

Curriculum Vitae

N. Aathimoolam

Tamil Nadu, India - 626 121

Date of Birth: 19/04/2000

Mobile: +916369385857

Email: npaathi03@gmail.com

Website: <https://npaathi.blogspot.com/>



OBJECTIVES

Highly motivated and dedicated candidate with a strong background in Molecular Biology and Zoology seeking a challenging research position to contribute to cutting-edge advancements in the field of Cell biology.

EDUCATION

Master of Science in Zoology Alagappa University – 630 003	2020 - 2022 CGPA: 8.37
Bachelor of Science in Zoology Ayya Nadar Janaki Ammal College, Sivakasi - 626 124	2017 - 2020 CGPA: 7.22
Higher Secondary School (Biology & Mathematics) Sevugapandia Gov Her Sec School, Seithur - 626 121	2016 - 2017 Percentage – 80.33%

OTHER COURSES

Introduction to Professional Scientific Communication NPTEL Online Certification	2020 - 2021 Percentage: 63.0%
Medical Laboratory Technology (CMLT) Ayya Nadar Janaki Ammal College, Sivakasi – 626 124	2018 - 2019 CGPA: 8.0
Biotechnology Ayya Nadar Janaki Ammal College, Sivakasi – 626 124	2017 - 2018 CGPA: 8.55

RESEARCH EXPERIENCE: PROJECTS WORKED & GRADUATE

Research assistant, Alagappa University, Assistant Professor: Dr. P. Kumar	06/2022-06/2023 Tamil Nadu, India
---	--------------------------------------

Project List:

1. Anticancer activity of phloroglucinol derived carbon quantum dots.
2. Cinnamic acid carbon quantum dots: an excellent biosensor for detection of epicatechin.
3. Impact of penicillin on *hydra vulgaris*: a toxicological approach.
4. Chloramphenicol induces apoptosis in *hydra vulgaris*.
5. Research on the influence of rifampicin on *hydra vulgaris*.
6. Kanamycin impacts the growth of *hydra vulgaris*.

Master of Science in Zoology, Alagappa University, Professor: Dr. P. Srinivasan, Thesis: Studies on Antibacterial, Antioxidant, Anticancer, and Toxicity assay of green synthesized silver nanoparticle from <i>sepioteuthis lessoniana</i> ink. [Dissertation Link]	12/2021-05/2022 Tamil Nadu, India
---	--------------------------------------

Internship, Par Life Sciences and Research Pvt ltd, Advanced Molecular techniques	18/10/2021-21/10/2021 Tamil Nadu, India
--	--

Bachelor of Science in Zoology,
Ayya Nadar Janaki Ammal college,
Assistant Professor: Dr. T. Veni

12/2019-06/2020
Tamil Nadu, India

Thesis: A Survey of Medicinal plants in Sastha Kovil, Virudhunagar District, Tamil Nadu.
[\[Dissertation Link\]](#)

CONFERENCE PRESENTATION

- **Narayanan Aathimoolam**, Sabapathi Durgadevi, Selvaraj Anitha, Alagarsamy Arun, Ponnuchamy Kumar*, (2023) “*Eco-toxicological assessment of paracetamol utilizing Hydra as a model organism*”, Oral Presentation at the “4th International Conference on Recent Trends in Microbiology (RTM-2023).

CONFERENCES & SEMINRS

- Participated the National Conference on “**Recent Advanced in Structural Biology**” held on 4th & 5th November National College (Autonomous), Tiruchirappalli.
- Participated the National Seminar on “**Next Generation Technology for Sustainable Fisheries**” held on 29th & 30th March 2022 at Alagappa university, Karaikudi.
- Participate the RUSA 2.0 – BCTRC on “**Brainstorming Lecture Series on Cancer Theragnostic (Online Mode)**” held from 12th to 23rd September 2022, organized by Bharathiar Cancer Theranostic Research Centre, Bharathiar University, Coimbatore.
- Participated the Southern India Regional Young Peace Makers Programme on “**National Integration & Peace, Leadership, Active Listening, Identifying Problems in the Community & Project Development**” held on 26th to 28th November 2021, National Council of YMCAs of India, Karaikudi.
- Participated the International Webinar on “**Aqua Probiotics Conference (FEEDBACK)**” held on 25 September 2023, Envoyzyme Technologies Private Limited.
- Participated the National Webinar on “**Biomedical Waste Impact during Pandemic Times**” held on 12th June, 2021, Centre for Environmental Education and Ecological Development (CEED), Acharya Nagarjuna University, Andhra Pradesh.
- Participated the Online Programme on “**Three Days Online Course on Apiculture**” held on 13th to 15th May 2020, Ayya Nadar Janaki Ammal college, Sivakasi.
- Participated the Awareness Programmed on “**Academic Writing and Research Ethics**” held on 28th February 2020, Ayya Nadar Janaki Ammal college, Sivakasi.
- Participated the Awareness Programmed on “**Trending research avenues in biological sciences**” held on 31th January 2020, Sri S. Ramasamy Naidu Memorial college, Sattur.

WORKSHOPS

- Participated the National level workshop on “**One-Day National Level Workshop Patenting and Collaboration with Industries**” held on January 30th, 2023, Organized by Industry and Consultancy wing & University Business Collaboration Centre, Alagappa University, Karaikudi.
- Participated the awareness programmed on “**Microbial Fertilizers and Uses**” held on 03rd to 4th October 2019, Ayya Nadar Janaki Ammal College and National Bank for Agriculture and Rural Development, Sivakasi.
- Participated the workshop programmed on “**Molecular Techniques**” held on 09th February 2018, Ayya Nadar Janaki Ammal college, Sivakasi.

RESEARCH AND LABORATORY SKILLS

- **Cancer:** Cancer Cell culture Techniques, MTT, Fluorescence Techniques (AO/EtBr, DAPI, Hoechst, PI, DCFDA- H₂, ROS).
- **Molecular Techniques:** Primer design for Gene Expression Study, DNA & RNA Isolation, Electrophoresis.
- **Ecological Model Organism (*Hydra vulgaris*):** Culture of *Hydra vulgaris*, *Hydra* Maintain.
- **Model Organism (*Hydra vulgaris*) analytical techniques:** Acute Toxicity Test, Biological Staining (AO, DAPI, DCFDA-H₂), Battery Cell Complex, Regeneration Study, Population Study.
- **Microbes:** Isolation of Bacteria, Anti-bacteria, Bacterial staining.
- **Instruments Handling:** UV-Vis Spectroscopy, FTIR, Inverted Phase Contrast Fluorescence Microscope, ELISA Plate Reader, etc.,
- **Computer Skills:** Proficient with Microsoft Office (Word, Excel and PowerPoint), and Statistical analysis (SPSS, Originlab, Graph pad) etc.,

ACADAMIC REFERENCES

1. **Dr. SP. Sevarkodiyone,**
Head & Associate Professor,
P.G and Research Department of Zoology,
Ayya Nadar Janaki Amma College (Autonomous),
Sivakasi, Tamil Nadu, India - 626124
Email ID: sevarkodiyone@gmail.com
Contact no: +919865132654
2. **Dr. R. Ramakrishnan,**
Associate Professor,
P.G and Research Department of Zoology,
Ayya Nadar Janaki Ammal College (Autonomous),
Sivakasi, Tamil Nadu, India – 626 124
Email ID: jairams.zoo@gmail.com
Contact no: +9163826337525