Puducherry and Cuddalore, India

ICSSR-Post-Doctoral Research Fellow (2013-2015)

Working on "An assessment of fresh water resources, biodiversity vulnerability and adaptation to climate change in chosen watersheds in Puducherry and Villupuram Districts, India

National/State level Exams Passed

Qualified in ASRB-NET Exam in 2013

For the Subject of Environmental science

Qualified in TNSET Exam in 2018

For the Subject of Life Sciences

Qualified in UGC-NET Exam in 2019

For the Subject of Environmental Science

Thesis Work

M.Sc : An analysis of the status of rice Production in Villupuram District.

M.Phil : Vermifauna of Pondicherry and its utilization in Solid waste Management.

Ph.D : Environmental Education for sustainable development in selected urban schools of Pondicherry and Cuddalore district of Tamil Nadu, India

PDF : An assessment of fresh water resources, biodiversity vulnerability and adaptation strategies to climate change in chosen freshwater wetlands in Puducherry and Villupuram Districts, India

PGDEOH : A survey on the knowledge, attitude, practices and behaviour during the COVID-19 pandemic among students in Puducherry region, India

Research Articles (h-Index 6 i-10 index 3 with 184 citations)

International

1. **R. Alexandar** 2009, Assessment of earthworm distribution in different seasons in and around Pondicherry: India, Asian journal of water environment and pollution vol.6 No1. Page no 43-50 ISSN no 0972-9860
2. **R. Alexandar**, G. Poyyamoli and G. Mariya Rajkumar, 2009. Issue Investigation through Hands-on-Activity Education among School Students. Humanity & Social Sciences Journal 4 (2): 138-142, 2009. IDOSI Publications, 2009 ISSN : 1818-4960
3. **R. Alexandar** and G. Poyyamoli 2010 Biodiversity conservation through environmental education for sustainable development- A case study from Puducherry, India. International electronic journal of environmental education IEJEE green Vol. 1, Issue 2, January 2011 ISSN: 2146-0329
4. Padmavathy, **R. Alexandar** and M. Anbarashan Diversity of Birds in Ousteri Wetland, Puducherry, India, Our Nature (2010) 8: 247-253 ISSN 1991-2951
5. **R. Alexandar** and B. Abraham Ligan 2010 Sustainable Solid Waste Management with Special Reference to Controlled Composting in Puducherry and Cuddalore Towns- India European Journal of Applied Sciences 2 (3): 116-121, 2010 ISSN 2079-2077
6. **R. Alexandar** and G. Poyyamoli 2012 Field Based Learning about Butterfly Diversity in School Garden-A Case Study From Puducherry, India. International electronic journal of environmental education IEJEE green Vol.2, Issue 2, 2012, 149-154.
7. **R. Alexandar**, 2013. Arachnids of Ousteri Lake Riparian area, Puducherry, India. World journal of zoology 8 (1) : 94-97, 2013, IDOSI publications ISSN 1817-3098
8. **R. Alexandar**, 2013. Diversity of fish fauna and their threats in Ousteri lake, Puducherry, India. World journal of zoology 8 (2) : 154-158, 2013, IDOSI publications ISSN 1817-3098

9. **R. Alexandar** and G. Poyyamoli, 2014. The effectiveness of environmental education for sustainable development based on active teaching and learning at high school level-a case study from Puducherry and Cuddalore regions, India. Journal of Sustainability Education, Vol. 7, December 2014.
10. **R. Alexandar** and Poyyamoli, G Int. J. Global Warming.Climate Change education for school students-activity-based teaching learning approach to create knowledge, attitudes skills and behavioral change, International Journal of Global Warming, Vol. 12, Nos. 3/4, 2017
11. **R. Alexandar**, G. Poyyamoli and G. Mariya Rajkumar, 2017. An Assessment Of Teachers Attitudes And Perceptions On Environment Among Secondary School Teachers In Puducherry And Cuddalor Regions, India. Journal of Global Research in Education and Social Science. 9(1): 49-59, 2017, ISSN: 2454-1834
12. **Alexandar, R.**, M. Anbarashan & R. Mondreti (2018). An assessment of threats to the bird Populations in Ousteri wetland, Puducherry, India. Bird-o-soar #10. In: Zoo's Print 33(1): 26:39
13. **Alexandar, R.** (2018). Anurans of Ousteri Lake, Puducherry, India. frog leg#135, In: Zoo's Print 33(5): 11:16.
14. Munisamy Anbarashan, Anbarashan Padmavathy, Ramadoss **Alexandar** & Narayanasamy Dhatchanamoorhty (2019): Survival, growth, aboveground biomass, and carbon sequestration of mono and mixed native tree species plantations on the Coromandel Coast of India, Geology, Ecology, and Landscapes, DOI: 10.1080/24749508.2019.1600910.
15. **Alexander, R.** (2019): Striking colour change pattern against heterogeneous background in Asian Painted Frog *Kaloula pulchra*. *J. Bombay Nat. Hist. Soc.* Vol. 116. doi: 10.17087/jbnhs/2019/v116/121380
16. Narpavi, S., **R. Alexandar** & R. Gour (2020). A checklist of avifauna of the Central University of Tamil Nadu (CUTN) campus, Thiruvarur, Tamil Nadu, India. Bird-o-soar #58, In: Zoo's Print 35(11): xx-xx (Accepted version).

