

Prathibhani Wanigasekara

Energetic, diligent and responsible graduate who is specialized in chemistry. Good communicator and fast learner who likes to work hard.


PROFILE

- Date of Birth : 10-09-1996
- Civil status : Single
- NIC : 967541877V

CONTACT INFORMATION

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 A/E 8-18, Ranpokunagama,
Nittambuwa

KEY STRENGTHS AND SKILLS

- Communication
- Team Work
- Analytical Skills
- Problem Solving
- Decision Making
- Adaptability
- Computer Skills

WORKING EXPERIENCE

Currently working as a demonstrator in Department of Chemistry, University of Ruhuna

EDUCATION BACKGROUND

UNIVERSITY EDUCATION

- **University of Ruhuna, Sri Lanka. (2017 - 2021)** - Bachelor of Science (special) Degree in Chemistry
(Second class upper division, GPA 3.47/4)

Areas of Expertise

Advanced organic chemistry	Natural product chemistry
Advanced inorganic chemistry	Pharmaceutical chemistry
Physical chemistry	Nano chemistry
Analytical chemistry	Green chemistry
Laboratory quality management	Spectroscopy(NMR, FTIR, UV,AAS etc.)
Biochemistry	Computational chemistry
Environmental chemistry	Food chemistry
Industrial chemistry	Laboratory Physical Chemistry
Laboratory Inorganic Chemistry	Laboratory Organic Chemistry
Laboratory Analytical Chemistry	Laboratory Biochemistry

SECONDARY EDUCATION

- **Rathnavali balika vidyalaya, Gampaha**
G.C.E. Advanced Level in physical science stream (2015) – 3C's
G.C.E. Ordinary Level (2012) – 8A's 1B

PRIMARY EDUCATION

- **Ranpokunagama maha vidyalaya, Ranpokunagama**

RESEARCH/ PROJECTS

Multi-stimuli switching of quadratic nonlinear optical properties in DTE-containing ruthenium alkynyl complexes: A DFT method (undergraduate research)

Computational study of six-state multi-stimuli (photochemical, electrochemical and protic) switch for prospective prototonic technology applications

Probability of Matching numbers, Expected Value and Standard Deviation of Sri Lankan Lotteries (2017)

Numerical approaches in solving 1D flow interactions between sea and inland water (2018)

REFEREES

Dr. M.S. Kodikara
Senior Lecturer,
Department of Chemistry,
University of Ruhuna, Matara.
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Dr. Y.M.A.L.W. Yapa
Senior Lecturer,
Department of Chemistry,
University of Ruhuna, Matara.
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PUBLICATIONS

An abstract publication at 9th Ruhuna International Science and Technology Conference (RISTCON 2022)

Quadratic nonlinear optical properties of photochromic DTE–containing ruthenium complexes: A DFT Study

EXTRA-CURRICULAR ACTIVITIES

- Secretary of the Chemical Society, University of Ruhuna (2020/2021)
- Demonstration - Invention & Innovation Exhibition at University of Ruhuna (2017)

ACHIVEMENTS

- Participation - SLAAS Inter-University Chemistry Poster Competition, 2020
- Participation - SLAAS Inter-University Chemistry Poster Competition, 2021
- Final round - Inter-University Undergraduate Thesis Competition in Chemistry and Biochemistry, 2021