



PRINCIPAL'S RESEARCH AWARDS CONFERENCE 2024

Friday 15th November 2024 | 9 a.m. – 5 p.m.

TEACHING AND LEARNING COMPLEX, THE UNIVERSITY OF THE WEST INDIES, ST AUGUSTINE

P R O G R A M M E

8.30 – 9.00 Registration

9.00 - 9.10 Welcome

Session 1

Climate Resilience, Microbial Innovations and Economic Development for Sustainability

Chair: Prof Rohanie Maharaj | Co-Chair: Dr Timothy Affonso

- 9.10 – 9.30 **1a. Microbiological Research for Regional Sustainability**
Professor Adesh Ramsubhag, Department of Life Sciences, Faculty of Science and Technology
- 9.30 – 9.50 **1b. Managing the Resource Curse in a Small Petroleum- Exporting Economy**
Professor Roger Hosein, Department of Economics, Faculty of Social Sciences
- 9.50 – 10.10 **1c. Sustainable Futures: Building Resilient Communities through Health, Infrastructure and Clean Energy**
Dr Ricardo Clarke & Dr Xsitaz Chadee, Department of Physics, Faculty of Science and Technology
- 10.10 – 10.30 **1d. Connecting Climate Minds: A shared vision for the climate change and mental health field**
Emma L Lawrance, Jessica Newberry Le Vay, Sandeep B Maharaj, Natalie Greaves, Gillian Bristol, Connecting Climate Minds Core Team.
School of Pharmacy, Faculty of Medical Sciences
- 10.30 - 10.50 **1e. Bridging the Climate Finance Gap: Challenges and Opportunities for Caribbean SIDS**
Dr Preeya Mohan, Senior Fellow, Sir Arthur Lewis Institute of Social and Economic Studies
- 10.50 – 11.00 Session Summary
- 11.00 – 11.15 Session Break

Session 2

Multidimensional Research in Building Resilience to Natural Disasters in SIDS

Chair: Prof Bheshem Ramlal | Co-Chair: Dr Sharon Hutchinson

- 11.15 – 11.35 **2a. Advancing Resilience and Sustainable Development in the Eastern Caribbean through Geohazards Monitoring and Community Preparedness**
Dr Erouscilla Joseph, Director, Seismic Research Centre
- 11.35 – 11.55 **2b. Advancing Disaster Resilience and Sustainable Resource Management in Caribbean SIDS: A Multidisciplinary Approach**
Dr Ronald Roopnarine, Senior Lecturer, Department of Food Production, Faculty of Food & Agriculture
- 11.55 – 12.15 **2c Regional coordination for disaster preparedness and mitigation activities to relieve animal suffering and safeguard the agricultural and livestock sector**
Dr Karla Georges & Team, Director, School of Veterinary Medicine, Faculty of Medical Sciences
- 12.15 – 12.20 Session Summary
- 12.20 – 1.00 Lunch Break

Session 3 [Poster Session]

Multi-Disciplinary Research Towards Science and Societal Advancement: Insights from Diverse Disciplines

- 1.00 – 2.00 **3a. Climate Change and Sustainable Development**
Professor Michelle Mycoo, Department of Geomatics Engineering and Land Management, Faculty of Engineering
- 3b. Evaluation of Geomechanical and Reservoir Properties of the Naparima Hill Formation: Implications for Unconventional Exploitation**
Dr Oshaine Blake, Uwaila Iyare, Ryan Ramsook, Daniel Faulkner, and Kerneese Ramjarrie, Department of Chemical Engineering, Faculty of Engineering
- 3c. In Search of Evidence and Theory for Education Reform in the Anglophone Caribbean**
Professor Jerome De Lisle, School of Education, Faculty of Humanities and Education
- 3d. De-Colonising Copyright Law**
Dr Justin Koo, Senior Lecturer, Faculty of Law

3e. Preventing both Communicable and Non-Communicable Diseases in Trinidad and Tobago: Implications for Policy Change

Dr Shastri Motilal, Senior Lecturer, Department of Para-clinical Sciences, Faculty of Medical Sciences

3f. Copper Chalcogenide Nanostructures and Microstructures: Cost-effective and Environmentally-benign Functional and Sustainable Materials for Solar Energy Applications

Dr Richard Taylor, Senior Lecturer, Department of Chemistry, Faculty of Science and Technology

3g. Dysfunctional Employee Retention in the Workplace and the Associated Destructive Organisational Behaviours: The roles of Abusive Supervision, Procedural Injustice and Psychological Contract Breach

Dr Riann Singh, Senior Lecturer, Department of Management Studies, Faculty of Social Sciences

3h. Answering the Call for the Development of a Caribbean Criminology in the 21st Century

Dr Wendell Wallace, Senior Lecturer, Department of Behavioural Sciences, Faculty of Social Sciences

3i. Biochemical and Genomic Features of Hydrocarbonoclastic Microbes in Trinidad

Dr Amanda Ramdass & Dr Sefhra Rampersad, Department of Life Sciences, Faculty of Science and Technology

3j. Faculty, Institute & Centre Research Highlights

Session 4

Process Map for the Development of the UWI St Augustine (STA) Research Agenda

Facilitators

Prof Donald Simeon & Ms Shelly-Ann Hunte, Caribbean Centre for Health Systems Research Development

Dr. Anthony Adeyanju, Deputy Dean (GS&R) Faculty of Engineering
Dr. Marquitta Webb, Deputy Dean (GS&R), Faculty of Food and Agriculture
Dr. Freddy James, Deputy Dean (GS&R), Faculty of Humanities and Education
Mr. John Jeremie, Deputy Dean (GS&R) Faculty of Law
Prof. Dilip Dan, Deputy Dean (GS&R), Faculty of Medical Sciences
Dr. Ricardo Clarke, Deputy Dean (GS&R), Faculty of Science and Technology
Dr Riann Singh, Deputy Dean (GS&R), Faculty of Social Sciences

2.00 to 3.30 pm

Session 5

Research Insights for Community Solutions

Chair: Prof Rahul Naidu | Co-Chair: Dr Alyssa Ali

3.30 – 3.50 **5a. Research Impact of the Department of Basic Veterinary Sciences, School of Veterinary Medicine**
Prof Christopher Oura, Professor of Veterinary Virology, Faculty of Medical Sciences

3.50 - 4.10 **5b. WISH Upon a Star: Astronomy for the underserved communities**
Professor Shirin Haque, Department of Physics, Faculty of Science and Technology

4.10 – 4.30 **5c. Developing a Novel Machine Learning Algorithm to Forecast the Earthquake Using Parallel Processing**
Mr Manoj Kollam, PhD Scholar, Department of Electrical and Computer Engineering, Faculty of Engineering

4.30 – 4.50 **5d. Film Form and Choreography Inside the Indian Classical and Folk Dance in Relation to Observation Documentary**
Mr Andreas Antonopoulos & Ms Deboleena Paul, Faculty of Humanities and Education

4.50 – 5.00 Summary & Closing