

**UNIVERSITY OF MAURITIUS  
RESEARCH WEEK 2012**

**FACULTY OF ENGINEERING**

**Monday 01 October 2012**

**UNIVERSITY OF MAURITIUS RESEARCH WEEK 2012**  
**FACULTY OF ENGINEERING**  
**DATE: 1<sup>st</sup> October 2012**

<b>Registration of participants</b>	<b>09.00-09.30</b>
<b>Opening Ceremony</b>	<b>09.30-10.00</b>
<b>Refreshment</b>	<b>10.00-10.30</b>

**THEME/TOPICS: Biometrics, Surveillance Applications and Communication Theory**

**VENUE : ELT2**

**Session Chair: Prof Soyjaudah**

<b>No</b>	<b>NAME OF AUTHOR(S)</b>	<b>TITLE OF ABSTRACT</b>	<b>TIME</b>
1	M Heenaye & N Mamode Khan	<i>Application of Linear Discriminant Analysis to represent Hand Vein Biometric Features</i>	10.30-10.50
2	M Heenaye, B Gobin, N Pavaday & S.Beepat	<i>Assessing the Factors that Affect Image Capture in the Deployment of Hand Biometrics</i>	10.50-11.10
3	N B Boodoo-Jahangeer, S Baichoo & R K Subramanian	<i>The Use of Chain Code for Ear Recognition</i>	11.10-11.30
4	G Ramsawock & K M S Soyjaudah	<i>Variable Rate Orthogonal Convolutional Codes For Mobile Communications Systems</i>	11.30-11.50
5	D Indoonundon, T P Fowdur & K M S Soyjaudah	<i>Enhanced SPIHT Image Transmission using Unequal Error Protection with ARQ and De-noising</i>	11.50-12.10
6	R Annauth	<i>Benchmarking Different Multi-Objective Evolutionary Optimization Algorithms For Resource Allocation In OFDM Systems</i>	12.10-12.30

<b>Lunch</b>	<b>12.00-13.30</b>
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**UNIVERSITY OF MAURITIUS RESEARCH WEEK 2012**  
**FACULTY OF ENGINEERING**  
**DATE: 1<sup>st</sup> October 2012**

**THEME/TOPICS: Energy Engineering/Management**

**VENUE : ELT 1**

**Session Chair: Dr V Seebaluck**

No	NAME OF AUTHOR(S)	TITLE OF ABSTRACT	TIME
1	A Khoodaruth & K Elahee	<i>Exergy Analysis for Cogeneration in Cane Industry in Mauritius</i>	10.30-10.50
2	Z Peer & Y K Ramgolam	<i>Investigating the Influence of Sustainable Retrofits on the Energy Performance of a Residential Building in Mauritius</i>	10.50-11.10
3	A Chineah, V Seebaluck & V Dookhun	<i>LNG Utilisation in the Power Sector in Mauritius</i>	11.10-11.30
4	A Sampat & V Seebaluck	<i>Options for the Use of Clean Coal Technologies</i>	11.30-11.50
5	V Oree & O K Mohit	<i>Analysis of Energy Efficient Retrofit Measures for the Prof Sir Edouard Lim Fat Engineering Tower at the University of Mauritius</i>	11.50-12.10
6	F Meunier, R Mohee & D Sooben	<i>A Comparative Study of the Compressor Energy Consumption of the Frozen Refrigeration Units in two Supermarkets in Mauritius</i>	12.10-12.30

Lunch	12.00-13.30
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**UNIVERSITY OF MAURITIUS RESEARCH WEEK 2012**  
**FACULTY OF ENGINEERING**  
**DATE: 1<sup>st</sup> October 2012**

