

THE PRINCIPAL'S RESEARCH AWARDS 2018

Faculty of Humanities and Education

The Best Research Publication

Dr Michael Bucknor

Department of Modern Languages and Literatures

Article: [“Canada in Black Transnational Studies: Austin Clarke, Affective Affiliations and the Cross-Border Poetics of Caribbean Canadian Writing”](#)

Dr Saran Stewart

School of Education

Article: [“The Perceived Effects of Extra Lessons of Student Academic Achievement: A Qualitative Approach to Understanding Private/Public Supplementary Tutoring in Jamaica”](#)

Dr Zoyah Kinkead-Clark (and collaborator)

School of Education

Article: [“Using Cross-Cultural Conversations to Contextualize Understanding of Play: A Multi-National Study”](#)

Dr Yewande Lewis-Fokum (and collaborator)

School of Education

Article: [“Tracing the Discourses of Accountability and Equity: The Case of the Grade 4 Literacy Text in Jamaica”](#)

Most Outstanding Research Activity

Dr Saran Stewart

School of Education

Articles: [The Perceived Effects of Extra Lessons of Student Academic Achievements: A Qualitative Approach to Understand Private/Public Supplementary Tutoring in Jamaica](#) | [“Three Paths, One Strategy: Black Women and Girls Battling Invisibility in US Classrooms”](#) | [“Enhancing Classroom Learning Environments for Students of Colour: Curricular and Pedagogical](#)

Dr Sasekea Harris

Department of Library and Information Studies

Articles: [“SWOT Analysis of Jamaican Academic Libraries in Higher Education”](#) | [“2016 Top Trends and Issues in Jamaican Academic Libraries”](#) | [“Undergraduates’ Assessment of Science, Technology, Engineering and Mathematics \(STEM\) Information Literacy Instruction \(ILI\)”](#) | [“Trends and](#)

Issues in Jamaican Academic Libraries 2010-2016” | “Distinctive Services in Academic Libraries”

Faculty of Law

The Best Research Publication

Ms Tracy Robinson

Article: “Constitutional Comparisons by a Supranational Court in Flux: The Privy Council and Caribbean Bills of Rights”

Faculty of Medical Sciences

The Best Research Publication

Dr Simone Badal

Dr Rupika Delgoda

Dr Helen Jacobs (and collaborators)

Department of Basic Medical Sciences | Natural Products Institute |

Department of Chemistry

Article: “Glaucarubulone Glucoside from *Castela Macrophylla* Suppresses MCF7 Breast Cancer Cell Growth and Attenuates Benzo[a] Pyrene-Mediated CYP1A Gene Induction”

Professor Paul Brown (and collaborator)

Department of Basic Medical Sciences

Article: “Temperature and Oxidative Stress as Triggers for Virulence Gene Expression in Pathogenic *Leptospira* spp”

Dr Debbie Thompson

Professor Michael Boyne

Dr Novie Younger-Coleman

Dr Parris Lyew-Ayee Jr

Mrs Lisa-Gaye Greene

Professor Terrence Forrester

Caribbean Institute for Health Research (CaIHR)| Mona Geo-Informatics Institute | UWI Solutions for Developing Countries

Article: “Socioeconomic Factors Associated with Severe Acute Malnutrition Jamaica”

The Most Outstanding Researcher/Research Activity

Dr Lowell Dilworth

Department of Pathology

Articles: “The Effect of Combined Inositol Hexakisphosphate and Inositol Supplement in Streptozotocin-induced Type 2 Diabetic Rats” | “Effect of Combined Inositol Hexakisphosphate and Inositol Supplement on Antioxidant Activity and Metabolic Enzymes in Liver of Streptozotocin-induced Type 2 Diabetic Rats” | “Plasma Cocaine Metabolite and Liver CYP450 3A4 isoenzyme Levels as Indicators of Cocaine Dependence in Rats Treated with Nutritional Supplements” | “Chemical Composition of Urinary Tract Calculi Assessed by a Basic method” | “A Review of the Leptin Hormone and the Association with Obesity and Diabetes Mellitus” | “Association of Serum Lactate Dehydrogenase, Creatinine Kinase and Adiposity with Basal lactate Concentration in Male and Female Jamaican Athletes” | “The Metabolic Hormone Leptin, Adiponectin and Troponin T in Type 2 Diabetes Patients and Athletes in Jamaica”