National

1. **R. Alexandar** & J. Jayakumar, 2014. Reptiles of Ousteri Riparian Areas, Puducherry, India. REPTILE RAP #16, March 2014 6-14pp
2. **R. Alexandar** and G. Poyyamoli, 2014. Teaching biodiversity in freshwater wetlands- A field based teaching strategy for school students. ZOOS Print Volume XXIX, Number 5, May 2014
3. M. Muthukumaran, A. A. Vijaya Bhaskara Rao, **R. Alexandar**, 2015. Threats of passive fishing activities on sea snake *Enhydrina schistosa* (daudin 1803) of puducherry coast, india. International Journal of Pure and Applied Zoology. Vol 3, No 1, PP53-58

Short Communications

1. **Alexandar.R.**, Man-animal Conflict HORNBILL Magzine / APR - JUN, 2008 21
2. **Alexandar, R.** 2010. Conservation of Ousteri Lake, Puducherry. Curr. Sci. 98(4):467.
3. **Alexandar R.** & J. Jayakumar Common Sand Boa Reptile Rap 10, June 2010
4. **Alexandar R** & P. Pushparaj Resettlement of weaver birds (*Ploceus philippinus*) in Ousteri Lake, current 10 science, vol. 99, no. 1, 10 July 2010
5. **Alexandar R.**, Need for conservation of common sand boa (*Eryx conicus*) (Schneider 1801), current science, vol. 99, no. 11, 10 December 2010 1497

6. **Alexandar R.**, Indian Bull frogs *Hoplobatrachus tigerinus* (Daudin, 1803) of Ousteri Lake, Puducherry Current science, VOL. 100, NO. 6, 25 March 2011
7. **Alexandar R.**, Skylark (*Alauda arvensis*) – threats and concerns, Current Science, VOL. 103, NO. 1, 10 July 2012
8. **R. Alexandar**, 2015. A relief to Migratory Birds in Ousteri Lake, MISTNET Vol. 15 No 1. 4 October-December 2014
9. **R. Alexandar**, 2018. A Concern for Frogs and Toads. Sanctuary Asia Cub Magazine. Volume 38 | Issue 5 | May 2018
10. **R. Alexandar**. Asian Painted frogs (*Kaloula pulchra*) has striking color change pattern against heterogeneous backgrounds. *J. Bombay Nat. Hist. Soc.*, Vol. 116: 2019
11. **R. Alexandar**. Breeding behaviour of weaver birds (*Ploceus philippinus* Linnaeus, 1766) around Ousteri Lake, Puducherry. *J. Bombay Nat. Hist. Soc* (Accepted)

Book Chapter

1. **R. Alexandar** and G. Poyyamoli 2010, Active based water resources and climate change education among school students in Puducherry, Climate Change and Water and the Sustainable use of water resources 2012, DOI: 10.1007/978-3-642-22266-5-3
2. **R. Alexandar** and G. Poyyamoli 2014, Impacts of Near-Term Climate Change on Chosen Freshwater Wetlands with Special Reference to Biodiversity and Livelihoods in Puducherry and Villupuram Districts, South India
3. **R. Alexandar** and G. Poyyamoli, 2014, Climate Change and Global Warming in Science and Geography Curricula of Tamil Nadu and Puducherry Schools. Green India: Strategic Knowledge for Combating Climate Change: Prospects & Challenges, Excel Publishing Services, New Delhi–110067 Page 254-262
4. **Alexandar** and Aishi Shreya Satapathy, 2019. Students Perception on Climate Change and its Impacts on Human Rights-A Case Study From Central University of Tamil Nadu, India. (Accepted for Encyclopedia of the UN Sustainable Development Goals. Springer Publication.
5. **Alexandar R.** A complete guide for Experimental Procedure in Life sciences (In print)

Book

1. **Alexandar R (2019)**. A compendium of Biodiversity of Central University of Tamil Nadu ; Fuana Volume 1. Published by Central University of Tamil Nadu
2. **Alexandar R and Rahul Gour (2020)**. Reptiles of Ousteri Lake (in Print). Department of Science & Technology, Government of Puducherry
3. **Alexandar R (2020)**. Birds of Puducherry (Accepted). Department of Science & Technology, Government of Puducherry

Consultant

1. Served as consultant for building construction for CRZ clearance
2. Served as consultant for Layout project for CRZ clearance
3. Trainer for community mobilization for solid waste management

References

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I hereby declare that the above-furnished information is true to the best of my knowledge.



(Dr.R.ALEXANDAR)