

The Department of Life Sciences in collaboration with Departments of Physics and Computing and Information Technology presents their **6th Annual Research Symposium** themed **Sustainable Development**.

The two-day symposium takes place from **April 7 to 8** and runs from **8am to 3pm**.

Oral and Video Presentations take place at the Chemistry Building, Room C1.

Poster Viewing: Life Sciences, Ground Floor, Faculty of Science and Technology Building.

The programme is as follows:

DAY 1: Sessions 1, 2 and 3

8AM – Opening Remarks, Health and Safety BriefingDr. Azad Mohammed

8.10AM – Welcome Address Head of Department of Life Sciences, Dr. Adesh Ramsubhag

Session 1 Chair: Mr. Rakesh Bhukal

Department of Life Sciences, M.Sc. Biodiversity, Conservation and Sustainable Development in Caribbean Oral Presentation.

8.30AM – *Presentation 1: An Assessment of the Oilbird Population at the Dunston Cave in Trinidad* | Keshan Mahabir.

8.45AM – *Presentation 2: An Assessment of the Marine Resources at Macqueripe Bay* | Marianna Rampaul

9AM – *Presentation 3: Diversity and Species Composition of Amphibians of the Aripo Savannas Scientific Reserve, Trinidad* | Renoir J. Auguste

9.15AM – *Presentation 4- Terrestrial Mammal Communities and Activity Patterns of the Arima Valley* | Richard Sorrillo

9.30AM – *Presentation 5: Altitudinal Variation in Butterfly Community Assemblage in the Arima Valley* | Shahada Paltoo

9.45AM – *Presentation 6: An Assessment of the Enrichment Effects of Oil Seep Fluids on Fauna in the Gulf of Paria* | Terrance Greig

10AM – *Presentation 7: Niche Separation of Scorpions in Low Land Ever Green Forest* | Rakesh Bhukal

10:15 AM to 10: 45 AM- BREAK: Poster Viewing and Judging- Life Sciences, Ground Floor, FST Building (Refreshments Provided)

Session 2 Chair: Ms. Delezia Singh

Department of Life Sciences, Under Graduate Oral Presentation

10.45AM – *Presentation 8: Evaluation of Microbes from Natural Petroleum seepages for Biosurfactant activity* | Carlos Rampersad

11AM – Presentation 9: Isolation of Potent Antibiotics from Bacteria Obtained In the Nariva Swamp-
Isabella Salazar

11.15AM – Presentation 10: Repellent, fumigant and contact toxicity of three essential oils against
Callosobruchus maculatus | Lana Dayaram

11.30AM – Presentation 11: Prevalence of Intestinal Parasites (Helminths) in local domesticated ducks
of Trinidad. | Brandon R. Mohammed

11.45AM – Presentation 12: The Diversity and Abundance of Phasmatodea in a Range Of Neo-Tropical
Habitats in Trinidad and Tobago | Avion Phillips

12PM to 12.45PM LUNCH

12.45PM to 1.30PM Poster Viewing and Judging- Life Sciences, Ground Floor, FST Building

Session 3 Chair: Mr. Mike Rutherford

Department of Life Sciences, Video Presentation

1.30PM – Presentation 13: Our Earth is “Tyred” | Kysean Phillip, Mariah Bayn, Nicholyn Bassan,
Samantha Elliot and Kwesi Fournillier.

1.45PM – Presentation 14: Sustainability of the Fishery Sector in Trinidad and Tobago | Raajeshwaree
Deolal, Amelia Fuentes, Philicia Martin, Jeremy Ramdass, Aaron Seemungal and Rishi Singh

2PM – Presentation 15: The effects of family pressure on students tertiary decisions at The University of
The West Indies | Aarti Pustam, Denny Singh, Omar Ali, Stephen Ramnarine.

2.15PM – Presentation 16: Don’t Blush Baby, Tar Pits and its hidden treasures | Renee Ali, Akilah
Stewart, Vishal Rangersammy, Anand Hanuman and Adesh Ramsubhag

2.30PM – Presentation 17: Scorpions: Stalkers of the night or just misunderstood, ‘Ah Scorpion Sting
meh, I feelin I go dead...’ | Rakesh Bhukal, Kerresha Khan, Ryan S. Mohammed

3PM – END OF DAY 1

DAY 2: Sessions 4, 5, 6 and 7

Oral and Video Presentation Venue: Chemistry Building, Room C1

Poster Viewing: Life Sciences, Ground Floor, Faculty of Science and Technology Building

8AM – Opening Remarks, Health and Safety Briefing Prof. Dave Chadee

8.15AM – Remarks from the FST Dean’s Office Prof. Indar Ramnarine

Session 4 Chair: Ms. Kerresha Khan

Department of Life Sciences, MPhil and PhD Oral Presentations

8.30AM – *Presentation 18*: Knowledge, Attitudes and Practices of Communities to Flood Prevention in North and South Trinidad | Denny Singh.

8.45AM – *Presentation 19*: Diversity and Activity Patterns of Mammals at Springhill Estate, Arima Valley, Trinidad | Mike G. Rutherford.

9AM – *Presentation 20*: Integrated Disease Management of Cowpea (*Vigna unguiculata L. Walp*) in Trinidad | Sophia DeAspa

9:15 AM – *Presentation 21*: Nitrogen Fixing Variability and its association with morpho- physiological traits in vegetable pigeon pea (*Cajanus cajan* (L.) Mill sp.) bred for year – round production | Albertha Joseph-Alexander

9.30AM – *Presentation 22*: Understanding the Genetic Origin and Diversity of Cocoa in Uganda | David Gopaulchan.

9.45AM to 10AM- BREAK Poster Viewing - Life Sciences, Ground Floor, FST Building (Coffee, Tea Juice, Water Provided)

Session 5 Chair: Mrs. Diana Ragbir

Department of Computer Sciences and Information Technology, MPhil and PhD Oral Presentations

10AM – *Presentation 23*: Application for the Detection of Dangerous Driving and an Associated Gamification Framework | Keshav Bahadoor

10.15 AM – *Presentation 24*: Energy Aware Ad Hoc On-Demand Multipath Distance Vector Routing | Koffka Khan.

10.15 AM to 10.45AM- BREAK Poster Viewing - Life Sciences, Ground Floor, FST Building (Refreshments Provided)

Session 6 Chair: Ms. Xsitaaz Chadee

Department of Physics, MPhil and PhD Oral Presentations

10.45AM – *Presentation 25*: Hydropower Potential at Hollis Reservoir | Asif Mohammed

11AM – *Presentation 26*: Steady As She Goes: Investigating Heart Rate Variability Non- Invasively In Diabetics in Trinidad Using Dynamic Time Domain Correlation Analysis | Michelle Amoroso

11.15AM – *Presentation 27*: Striking A Balance With The Lionfish: Habitat Suitability Modeling and Social Awareness Measures In the Southern Caribbean | Shaazia Salina Mohammed

11.30AM to 12.30PM- LUNCH

Session 7 Chair: Dr. Rajini Haraksingh

Department of Life Sciences

12.30 to 2PM – New Lecturers Introductory Lecture Series

2PM – Remarks from Head of Department, Physics

2.05PM – Remarks from Head of Department- Computing and Information Technology

2.10PM – Remarks from Department of Life Sciences | Dr. Luke Rostant

2.30PM – Comments from the Judges

2.45PM – Presentation of Prizes

3PM – Vote of Thanks: Mr. Ryan S. Mohammed (Research Symposium Committee Chair)

3.05PM – Closing Remarks: Prof. Dave Chadee, Department of Life Sciences

3.15PM – **6th Annual Research Symposium Ends**