

PROFILE OF Dr. K. NAGARAJAN

Associate Professor



**VHNSN College(Autonomous)
Department of Zoology,
Virudhunagar**

Name : Dr.K. NAGARAJAN

Department : Zoology

Designation : Associate Professor

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Official : Associate Professor
PG & Research Department of Zoology

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Experience in Teaching : UG -22 years & PG-22 years
Experience in Research : 12 years
Educational Qualification : M.Sc., M.Phil., B.Ed., PGDCA., Ph.D
No: of M.Phil/Ph.D guided & Details : 4 M.Phil scholars

<u>Name of the Scholar</u>	<u>Title of the Thesis</u>	<u>Year</u>
1. S.Yogalakshmi		February-2007
Study of Lead Acetate stress on Hematological and Biochemical parameters of <i>Cyprino carpio</i> fed with Plant products.		
2. G.Gunasekaran -		September-2007
Study of Physiological parameters of <i>Oreochromis mossambicus</i> fed with Plant products under the Calcium chloride stress.		
3. S. Amutha Gokula Radhai -		July - 20018
Hematological and Biochemical study of Teleost fish <i>Oreochromis mossambicus</i> fed with plant products under the Copper Sulphate stress.		
4. S. Sermamoorthy -		July – 2017
Growth and Biochemical study of <i>Oreochromis mossambicus</i> with relation to Physico-chemical parameters of Kullursandhai reservoir, of Virudhunagar District, Tamil nad		

Area of Specialisation : Limnology

Courses Attended:

1. Orientation Course : Madurai Kamaraj University, Madurai
2. Refresher Course : 1.Kerala University, Trivandrum
2.Jawaharlal Nehru University, New Delhi

Project:

Type	Title of the Project	Funding Agency
Minor	Hydrobiology of Kullursandhai reservoir in Virudhunagar (DT), Tamil Nadu	UGC, Hyderabad

Seminars Organised as convenor : Nil

Workshop organized as Convenor : Nil

Appreciation award : PWD appreciation certificate
For my Publications on Kullursandhai reservoir which helped PWD office, Virudhunagar to procure the fund for Reservoir Rehabilitation & Renovation work from Tamil Nad government

Various Positions held:

1. VHNSN College, +2 Talent Exam, Coordinator
2. VVV College – Member, Biochemistry Board of Studies
3. Member – VHNSN College Examination office
4. National Talent Search Exam Faculty – 25 years (Silver Jubilee Trainer)
5. Member - VHNSN College Sports Committee
6. Member – Research Journal of Environmental Sciences

7. Member – International Journal of Environmental Sciences
8. Member – Indian Journal of Fisheries Science
9. Guest lecture in Kshatriya GHSS - Virudhunagar
10. Member in Zoology PG Board of Studies ANJA College, Sivakasi.
11. BEST SCIENTIST AWARD – Awarded by Bose Science Society, Tamil Nadu Scientific Research Organisation, Chennai
12. Fellow of Bose Science Society established under Charter of TNSRO, Chennai
13. Member of Editorial Committee of Indian Journal of Natural Sciences

Seminars, Workshops and Conferences attended:

1. Attended training programme in “Geographical Information System” organized by Magendhiran Consultancy Services, Kanchipuram from 7.12.2012 to 10.12.2012.
2. Participated in UGC sponsored Short Term Course on “Research Methodology, Techniques of Writing Research Articles for Ph.D thesis, conducted by Dept. of Geology, Anna University, Chennai.
3. Participated in State level One Day Workshop conducted by School of Mathematics, Madurai Kamaraj University, Madurai on 30th August 2013.
4. Participated in Short Term Course on “Research Methodology in Science” conducted by Academic Staff College, Madurai Kamaraj University, Madurai from 23.6.2014 to 28.6.2014.
5. Participated in Short Term Course on “ Data Analysis using Software” conducted by Academic Staff College, Madurai Kamaraj University, Madurai from 18.8.2014 to 23.8.2014
6. Participated in the “Academies Lecture Workshop on Recent Trends in Biological Sciences” organized by PG & Research Department of Zoology, The American College, Madurai on 21st & 22nd, January, 2016

7. Participated in 7th National Conference on Natural Sciences in association with TamilNadu Scientific Research organization, Pudukottai. 5th, July, 2017 PMSSS Conference Hall, Pudukottai.