Book Chapter: “Plant Constituents: Carbohydrates, Oil Resins, Balsams and Plant Hormones”

Professor Roger Gibson

Department of Community Health and Psychiatry

Articles: “Antenatal Depressive Symptoms in Jamaica Associated with Limited Partner and other Social Support” | Dementia among Older Persons in Jamaica: Prevalence and Policy Implications | Alcohol Use, Depression, and Life Satisfaction among Older Persons in Jamaica” | “Gender and Suicidal Behaviour among Adolescents who use Alcohol” | “Compliance with Dance Video Gaming: Facilitating and Inhibiting Factors among Jamaican University Students” | “Psychopharmacological Options on the Management of Lupus cerebritis: A Case Report” | “The Jamaican Secondary School Survey: Parental Influences Associated with Adolescent Alcohol use”

Book Chapters: “Suicidal Behaviour, Adolescent and Alcohol” | “Parents, Alcohol and Adolescents”

Professor Jean-Pierre Louboutin

Department of Basic Medical Sciences

Articles: “Neuroinflammatory Targets and Treatments for Epilepsy Validated in Experimental Models.” | “Delivery of an Adeno-associated Virus Vector into Cerebrospinal Fluid Attenuates Central Nervous System Disease in Mucopolysaccharidosis Type II Mice.” | “Neonatal Tolerance Induction Enables Accurate Evolution of Gene Therapy for MPS I in a Canine Model”. | “Migration of Bone Marrow Progenitor Cells in Adult Brain Rats and Rabbits”

Book Chapters: “Gene Delivery of Antioxidant Enzymes in HIV-1 Associated Neurocognitive Disorder” | “Expression of GluR6, a Kainate Receptor, in Human Lymphocytes” | “Assessment of Apoptosis and Neuronal Loss in Animal Models of HIV-1- Associated Neurocognitive Disorder”

The Research Project Attracting the Most Research Funds

Professor Celia Christie
Professor Russell Pierre
Professor John Lindo
Dr Orville Morgan
Dr Joshua Anzinger
Dr Roxanne Melbourne-Chambers

Department of Child & Adolescent Health | Department of Microbiology
Department of Obstetrics & Gynaecology

Project: “ZIKAction: Preparedness, Research and Action Network on Maternal-Paediatric Axis of ZIK V Infection in Latin America and the Caribbean”

Faculty of Science & Technology

The Best Research Publication

Dr Nickeisha Stephenson (and collaborators)

Department of Chemistry

Article: “Synthesis and Preliminary PET Imaging of ¹¹C- and ¹⁸F-isotopologues of the ROS1/ALK Inhibitor Lorlatinib”

Dr Venkateswara Rao Penugonda (and collaborators)

Department of Physics

Article: “Structural Investigations on P₂O₅-CaO-Na₂O-K₂O: SrO Bioactive Glass Ceramics”

Dr Marvadeen Singh-Wilmot

Ms Rochette Sinclair

Professor Ishenkumba Kahwa (and collaborators)

Department of Chemistry and Office of the Deputy Principal

Article: “Eu³⁺ Substitutional Defects and their Effect on the Luminescence Spectral and Decay Dynamics of Sal-type one Dimensional Rare Earth Coordination Polymers and Trinuclear Complexes”

The Most Outstanding Researcher/Research Activity

Professor Mitko Voutchkov

Department of Physics

Articles: "TXRF as a Fast Multielemental Technique for Human Placenta Sample Analysis., Spectrochimica Acta Part B: Atomic Spectroscopy" | "Impacts of Maternal Fish Consumption and Natural Environment on Placental Mercury Levels in Jamaica" | "Radiation Dose Distribution for Patients Undergoing Routine Radiological Scans for Kidney Stone Diagnosis at the University Hospital of the West Indies" | "Assessment of Fish Consumption and Mercury Exposure Among Pregnant Women in Jamaica and Trinidad & Tobago" | "Applying

Radiation Safety Standards in Diagnostic Radiology in Jamaica” | “An Overview of Cardiac Pacing in Jamaica. Part I: Indications, Modes and Arrhythmia Prevalence, I An Overview of Cardiac Pacing in Jamaica. Part II: Indications, Modes and Arrhythmia Prevalence”

