

Captain. Dr. N. ALAGUMANIKUMARAN PROFILE



Name : Capt. Dr. N.ALAGUMANIKUMARAN
Department : Zoology
Designation : Assistant Professor
Office Address : Department of Zoology
VHNSN College (Autonomous)
Virudhunagar – 626 001. Tamil Nadu. India.

Residential Address : 6/1334,Krishna Street, RS Nagar,
Virudhunagar – 626 001. Tamil Nadu.

Email : vnralagu@gmail.com, alagumanikumar@vhnsnc.edu.in
Mobile : +91 9788252429

Experience in Teaching : 18 Yrs. (PG 16 Yrs. UG 18 Yrs.)
Experience in Research : 10 years
Date of Birth : 20/04/1977
Education Qualification : M.Sc., M.Phil., Ph.D.

Titles of n

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|---------|---|-----------------|
| M.phil. | “Studies on mortality, growth and Cocoon production in Earthworm <i>Eisenia foetida</i> and <i>Eudrilus eugeniae</i> reared in different animal manure | M.K.University |
| Ph.D., | Synthesis of silver nanoparticles and their effect Physiological, and economic traits of <i>Bombyx mori</i> (L) (<i>Lepidoptera: bombycidae</i>) | M.K. University |

Areas of Specialization:

- ❖ Vermitechnology.
- ❖ Biosynthesis of silver nanoparticles.
- ❖ Seritechnology

Projects:

| Title of Project | Name Of The Funding Agency | Duration | Remarks |
|---|-----------------------------------|-----------------|--------------------------------|
| Evaluation and improvement of economic traits of <i>Bombyx mori</i> using Vermiwash (Coelomic Fluid of <i>Eudrilus eugeniae</i>) | UGC | 2010--2012 | Amount sanctioned Rs. 1,30,000 |

National / International level Seminars, Symposium, Conferences and Workshop Attended and Papers Presented

| Name of the Seminar Conferences, symposia, Workshops etc. | Name of the sponsoring Agency | Place and Date |
|--|--|--|
| One day special camp for NAAC visit | V.H.N.S.N. College, Virudhunagar | V.H.N.S.N. College, Virudhunagar, 9 th January 2008 |
| Research orientation for Science lecturers | Research Committee, Science | V.H.N.S.N. College, Virudhunagar, 17 th August 2008 |
| Human rights Advocacy and Training | UGC sponsored | V.H.N.S.N. College, Virudhunagar, 6 th to 9 th August 2008 |
| National Seminar on Quality Sustenance in Higher Education | NAAC sponsored | V.H.N.S.N. College, Virudhunagar, 26 th September 2008 |
| Winter School on Advanced Biological Techniques for Fisheries Professional | Educational Division of Indian Council of Agricultural Research, new Delhi | Tamilnadu Veterinary and Animal Sciences university, Fisheries College and Research Institute, Thoothukudi |

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| Enhancing the Quality and Accessibility of Higher Education Through ICT | TANSCHE sponsored | V.H.N.S.N. College, Virudhunagar, 23 rd January 2009 |
| Short duration lecture workshop on Biological Sciences | Indian Academy of Sciences, Bangalore sponsored | Vivekananda College, Madurai, 12 th to 13 th march 2009 |
| Marine Resources - Sustainable Utilisation and Conservation | UGC sponsored national symposium | St. Mary's College, Thoothukudi, 11 th and 12 th December 2009 |
| One day workshop on Academic writing for researchers | Research Centre in English, VHNSN college | V.H.N.S.N. College, Virudhunagar, 14 th December 2009. |
| Workshop on Modern Approaches in Poultry Management | Nadar Mahajana Sangam S. Vellaichamy Nadar College, Madurai | Madurai, 4 th January 2010 |
| Recent Trends in Bio resources Conservation and Management | Department of Advanced Zoology and Bio Technology | Aditionar College of Arts and Science, Tiruchendur, 15 th October 2010 |
| NCC Officers Training Academy, Kamptee | NCC Pre Commission Course | Nagpur, 29-11-2010 to 26-02-2011 |
| National Seminar on Recent Trends in Yoga and Physical Education | UGC sponsored | V.H.N.S.N. College, Virudhunagar, 11 th to 12 th August 2011 |
| NCC Officers Training Academy, Kamptee, Hand ball | NCC Pre Commission Course | Nagpur |

