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 Briefing …………………Dr. Azad Mohammed

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

**Session 1 Chair: Mr. Rakesh Bhukal**


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, Akiyah 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

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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


9.45AM 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