

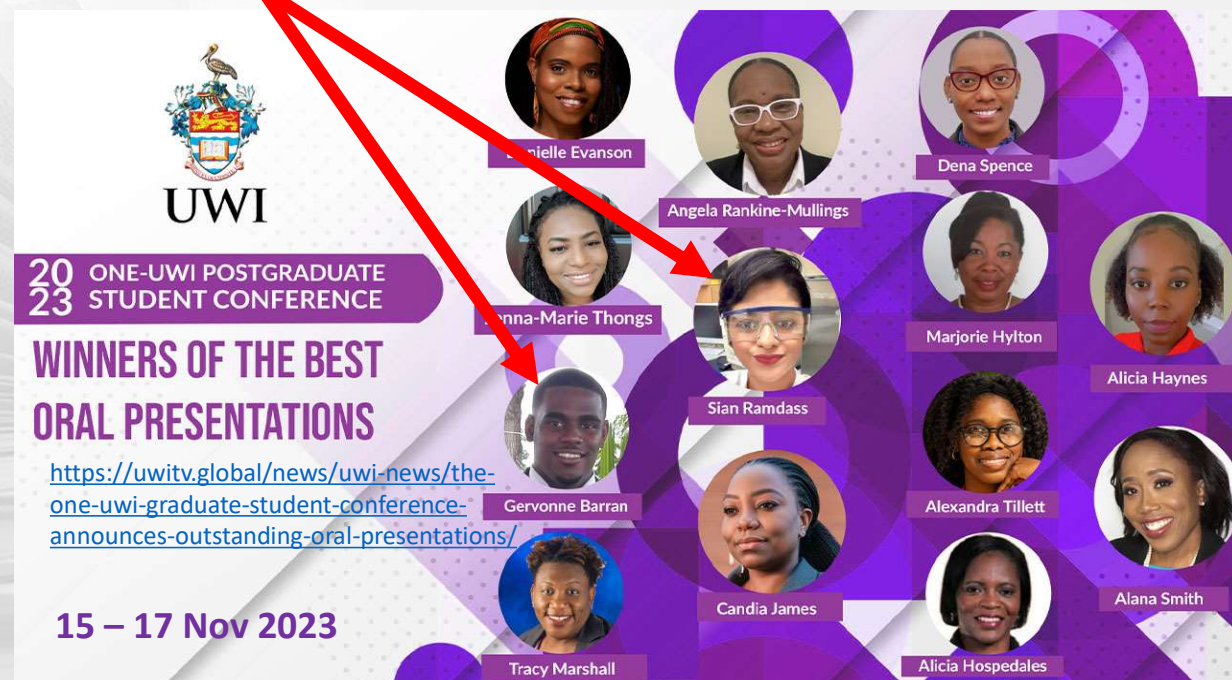
DLS MPhil/PhD students' research


Quarterly Digest #4: January 2024

What's new?

See below for the latest publications, conference participations, awards and other achievements in the period October - December 2023.

Congratulations to our Biochemistry PG students Sian & Gervonne!



 UWI

**20 ONE-UWI POSTGRADUATE
23 STUDENT CONFERENCE**

**WINNERS OF THE BEST
ORAL PRESENTATIONS**

<https://uwivt.global/news/uwi-news/the-one-uwi-graduate-student-conference-announces-outstanding-oral-presentations/>

15 – 17 Nov 2023

Portrait names: Danielle Evanson, Angela Rankine-Mullings, Dena Spence, Anna-Marie Thongs, Marjorie Hylton, Alicia Haynes, Sian Ramdass, Gervonne Barran, Alexandra Tillet, Alana Smith, Tracy Marshall, Candia James, Alicia Hospedales.



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01

Sian Ramdass, PhD Biochemistry

- ❖ **Ramdass, S.** and Mechkarska, M. Thin Layer Chromatographic Profiling and Antioxidant Activity of Extracts from a Muscadine Grape Skin Commercial Preparation. 4th Commonwealth Chemistry Virtual Posters, 4 - 5 Oct 2023.
- ❖ **Ramdass, S.** and Mechkarska, M. Phytochemical Analysis and Antioxidant Activity of Extracts from a Muscadine Grape Skin Commercial Preparation. XXXI National Scientific Congress of The University of Panama, 12th Oct 2023, Virtual Oral Presentation.
- ❖ **Ramdass, S.** Unlocking nature's pharmacy: plant-based treatments for prostate cancer. Inaugural One-UWI Postgraduate Student Conference, 15 - 17 Nov, 2023. **Best Oral Presentation** in the session: "Nature as a Solution for Sustainable Development."

02

Gervonne Barran, MPhil Biochemistry

- ❖ **Barran, G.** Nature-inspired therapeutic agents: antimicrobial peptides from frog skin secretions. Inaugural One-UWI Postgraduate Student Conference, 15 - 17 Nov, 2023. **Best Oral Presentation** in the session: "Achieving Good Health for All."

