

# DLS MPhil/PhD students' research

Quarterly Digest #4: January 2023

## What's new?

See below for the latest publications, conference participations, awards and other achievements in the period October – December 2022.

01

### Renoir Auguste, PhD Environmental Biology



- ❖ The workshop was geared towards PhD and Post Doc students studying amphibian conservation. It comprised an interdisciplinary approach, with lectures, laboratory and field techniques, as well as devising a proposal for a research project and giving an oral presentation for it. **Renoir's group won the best presentation as voted by their peers.**

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02

## Omar Ali, PhD Microbiology

- ❖ **Ali Omar**, Adesh Ramsubhag and Jayaraj Jayaraman (2022) Transcriptome-wide modulation by *Sargassum vulgare* and *Acanthophora spicifera* extracts results in a prime triggered plant signalling cascade in tomato and sweet pepper. *AoB PLANTS*, 1–18. <https://doi.org/10.1093/aobpla/plac046>
- ❖ **Ali Omar**, Adesh Ramsubhag and Jayaraj Jayaraman (2022) Application of extracts from Caribbean seaweeds improves plant growth and yields and increases disease resistance in tomato and sweet pepper plants. *Phytoparasitica*. <https://doi.org/10.1007/s12600-022-01035-w>

03

## Sarah Mathura, PhD Biochemistry

- ❖ **Recipient of the Best Poster Presentation Prize**, announced in October 2022  
“Identification and Expression Analysis of Sweet Potato Auxin Signaling Genes Involved in Root Tuber Initiation”  
Frontiers of Research in Caribbean Science and Technology Conference (FORECAST 2022) in Jamaica, held in the period 10-12 August 2022.



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