

Research Projects Database

| | RESEARCH TOPIC | STUDENT | SUPERVISOR |
|----|--|----------------------|---|
| | | 2014/2015 | |
| 1 | Cryogenic freezing of ackees | Ereca Peart | Prof Subramaniam Sathivel |
| 2 | Microencapsulation of Ginger | Kelly Simon | Prof Subramaniam Sathivel/Dr Andrea Goldson Barnaby |
| 3 | Effect of postharvest calcium chloride and gibberellic acid treatments on shelf life and physicochemical characteristics of white cabbage (<i>Brassica oleracea l. var. capitata</i>) during storage | Dillon Williamson | Prof Noureddine Benkeblia |
| 4 | Biowaste for food fortification | Vanessa Ranger | Dr Andrea Goldson Barnaby |
| 5 | The suspension of aloe vera pulp in aloe vera drink: | Avalon Gilpin | Dr Andrea Goldson Barnaby |
| 6 | Accelerated shelf life testing of a powdered instant cornmeal porridge mix | Monique Jackson | Dr Ian Thompson/Dr Andrea Goldson Barnaby |
| 7 | The possibility of predicting heat stability of skimmed milk powder using routine laboratory methods. | Carol Andrade Gordon | Dr Andrea Goldson Barnaby |
| 8 | Effect of packaging material on the shelf life of minimally processed fruit salads in Jamaica | Shere-Dean Reid | Prof Noureddine Benkeblia |
| | | 2015/2016 | |
| 9 | Evaluation of the functional and nutritive value of three locally distributed brands of yogurt | Janhoi Kelly | Dr Ian Thompson |
| 10 | Evaluating the textural changes in processed canned cheese caused by proteolysis | Tanzena Cunningham | Dr Ian Thompson |
| | | 2016/2017 | |
| 11 | Spectrophotometric determination of hypoglycin a in ackee (<i>Blighia sapida</i>) fruit | Sherone McNeil | Dr Camille Bowen- Forbes/Dr Kerith Golden |
| 12 | Effects of modified atmosphere packaging on microbiological, chemical and sensory qualities of ackee fruit arils (<i>Blighia sapida</i> Koenig) stored under refrigerated regimes | Kaytana Morgan | Prof Noureddine Benkeblia |
| 13 | Management of glycerol waste from biodiesel production | Denise Campbell | Dr Michael Coley |
| 14 | Investigation of possible adulteration of virgin coconut oil with soyabean oil and a comparison of beta-carotene and radical scavenging capacity of ackee, coconut, and soybean oils | Jesse James Clarke | Dr Andrea Goldson Barnaby |
| 15 | Viability of <i>Lactobacillus plantarum</i> ncimb 8826 in fermented apple juice under simulated gastrointestinal conditions | Dellecia Roberts | Prof Subramaniam Sathivel |
| 16 | Isolation and characterization of hypoglycin b from ackee (<i>Blighia sapida</i>) seeds | David Chung | Dr Camille Bowen Forbes/Dr Andrea Goldson Barnaby |
| 17 | Determination of pesticide residue in Jamaican honey using QuEChERS method and GC-MS/LC-MS/MS | Terri Lee Patterson | Dr Raymond Reid |
| 18 | Comparative analysis of the total cyanide content in cassava products: bammy, cassava flour and cassava chips available in Kingston, Jamaica | Samantha Joseph | Dr Dennis Bailey |
| 19 | Biochemical comparison and eating quality of tree ripened and post harvest ripened <i>Mangifera indica</i> (cv. east indian) | Kimberley Blissett | Dr Andrea Goldson Barnaby |
| 20 | Development of powdered milk for toddlers containing the probiotic <i>Lactobacillus plantarum</i> ncimb 8826 immobilized with the prebiotic hi-maizetm starch. | Ronamae Bradford | Prof Subramaniam Sathivel |
| | | 2017/2018 | |
| 21 | Jamaican <i>Cissus sicyoides</i> : Phenylalanine ammonia lyase (PAL) activity of berry extract and the lipid and bioactive characterization of leaves and seeds. | Fiona Downs | Dr Andrea Goldson Barnaby |
| 22 | An investigation into the antioxidant properties and phytochemical composition of <i>Rivinia humilis</i> berries and <i>Cissus sicyoides</i> berries. | Hensleisha Virgo | Dr Andrea Goldson Barnaby |
| 23 | A comparative analysis of the antioxidant activity, IC50 value, total phenolics, protein and lipid content of the seeds of the <i>Albizia julibrissin</i> (Mimosa) | Michael Malcolm | Dr Andrea Goldson Barnaby |

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| 24 | Development of pectin and gelatin matrix containing oral rehydration solution and release of sodium chloride from the matrix under simulated gastric conditions | Tushane Taylor | Prof Subramaniam Sathivel |
| 25 | Phenolic composition and antioxidant activity of <i>Flacourtia indica</i> fruits | Sabrino Palomino | Prof Nourdine Benkeblia |
| 26 | The feasibility of producing biodiesel from waste generated from ackee processing facilities | Elizabeth Fitzgerald | Dr Michael Coley |
| 27 | Assessment of the nutritional & bioactive properties of Jamaican grown <i>Hymenaea courbaril</i> L. | Kimone Campbell | Dr Dennis Bailey |