**THEME/TOPICS: Computing Practices and Applications**

**VENUE : ELT 2**

**Session Chair: Associate Prof Baichoo**

No	NAME OF AUTHOR(S)	TITLE OF ABSTRACT	TIME
1	M N Hulkury & M R Doomun	<i>Architecture for Green Cloud Computing: Client-Oriented Approach</i>	13.30-13.50
2	R Doomun & S Courtenage	<i>Design and Implementation of an Event Notification Service</i>	13.50-14.10
3	V Ramdoo, G Huzooree & O Gukhool	<i>The Study of the Complexity of Software Quality to Promote Sustainable Growth in Business through the Delivery of Quality Software</i>	14.10-14.30
4	A Chiniyah	<i>An Evaluation of the Barriers Towards 3D Collaboration Among Heterogeneous Applications</i>	14.30-14.50
5	R K Sungkur & M Ramasawmy	<i>Knowledge4Scrum, a Novel Knowledge Management Tool for Agile Distributed Teams</i>	14.50-15.10
6	A Galleegadoo, B Rajkumarsingh & S Goolaup	<i>Learning Aids for the Study of RCD Tripping in Electrical Installations</i>	15.10-15.30
7	B A Gobin, A Y Ramsing & M I Peeroo	<i>Use of Management Information System to Social Integration and Community Welfare</i>	15.30-15.40

Refreshment	15.30-16.00
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UNIVERSITY OF MAURITIUS RESEARCH WEEK 2012  
FACULTY OF ENGINEERING  
DATE: 1<sup>st</sup> October 2012

THEME/TOPICS: Intelligent Systems/ Mobile, Social, Context-Aware Computing/ Web Application and Services

VENUE : Room 41

Session Chair: Mr Pavaday

No	NAME OF AUTHOR(S)	TITLE OF ABSTRACT	TIME
1	P K Dassarith & O Gukhool	<i>Mitigation of Traffic Waves on Highways Using a Fuzzy Approach</i>	13.30-13.50
2	S Paddea , R Nepal & V Ramnarain-Seetohul	<i>A Case Study of a Mobile Application Using Bluetooth Technology to Enhance Students and Lecturers Interaction at UOM</i>	13.50-14.10
3	A Chiniah	<i>Automating the Process from E-Commerce to M-Commerce</i>	14.10-14.30
4	A Ramtohul & K M S Soyjaudah	<i>An agile Web Service Composition and Messaging approach for web services</i>	14.30-14.50
5	K Inderjeet, T Jingree & S M R A Elaheebocus	<i>The Automated Social Capital Monitoring and Advisory (ASCMA) Algorithm for Online Social Networks</i>	14.50-15.10
6	J Gopaul	<i>Genex: Real-time Collaborative Integrated Development Environment (IDE) on the Cloud</i>	15.10-15.30
7	S M R A Elaheebocus & D De Roure	<i>Semi-AutoBlogging System: Merging of Context-Awareness With Semantic Web Through Blogs</i>	15.30-15.40
Refreshment			15.30-16.00

**UNIVERSITY OF MAURITIUS RESEARCH WEEK 2012**  
**FACULTY OF ENGINEERING**  
**DATE: 1<sup>st</sup> October 2012**

**THEME/TOPICS: Renewable Energy**

**VENUE : ELT 1**

**Session Chair: Associate Prof Elahee**

No	NAME OF AUTHOR(S)	TITLE OF ABSTRACT	TIME
1	D Surroop, R Mohee, O Gukhool & R Potayah	<i>Energy Forecasting and GHG Emissions Using the Long-Range Energy Alternative Planning Software</i>  <i>Energy Forecast and GHG Emission Using LEAP Software</i>	13.30-13.50
2	A Khoodaruth & R Leelach	<i>An Investigation on the Performance of a Compression Engine when fuelled with Blends of Coconut oil and Diesel for Presentation at the UOM Research Week 2012</i>	13.50-14.10
3	D Surroop & A Khoodaruth	<i>Overview of Biofuels Potential</i>	14.10-14.30
4	S Sewlall, G Somaroo & R Mohee	<i>Assessing the Effect of Greywater on the Anaerobic Digestion of Organic Waste at Household Level</i>	14.30-14.50
5	S Venkannah & A Bhinkah	<i>Using Bio Gas from Poultry Excrements for Heating of Poultry Sheds</i>	14.50-15.10
Refreshment			15.30-16.00