Papers Published in State, National and International Seminars Workshop and Conferences

International Level

1. **K.Nagarajan and S. Kannan, 2014.** Study of growth and Haematology of the fish *Oreochromis mossambicus* grown in Kullursandhai reservoir water of Virudhunagar (DT) India under the Cadmium chloride stress. Int. Res. J.Env.Sci Vol.3 (3) 1-7.
2. **K.Nagarajan and B.Govindarajan, 2015.** Assessment of Municipal Solid Waste generational in Arupukottai town. Int.J.of Current Sci. Vol1(1) 14-18.
3. **K.Nagarajan and S. Kannan, 2015.** Biodiversity of Indian major Carps (*C.catla*, *L.rohita*, *C.mrigala* and *O. mossambicus*) in Kullursandhai reservoir in Virudhunagar District of Tamil Nadu based on the Length-Weight relationship. Venture Int. J. Bio.Sci. Vol.1(1) 72-80.
4. **K.Nagarajan and S. Kannan, 2016.** Population study of Phytoplankton in Kullursandhai reservoir with relation to Atmospheric temperature by applying Geographical Information System (GIS). Int.J.Current Sci. Vol 2(1) 204-211.
5. **K.Nagarajan and S. Kannan, 2017.** Annual Growth study of Fresh water fishes in Kullursandhai dam with relation to Zooplankton density, International Journal of Current Science Research, Vol.3; (2) pp 1138-1144.
6. **N.Guru Saran, K. Nagarajan and T.Ponpandi, 2017.** Mobile charger from Wind energy during the Bike Journey. International Journal of Current Science Research, Vol.3; (2) pp 1114 -1121.

National Level

1. **K.Nagarajan and S. Kannan, 2013.** Seasonal study of Physico-chemical

parameters and Planktons in Kullursandhai reservoir in Virudhunagar District Tamil Nadu. J.Res. Environ.& Life Sci. Vol6(4) 11-146.

2. **K.Nagarajan and S. Kannan, 2015.** Study of Blood cells of the fish *Oreochromis mossambicus* under Copper Sulphate stress with relation to some Physico-chemical factors of Kullursandhai reservoir water in Virudhunagar (DT) Tamil Nadu. Zool.Surv. India. 21-26.
3. **K.Nagarajan and S. Kannan, 2016.** Phytoplankton Species Diversity in Kullursandhai reservoir with relation to the Transparency of Water. COLLEGE SADHANA – Journal of Bloomers of Research, Vol:8 (2)
4. **K.Nagarajan and S. Kannan, 2017.** Comparative study of Phytoplankton population and the Length-Weight relationships of fishes in the Lentic fresh water ecosystem. COLLEGE SADHANA-Journal of Bloomers of Research, Vol: 9 (2)

Research Paper Oral Presentation:

International Level

1. Study of Lead Acetate stress on the Haematological parameters of the fish *Cyprinus carpio* in the Kullursandhai reservoir of Virudhunagar District during the Monsoon season. **3rd International Congress** on GW-BIMC, from 26th to 28th, Nov, 2013 held at Dept. of Zoology, Bharathiar University, Coimbatore.
2. Study of the fish *Oreochromis mossambicus* grown in the Kullursandhai reservoir of Virudhunagar District under the stress of Cadmium chloride. **3rd International Sci. Congress**, conducted by Karunya University, on 8th & 9th, Dec, 2013.
3. Assessment of the Physiology of Tilapia fish Length/weight in Kullursandhai reservoir Dam water of Virudhunagar District. **International Conference** on Physiology & medicine, Department of Zoology, Periyar University, Salem, 15th-17th October, 2014.

4. Geographical Information System Study on Phytoplankton Species Diversity in a Lentic habitat. **International Conference** on “Challenges and Opportunities in Life Sciences” organized by Sri Meenakshi Govt. Womens College, Madurai held on 05.04.2016 to 06.04.2016.