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| National Civil Defence College, Nagpur, Search and Rescue Course | | Nagpur, 01-02-2011 to 02-02-2011 |
| National level seminar on human rights : Challenges and responsibilities | UGC sponsored | V.H.N.S.N. College, Virudhunagar, 29 th to 30 th September 2011 |
| National seminar on cyclonic changes and its impact on marine biodiversity | Ministry of Earth Sciences, Government of India, New Delhi | V.H.N.S.N. College, Virudhunagar, 9 th to 10 th February 2012 |
| Training Programme on Computer hardware and system maintenance | Instrument Maintenance Facility, UGC, New Delhi | V.H.N.S.N. College, Virudhunagar, 5 th March to 13 th March 2012 |
| National conference on Industrial Pollution and Control Technology | Annamalai University | Chidambaram, 2013 |
| State level seminar on pollution and eco management | Nadar Mahajana Sangam S. Vellaichamy Nadar College, Madurai | Madurai, 11 th march 2013. |
| Spread Gandhism | Gandhi Museum | V.H.N.S.N. College, Virudhunagar, 06-08-2013 |
| Capacity Building Workshop on E-Content Development | V.H.N.S.N. College, Virudhunagar | 11 th to 15 th March 2014 |
| One day State level symposium on Rearing Multivoltine Silkmoth (Bombyx Mori) By | Tamilnadu State Council for Science and Technology, Chennai, NCSTC - New Delhi and Hajee Karutha Rowther Howdia College | Uthamapalayam, 28 th August 2014 |

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| adopting Innovative technology | | |
| Book Festival | National Book Trust, New Delhi and OBA of VHNSN College, Virudhunagar | K.V.S. School, Virudhunagar, October 2014 |
| One day workshop on "Nano Technology" | Mepco Schlenk Engineering College | Sivakasi, 9-01-2015 |
| Disaster Awareness Programme | Sri Sathya Sai Seva Organisations, Tamilnadu | 6 th & 7 th October 2015 |
| International Conference on Biodiversity and Evaluation perspectives and paradigm shifts | Sree Sankara College, Kalady | 2 nd and 3 rd December 2015 |
| National conference on Advances in Biological and Environmental sciences (NCABES-2016) | Department of Biology Gandhigram Rural Institute Deemed University, Gandhigram | 25 th & 26 th February 2016 |
| International Conference on Challenges and Opportunities in Life Sciences | UGC Sponsored | Sri Meenakshi Government Arts College for Women (Autonomous), Madurai, 5 th and 6 th April 2016 |
| Enrichment Programme for XII - 2016 | Alumni of Esteemed Institution of V.H.N.S.N. College, Virudhunagar | 11 th to 20 th April 2016 |
| Waste Management and Awareness | Caring Nature | Virudhunagar, 5 th June 2016. |
| Seminar on Research Methodology | UGC autonomy sponsored | 23 rd July 2016 |

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| International conference on Make in India- Initiatives ,ideas&Challengers Topic Sericulture Make in Inida -Make India | Organized by Department of Commerce (SF) | 19 th &20 th August - 2016 |
| International conference on Cancer Biology:Drug Discovery and Noval Therapeutics | Department of Zoology Saiva Bhanu Kshatriya College,Aruppukottai. | 29 th & 30 th September 2016 |
| National conference on Bioresources:Conservation, Utilization and Future prospects(NCBCUFP-2017). | Organized by Department of Biology The Gandhigram Rural Institute- Deemed University, Gandhigram. | 16 th &17 th February 2017 |
| Two day national seminar on Frontier areas in chemical sciences (FACS-2017) | Organized by Department of Chemistry V.H.N.S.N. College, Virudhunagar | 22 nd &23 rd June 2017 |
| One day State Level Seminar on Wildlife Conservation and Forest Promotion | Organised by Post Graduate & Research Department of Zoology with Tamilnadu Arrival Sangam | 28 th February, 2019 |
| National Seminar on Role of biotechnology in conservation of plant genetic resources | Organized by VHN Senthikumara Nadar College(Autonomous)Virdhunagar | 20th March 2021 |
| Served as a Coordinator in FUN FIESTA 2021 | Organized by VHN Senthikumara Nadar College(Autonomous)Virdhunagar | 3rd November 2021 |

