

DR. RAMAN IBRAHIM NAWAAL BENAZIR BINT

Hello, I am Dr. RAMAN IBRAHIM Nawaal Benazir Bint. I am a science enthusiast. I completed my PhD in Plant Biotechnology from the University of Mauritius. My doctoral research entitled 'Study of some extracts of two Cassia species and a Senna species for their antimicrobial and pestidal properties'. The research involved multidisciplinary approaches such as entomology, microbiology, pharmacognosy, molecular biology and phylogenetics. The aim of my research was to validate the biological attributes of Cassia and Senna species and to identify lead compounds to develop novel antibiotics and pesticides to manage infectious diseases against challenging pathogenic microbes and major pests and plant diseases respectively in Mauritius. I am a dynamic person who believes in discipline and punctuality. I am also a fast-learner who is willing to learn new things and share my knowledge.

Work Experience

- January 2026 - Present**
 - Part-time Lecturer**
JSS Academy of Higher Education & Research, Mauritius
Biotechnology · Agriculture · Microbiology
- September 2024 - Present**
 - Assistant Research Scientist**
Food and Agricultural Research and Extension Institute (FAREI)
Field and Laboratory Operations · Resource Management · Research Support
- April 2023 - July 2024**
 - Laboratory Technologist**
Prolab Medical LTD
Hematology · Biochemistry · Serology · Immunology · Microbiology
- April 2022 - April 2023**
 - Research Assistant**
University of Mauritius
Soil Chemical Analysis · Data Analysis · Report Writing
- December 2016 - May 2017**
 - Trainee**
Ministry of Agro Industry & Food Security- National Agricultural Products Regulatory Office (NAPRO)
Issue of license of meat and tea. · Inspection of tea and tobacco products.
- May 2014 - July 2014**
 - Trainee**
Ministry of Agro Industry & Food Security- Horticulture Division
Preparation of media for tissue culture. · Plant propagation through tissue culture technique. · Seed Viability Tests.

Education

- January 2017 - April 2023**
 - PhD**
University Of Mauritius
PhD in Plant Biotechnology from University of Mauritius.
- January 2017 - June 2020**
 - MPhil**
University Of Mauritius
Master of Philosophy (MPhil) in Plant Biotechnology from University of Mauritius.
- August 2012 - July 2015**
 - BSc. (Hons)**
University Of Mauritius
BSc. (Hons) Agriscience & Technology (Minor: Agrifood Marketing) with 2nd Class 1st Division with Honours.
- January 2012 - July 2012**
 - Certificate**
DATAMATICS (City & Guilds)
Certificate from DATAMATICS (City & Guilds) for Level 1 Database software, Spreadsheet software and word processing software.
- January 2004 - November 2011**
 - School Certificate & Higher School Certificate**
Loreto College of Rose Hill
Form 1 to Form VI from Loreto College of Rose Hill.

Personal

Name: Nawaal Benazir Bint Raman Ibrahim
Status: Married
D.O.B: 10 January 1992
Sex: Female
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Skills

Time Management
Critical thinking
Team Work
Effective communication
Problem Solving
Statistical tools (Minitab, SPSS, Excel, MEGA)
& Much more...

Language

English
French
German
Creole

Hobbies

Hiking
Traveling and discovering
Planting ornamental crops
Reading scientific articles
Searching for new development
Research about new Tech pros and cons

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Address

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Workshop / Seminars Attended

- 19 October - 23 October 2020  **Potential insecticidal activity of Senna siamea and Cassia fistula against Bactrocera dorsalis**
Oral presentation entitled 'Potential insecticidal activity of Senna siamea and Cassia fistula against Bactrocera dorsalis', a polyphagous insect pest at the University of Mauritius research week 2020.
- 7 October - 11 October 2019  **Wide integrated fruit fly management including Sterile Insect & Male Annihilation Technique**
Regional training course on area-wide integrated fruit fly management including Sterile Insect Technique (SIT) and Male Annihilation Technique (MAT) organized by the International Atomic Energy Agency (IAEA) in cooperation with the Government of Mauritius through the Entomology Division, Agricultural Services, Ministry of Agro-Industry and Food Security.
- 9 September - 10 October 2019  **H3ABioNet 16S rRNA Microbiome Intermediate Bioinformatics**
H3ABioNet 16S rRNA Microbiome Intermediate Bioinformatics Training course.
- 2 April - 5 April 2019  **Screening of plants from Fabaceae family for their bioactive potential**
Oral presentation of Screening of plants from Fabaceae family for their bioactive potential at the National Research week in the higher education sector 2019 organized by the Tertiary education commission.
- 5 November - 6 November 2018  **Principles of Phytomedicine: Ethomedicine, Science and Product Formulation**
Workshop on 'Principles of Phytomedicine: Ethomedicine, Science and Product Formulation' organized by the University of Pretoria and University of Mauritius.
- 8 May - 11 May 2018  **In-vitro antibacterial potency of the leaves of Cassia fistula and Senna siamea from Mauritius Island**
Presentation of poster entitled 'Study of the in-vitro antibacterial potency of the leaves of Cassia fistula and Senna siamea from Mauritius Island' at the National Research week in the higher education sector 2018 organized by the Tertiary education commission.
- 12 February - 15 February 2018  **Introduction to Bioinformatics and Metagenomics**
Workshop on 'Introduction to Bioinformatics and Metagenomics' at the University of Mauritius.

Scientific Research & Interest

-  Plant natural products chemistry and drug discovery in the area of pharmaceutical.
-  Investigating novel plant natural products with antibacterial and antifungal properties.
-  Determining the role of plant natural products & their mode of actions against insects' pests & phytopathogens for crop protection.
-  Plant natural product research and its relevance to sustainable agriculture.
-  Molecular Biology.

Publications

-  First Report of Cladosporium tenuissimum causing leaf spots on Solanum lycopersicum in Mauritius. (DOI: 10.1007/s42360-023-00615-y)
-  Cassia species: a potential source of bio-pesticides (DOI: 10.1007/s41348-020-00408-9)
-  Chemical profiling and biological activity of Cassia abbreviata Oliv (DOI: 10.1016/j.sajb.2021.11.004)