National Level

1. Study of Blood cells of fish *Oreochromis mossambicus* under the Copper Sulphate stress with relation to some Physico-chemical factors of Kullursandhai reservoir water in Virudhunagar District, Tamil Nadu. **National Conference** on Zoology for Future Education Research Dept; of Zoology, Queen Marys College, Chennai & Zoological Survey of India held on 23rd to 24th January, 2014.

2. Study of some Physico-chemical factors and Microbial population in Kullursandhai reservoir of Virudhunagar. **National Seminar** on Frontiers in Env. Res. and Applications. Dept. Env, Sci. Periyar University, 18th February, 2014.

3. GIS approach to study the effect of Temperature in Kullursandhai reservoir in Virudhunagar District. **National Seminar** “Frontiers in Life Sciences” held on 7th February, conducted by Dept. of Zoology, Meenakshi Govt. College, Madurai.

4. Assessment of Hydrogen ion concentration in the water of Kullursandhai reservoir in Virudhunagar District Tamil Nadu. **National Seminar** on Water Sanitation & Hygiene-WASH conducted by Dept. of Zoology, EMG Yadava Womens College, Madurai on 20th & 21st February, 2015.

5. Mass production of Phytoplankton by using GIS tools in Kullursandhai dam water with relation to the Oxygen status. **National conference** conducted by Dept. of Botany, Thiagarajar college, Madurai on 30th & 31st March, 2015.

6. Population study of Zooplankton by applying GIS software in Kullursandhai Dam with relation to Atmospheric temperature. **National Conference** in Biodiversity, conducted by Kongunad Arts & Science college, Coimbatore on 16th February, 2016.

7. Application of GIS software to study the Zooplankton population with relation to the Oxygen status in the water of Kullursandhai Dam. **National conference** on

‘Avenues in Biotechnology’ conducted by Nandha Arts & Science College, Erode on 17th February, 2016.

8. Hydrobiology of Kullursandhai Reservoir in Virudhunagar District, Tamil Nadu. 7th National Conference on Natural Sciences in association with TamilNadu Scientific Research organization, Pudukottai. 5th, July, 2017 PMSSS Conference hall, Pudukottai.

State Level

1. Primary productivity of Kullursadhahi reservoir in Virudhunagar district, Tamil Nadu. **State Level Seminar** conducted by School of Energy, Madurai Kamaraj University, Madurai on 28th March, 2014.

Degree	Awarded	Submitted	Guiding
Ph.D	Awarded - 2016	Nil	nil

Invited Lectures Delivered :

1. Chief Guest & Resource person in Virudhunagar MSP Nadar College of Education, Virudhunagar on 2nd March, 2012.
2. Resource person in Sri Saradha Matriculation School, Virudhunagar on 12th October, 2014.
3. Resource Person & Guest Faculty of Kshatriya Girls, HSS, Virudhunagar
4. NTSE Faculty – Silver Jubilee trainer awardee.
5. Invited Lecture in National Conference at EMG Yadava Womens college, Madurai on 20 to 21st February, 2015
6. Resource person in VVV College, Virudhunagar inaugurating UG Zoology Association on 12th, August, 2015.
7. Resource person in Sri Saradha Womens college, Coimbatore on 12th December 2015 on topic “Animal Behaviour”
8. Resource person in National conference in Kongunad Arts & Science college, Coimbatore on 16th, February, 2016.

9. Chairperson for the Poster presentation in Nandha Arts & Science college, on 17th, February, 2016.
10. Resource person in INSPIRE programme in VHNSN College, Virudhunagar
11. Resource person for the +2 Biology students in Kalaimagal Vidhyalaya Matriculation HSS, Royapetai, Chennai during the year 2016-2017.
12. Resource person for the +2 Biology students in KVS Matriculation HSS, Virudhunagar during the year 2016-2017.
13. Guest speaker in the KVS Mat. HSS, Virudhunagar in the NSS camp on 30.12.2016 on the topic "Research in Science"