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| FDP on Digital Pedagogy and New Education Policy 2022 | Organized by VHN Senthikumara Nadar College Management (Autonomous) Virdhunagar | 9th August 2022 |
| DBT sponsored Popular Lecture series in biotechnology | Organised by Department of Zoology, Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi | 18th & 19th April 2022 |
| Two day training programme on ornamental fish culture | Organised by Department of Zoology, Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi | 22nd and 23rd September 2022 |

Refresher/Orientation Attended

| Refresher/Orientation | Sponsor | Venue and Date |
|-----------------------------------|---------------|---|
| Orientation Programme | UGC sponsored | Madurai Kamaraj University, Madurai, 15 th July 2009 to 11 th August 2009 |
| Refresher Course | UGC sponsored | Madurai Kamaraj University, Madurai, 3-11-2009 to 23-11-2009. |
| Refresher Course in Life sciences | UGC sponsored | Bharathidasan University, Thiruchirappali- 19.6.2018 to 9.7.2018 |

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| Refresher Course | UGC sponsored | Madurai Kamaraj University, Madurai, 16.11.2018 to 6.12.2018 |
| Refresher Course in “Research methodology and data analysis” through online | UGC sponsored | TLC, Ramanujan College, University of Delhi 17/05/21 to 31/05/21 |

Seminar /Workshop/ Conference organised

| Name of the programme | Sponsor | Date |
|---|------------------|------------|
| One day workshop on identification and observation of Butterflies and Birds | ROAR Rajapalayam | 22-02-2022 |
| One workshop on Silk Cocoon Handicrafts training | DBT-Star College | 25-03-2022 |

Books Published

| Name of the book | ISBN number | Publishers | Year of publication |
|---|--------------------------|--|---------------------|
| Green Synthesis of Silver Nanoparticles and its antibacterial effect | 978-613-9-81525-8 | Lap Lambert Academic Publishing | 2018 |
| Books chapter Published Self Esteem Chapter in Life Skills Education | 978-81-942052-3-4 | Virudhunagar Hindu Nadars’ Senthikumara Nadar College | 2020 |

Project guided

| Name of the course | Name of the Student | Title |
|--------------------|---------------------------------|---|
| Msc | 1.Joy Blesty 2. Krishnapriya | EFFECT OF LARVICIDAL AND PUPICIDAL ACTIVITY OF MULBERRY PLANT AGAINST Aedes Aegypti (DIPTERA: CULICIDAE) Biosynthesis of silver nanoparticles (AgNps) using coelomic fluid of <i>Eisenia foetida</i> and its antibacterial activity against <i>Escherichia coli</i> and <i>staphylococcus aureus</i> |
| Bsc | 2 | |

Guest speaker

| Date | Name of the college | Department | Topic |
|------------|---|-----------------------|--|
| 26.07.2010 | V.V.Vanniaperumal College for Women, Virudhunagar | Department of Zoology | Sericulture |
| 30-01-2021 | V.V.Vanniaperumal College for Women, Virudhunagar | Department of Zoology | Apiculture |
| 21-01-2022 | V.V.Vanniaperumal College for Women, Virudhunagar | Department of Zoology | Museum specimen preparation and maintenances |

Act as a Jury

| Name of the Competition | Name of the institution | Date |
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| Science Feast -09 | KVS Matriculation Higher Secondary School, Virudhunagar | 16th August 2009 |
| Science Feast '10 | KVS Matriculation Higher Secondary School, Virudhunagar | 29th August 2010 |
| Fantasy 2010 | VHNSN College, Virudhunagar | December 2010 |
| World of Mantra's Creation | RJ Mantra English school, Virudhunagar | August 2013 |

Extension Activity

| S.No | Date | Nature of Extension Activity |
|-------------|-----------------------------------|--|
| 1 | 18-5-2012 to 27-5-2012 | attended CATC Camp at VSVN Polytechnic virudhunagar. |
| 2 | 23-8-2012 to 1-9-2012 | attended CATC Camp at VHNSN College, Virudhunagar |
| 3 | 6-10-2012 to 8-11-2012 | attended the Refresher course for NCC Mr. N. Alagumanikumar attended officers at OTA, Kamptee, Nagpur |
| 4 | 23-12-2012- 01-01-2013 | attended CATC Camp at Devangar Hr. Sec. School, Aruppukottai |
| 5 | 12-1-2013 | organized Cycle rally on "Dengue awareness" |