Climate Studies Group Mona

Department of Physics

Project: [The State of the Jamaican Climate 2015 Project](#)

Dr Rupika Delgoda

Natural Products Institute

Edited Book: [“Pharmacognosy”](#)

Book Chapters: [“Evolutionary Perspective on the Role of Plant Secondary Metabolites | “Proteins” | “Pharmacokinetics” | “Novel Targets in Drug Discovery”](#) **Journal Articles:** [“Rubus rosifolius Varieties as Antioxidant and Potential Chemopreventive Agents” | “Reliance on Medicinal Plant Therapy among Cancer Patients in Jamaica” | “Insecticide Resistance to Permethrin and Malathion and Associates Mechanisms in Aedes Aegypti Mosquitoes from St. Andrew Jamaica” | “Two New Oxodolastane Diterpenes from the Jamaican Macroalga Canistrocarpus cervicornis, Marine Drugs” | “Aqueous Extract from Leaf of Artocarpus Altilis Provides Cardio-Protection from Isoproterenol Induced Myocardial Damage in Rats: Negative Chronotropic and Inotropic Effects, Journal of Ethnopharmacology” | “Glaucarubulone Glucoside from Castela Macrophylla Suppresses MCF-7 Breast Cancer Cell Growth and Attenuates Benzo\[a\] Pyrene-Mediated CYP1A Gene Induction”](#)

Research Project Attracting the Most Research Funds

Professor Simon Mitchell

Mr Paul Williams

Department of Geography and Geology

Project: [Upgrade of Earthquake Unit Infrastructure for Research - Funding from World Bank of J\\$104,000,000 administered by Jamaica Social Investment Fund](#)

The Research Project with the Greatest Business | Economic Development Impact

Dr Sheena Francis

Dr Rupika Delgoda

Natural Products Institute

Project: [Insecticide Residence Surveillance in Jamaica](#)

Faculty of Social Sciences

The Best Research Publication

Dr Tracy-Ann Johnson-Myers

Department of Government

Book: “The Mixed Member Proportional System: Providing Greater Representation for Women?”

Dr Lisa Vasciannie

Department of Government

Article: “International Election Observation in Guyana 1964-2001”

Dr Indianna Minto-Coy (and collaborator)

Mona School of Business and Management

Article: “The Role of the Diaspora in the Emergence of Economic Territorial Intelligence in Haiti”

The Most Outstanding Researcher /Research Activity

Dr Andre Haughton (and collaborator)

Department of Economics

Articles: “Exchange Rate Movements, Stock Prices and Volatility in the Caribbean and Latin America” | “Current Account and Real Exchange Rate Dynamics in the Caribbean and Latin America Compared to the G7 Countries”

Book: “Developing Sustainable Balance of Payments in Small Countries: Lessons from Macroeconomic Deadlock in Jamaica”

Report: “Assessing the Economic Impact of the Jamaica Cultural Development Commission's (JCDC) Talent Competition on Jamaica's Economy 2011-2017”

Dr Eris Schoburgh

Department of Government

Articles: “Is Self-help Orientation Sufficient Basis for Local [Economic] Development?” | “Informal Citizenship in Farazmand.” | One Edited Collection “Handbook of Research on Sub-National Governance and Development”

The Most Outstanding Researcher /Research Activity

Dr Maurice McNaughton

Mona School of Business and Management

Research Activity: Going Global - Digital Jobs and Gender in Haiti

The Research Project Attracting the Most Research Funds

Dr Michelle McLeod

Dr Maurice McNaughton

Mona School of Business and Management

Project: [Open Data and Interactive Community Mapping: Empowering Local Community Tourism](#)

Library

The Most Outstanding Researcher /Research Activity

Dr Sasekea Harris

Library – Science and Engineering Branch

Articles: [“SWOT Analysis of Jamaican Academic Libraries in Higher Education”](#) | [“2016 Top Trends and Issues in Jamaican Academic Libraries”](#) | [“Undergraduates’ Assessment of Science, Technology, Engineering and Mathematics \(STEM\) Information Literacy Instruction \(ILI\)”](#) | [“Trends and Issues in Jamaican Academic Libraries 2010-2016”](#) | [“Distinctive Services in Academic Libraries”](#)