

PRAMOD NAMAL RAVIHARA

Chemist /
Chemical Analyst



Manawaduge Pramod Namal Ravihara



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TECNICAL SKILLS

Analytical Chemistry

- Titration,
- Gravimetric Analysis
- Spectrophotometry (UV-Vis, IR, MS, AAS)
- Chromatography (HPLC, GC, TLC)

Organic/Inorganic

- Purification
- FTIR
- NMR/IR

Physical Chemistry

- Calorimetry
- Rate law determination

Biochemistry

- Enzyme kinetics
- Fluorescence Spectroscopy

Biochemistry

- Safety: Hazardous waste disposal, PPE protocols
- Equipment: Schlenk line, rotary evaporators, vacuum pumps, autoclaves

LANGUAGE

- English
- Sinhala
- Tamil

ABOUT ME

I am recent graduate with a B.Sc. in Applied Sciences from Rajarata University of Sri Lanka. Possesses a good academic background combined with hands-on experience gained through researches and projects. Passionate and detail-oriented specializing in **analytical and environmental chemistry**. Equipped with hands-on laboratory expertise in advanced techniques such as **HPLC, UV-Vis spectroscopy, and gravimetric analysis**, I am driven to address pressing ecological challenges through rigorous scientific inquiry. My research on microplastic pollution in freshwater ecosystems and plant growth under environmental stressors reflects my commitment to sustainable solutions and environmental stewardship. Committed to continuous learning and professional development.

EDUCATION

Am / Lahugala M.V.

2003 Jan - 2013 Dec

- General Certification of Education Ordinary Level

Dharmaraja College Kandy

2014 Jun - 2017 Dec

- General Certification of Education Advanced Level

Rajarata University of Sri Lanka

2022 Apr - 2025 May

Biological Science Department

- Successfully completed B.Sc. Applied Sciences [General] major in Chemistry/Computer Science

RESEARCH EXPERIENCE

Unveiling Microplastic Pollution in Tilapia: Insights from Mahakanadarawa Lake, Sri Lanka

- Studied microplastic contamination in Nile Tilapia (*Oreochromis niloticus*) from Sri Lanka's Mahakanadarawa Lake, assessing pollution levels in fish, water, and sediment. Explored ecological and human health risks from agricultural runoff and domestic waste, providing critical baseline data for understudied freshwater ecosystems and sustainable management strategies.

The Effects of Magnetic and Gravitational Fields on Azolla Plant Growth

- Studied the effects of magnetic and gravitational fields on the growth of the Azolla plant. The effects were studied to examine its potential for cultivation and use as a fertilizer under various environmental conditions.

SOFT SKILLS

- Leadership
- Teamwork
- Critical Thinking
- Management Skills
- Problem Solving
- Adaptability
- Creativity
- Proficiency in AI tools

REFERENCES

Dr. Manoj Fernando

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Rajarata University,
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