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| 6 | 7-8-2012 to 9-9-2012 | attended organized a trekking camp at “Thiruolagam parai” |
| 7 | 12-01-2013 | Organised One day cycle rally on Dengue awareness from Virudhunagar -Amathur- Erichanatham - Virudhunagar |
| 8 | 27-02-2014 to 1-03-2014 | Organised Three days cycle rally on “Environment awareness and water conservation” Virudhunagar-Vember |
| 9 | 05-02-2015 to 07-02-2015 | Organised Three days cycle rally on “Environment awareness and water conservation” Virudhunagar-Vember |
| 10 | 01-10-2015 to 03-10-2015 | Organised Three days cycle rally on “Environment awareness” Virudhunagar-Coutrallum |
| 11 | 03-09-2016 | Organized one day Cycle rally on “Environmental awareness”from Virudhunagar -Amathur- Erichanatham - Virudhunagar |
| 12 | 16-09-2017to18-09-2017 | Organised Three days cycle rally on “Ozone layer protection awareness” Virudhunagar-Theni |
| 13 | 13-12-2019 to 15-09-2019 | Organised Three days cycle rally on “Environment awareness and water conservation” Virudhunagar-Ramanathapuram |
| 14 | 18-12-2021 to 24-12-2021 | Attended CATC Camp 2021 at NTA Idayapatti, Madurai |
| 15 | 04-01-2022 to 06-01-2022 | Attended Annual Training Camp at VSVN Polytechnic, Virudhunagar |
| 16 | 23-02-2022 to 27-02-2022 | Attended Annual Training Camp at VSVN Polytechnic, Virudhunagar |

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| 17 | 25-04-2022 to 04-05-2022 | Attended Annual Training Camp at ANJA College, Sivakasi |
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Paper Published

1. Govindarajan, B., **Alagumanikumaran, N.**, Prabakaran, V., & Senthilkumar, P.. (2012), Administration of virudhunagar municipality for handling municipal solid waste (MSW), *Applied Biology and Biotechnology*, 1 (1), 6-7.
2. Lawrence, B., **Alagumanikumaran, N.**, Prithivikumar, N., Jeyakumar, N., Ramadas, V. & Natarajan, B. (2012). Effect of surface modification on the porous silicon infiltrated with biomolecules, *Applied surface science*, 767-771
3. **Prema, P.**, Narmadha Devi, M. & **N. Alagumanikumaran. (2013).** Production of tumor inhibitory L-asparaginase by wild and mutant strains of *Pseudomonas fluorescens*, *International Journal of Advanced Research*, 1(4), 163-171.
4. **Alagumanikumaran, N.** & Prema, P. (2016). Studies on growth rate, economic traits and fecundity of *Bombyx mori* (l) lepidoptera:Bombycidae fed with mulberry fruits reduced silver nanoparticles treated mr2 mulberry leaves, *College Sadhana- A Journal for Bloomer of research*, 9 (1).
5. **Alagumanikumaran, N.** & Prema, P. (2016). Studies on evaluation and improvements of growth and economic parameters of *Bombyx mori* (L) influence under Mr2 leaves fortified with natural honey, *International Journal of current science research*, ,2(6):757-765.
6. Prema, P., Subashini, N., Nageswari, M. & **Alagumanikumaran, N.** (2016). Nanosilver synthesis using a gram negative *Pseudomonas aeruginosa* (MTCC 2453) and its potential application on urinary tract infecting bacteria, *European journal of biomedical and pharmaceutical sciences*, 3 (10) 340-349.
7. Prema, P. & **Alagumanikumaran, N.** (2018). Isolation and Biochemical Identification of Urinary tract infecting bacterial pathogens and their antibiotic susceptibilty pattern, *World Journal of Pharmaceutical Research*, 7 (2), 809-816

Board of Studies Member

| Positions | Department | Name of the college |
|----------------|----------------------|----------------------|
| Subject Expert | National Cadet Corps | SRNM College, Sattur |

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| CPCSEA- Animal Ethical Committee Nominee | Environmental Nominee | Karpagam Pharmacy College of Medical Sciences, Coimbatore |
| CPCSEA - Animal Ethical Committee Nominee | Environmental Nominee | Pasturer Institute, Coonoor |
| Subject Expert | Zoology | Pope's College Sawyerpuram |