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On her way out of DLS, currently under examination for the award of a PhD

Sarah Mathura, PhD Biochemistry

- ❖ **Mathura, S.R.**, Sutton, F. and Bowrin, V. Genome-wide identification, characterization, and expression analysis of the sweet potato (*Ipomoea batatas* [L.] Lam.) *ARF*, *Aux/IAA*, *GH3*, and *SAUR* gene families. *BMC Plant Biol* 23, 622 (2023). <https://doi.org/10.1186/s12870-023-04598-w>
- ❖ Presented a poster at the Caribbean Academy for Sciences (CAS) 23rd Biennial Conference in November 2023
Mathura, S.R., F. Sutton, and Bowrin, V. Weighted Gene Co-expression Network Analysis (WGCNA) Identifies Key Hub Genes Involved in Sweet Potato Storage Organ Initiation. Abstract on p.8: <https://sites.google.com/view/caribbeanacademyofsciencestt/programme/conference-proceedings>

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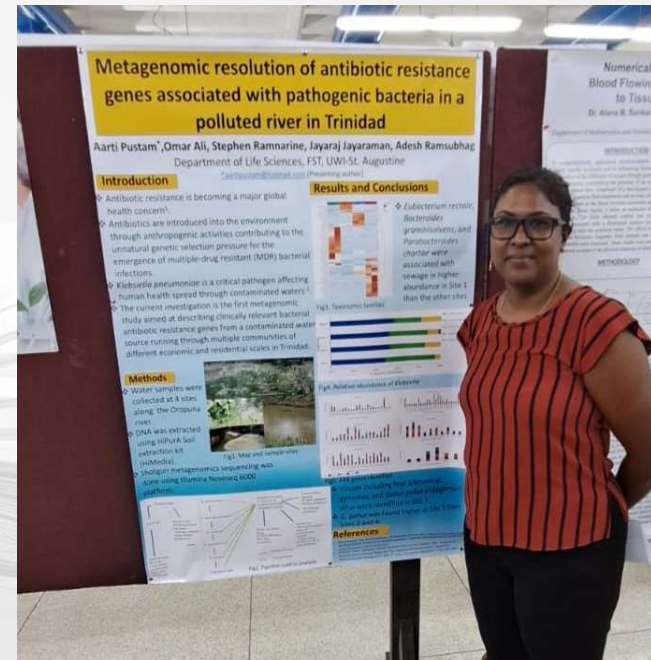
Quarterly Digest #4: January 2024



On her way out of DLS, awarded the title:
PhD in Microbiology

Aarti Pustam

- ❖ Presented a poster at The UWI Research Festival in November 2023



DLS MPhil/PhD students' research

Quarterly Digest #4: January 2024



On his way out of DLS, awarded the title: PhD in Microbiology

Omar Ali

- ❖ Ali, O., Farrell, A.D., Ramsubhag, A., Jayaraman J. Beneficial effects of an *Ascophyllum nodosum* extract on tomato (*Solanum lycopersicum* L.) during water stress. *J Appl Phycol* (2023). <https://doi.org/10.1007/s10811-023-03156-z>

Congratulations, Omar!

- ❖ Presented at the 23rd Caribbean Academy Of Sciences Biennial Conference in November 2023

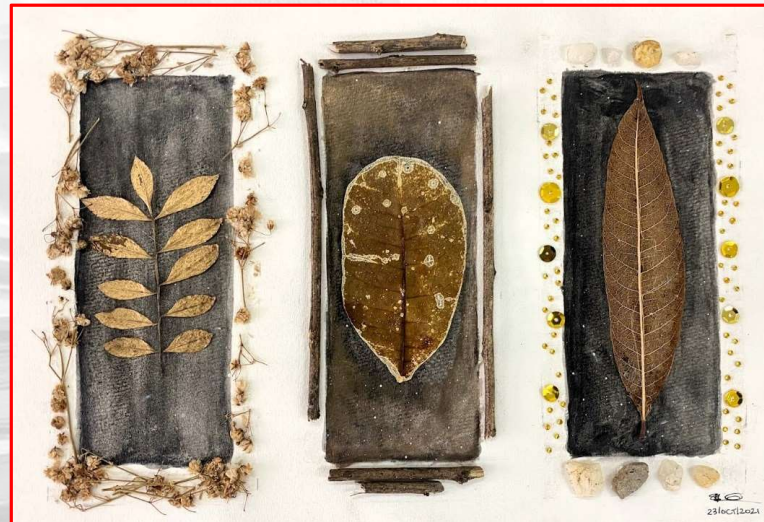


Congratulations

DLS PG student is the runner-up in The UWI 75th Anniversary Staff Art Competition

Sian Ramdass, PhD Biochemistry

Name of piece: The Nature Connection
Category of work: Mixed media - natural materials and water colour



Description:

This mixed media piece embellishes upon the raw elemental forms of Nature.

Water, Earth, Fire, and Air are represented here, through the use of specific materials and their methods of preparation.

Humanity can be paralleled to all aspects of Nature. She is deeply woven into our collective experience. The differently shaped leaves, flowers, twigs and stones show that we must embrace our unique nature as absolute beauty.

The leaf skeleton is a reminder to bare our souls to the World, free and boundless, expressed in its highest form.





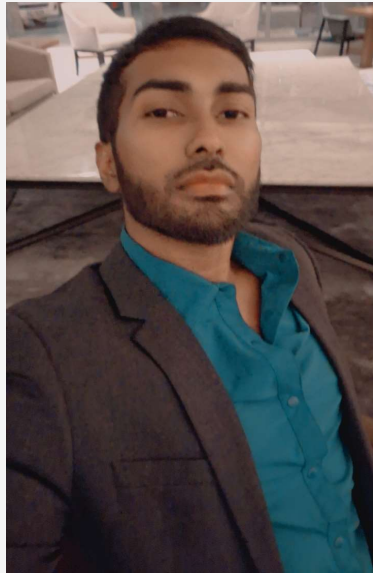
DLS PhD Oral examinations

Quarterly Digest #4: January 2024

Congratulations!



Dr. Andrew Dhanoo
PhD Biochemistry
10 October 2023



Dr. Omar Ali
PhD Microbiology
20 October 2023



Dr. Gem Thomas – Barry
PhD Plant Science
9 November 2023



Dr. SueMin Nathaniel
PhD Microbiology
28 November 2023



Dr. Aarti Pustam
PhD Microbiology
12 December 2023