**UNIVERSITY OF MAURITIUS RESEARCH WEEK 2012**  
**FACULTY OF ENGINEERING**  
**DATE: 1<sup>st</sup> October 2012**

**THEME/TOPICS: Structural Engineering/ Water Resources Quality Hydrology**

**VENUE : ELT 3**

**Session Chair: Associate Prof Proag**

No	NAME OF AUTHOR(S)	TITLE OF ABSTRACT	TIME
1	A S Cadarsa & P D Pattoo	<i>The Status of the Demolition Sector in Mauritius</i>	13.30-13.50
2	A S Cadarsa & M P Roussaye	<i>The Use of No Fines Concrete Pavement Structure as an Alternative to Conventional Tarred Pavement Structure for the Purpose of Light Trafficked Parking Area</i>	13.50-14.10
3	A S Cadarsa & M Ramchuriter	<i>Use of Recycled Concrete Aggregates as Substitute to Natural Coarse Aggregate in Structural Concrete</i>	14.10-14.30
4	R Rughooputh & V Proag	<i>A Comparative study of Rainfall Interpolation Techniques</i>	14.30-14.50
5	R Ellayah & M D Nowbuth	<i>Economic analysis of impact of climate change on the water sector</i>	14.50-15.10
6	K Greedharry & M D Nowbuth	<i>Potential of Rainwater Harvesting in Mauritius</i>	15.10-15.30
7	V Ramtohul & M D Nowbuth	<i>Study of the Impact of Climate Change on Irrigation Water Demand</i>	15.30-15.40

Refreshment	15.30-16.00
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**UNIVERSITY OF MAURITIUS RESEARCH WEEK 2012**  
**FACULTY OF ENGINEERING**  
**DATE: 1<sup>st</sup> October 2012**

**THEME/TOPICS: Sustainable Development/Environmental Management**

**VENUE : Room 31**

**Session Chair: Associate Prof Rosunee**

No	NAME OF AUTHOR(S)	TITLE OF ABSTRACT	TIME
1	V Dookhun & M Jodhoa	<i>Is GDP an Appropriate Measure/Indicator for Sustainable Development?</i>	13.30-13.50
2	K Soobhug, D Hurreeram, D Callychurn & A Ruggoo	<i>Assessment of the Productivity Monitoring and Performance Management (PM) 2 system within manufacturing companies in Mauritius</i>	13.50-14.10
3	S Venkannah, D Callychurn, A R Jeewoath & V Cheemontoo	<i>University - SMEs Collaboration to Support the Economic Growth in Small Island</i>	14.10-14.30
4	S Venkannah & D K S BOODAN	<i>Design of Low Cost Equipment for SMEs using E Waste</i>	14.30-14.50
5	M Boisemo-Naiko & N Kistamah	<i>The Effect of Yarn and Fabric Structure on the Colour of the Textile Substrate</i>	14.50-15.10
6	V Dookhun & Y Bisnatsingh	<i>Environmental Risk Assessment of heavy metal contamination in Large Scale Composting</i>	15.10-15.30
7	A G Ramen & G Somaroo	<i>Assessing the Potential of Treating Greywater on a Household Level</i>	15.30-15.40

Refreshment	15.30-16.00
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UNIVERSITY OF MAURITIUS RESEARCH WEEK 2012  
FACULTY OF ENGINEERING  
DATE: 1<sup>st</sup> October 2012

THEME/TOPICS: Poster

VENUE : Ground Floor, Prof E Lim Fat Building

No	NAME OF AUTHOR(S)	TITLE OF ABSTRACT
1	Nelson Jean-Michel Warren, A Seeruttun & Visham Hurbungs	<i>Mobile Tagging: A Proposal for Assisting Buyers During the Buying Process</i>
2	H Puttay ,A Carpooran , S Sonea & A Pierre	<i>Technological Support for the Mauritian Creole Language</i>
3	Y Alluck & V Seebaluck	<i>Solar Power Utilisation in the Commercial Sector</i>
4	P Juddoo & D Surroop	<i>Assessing the Potential of Gasification of Municipal Solid Waste</i>
5	H Puttay , P Soobarah & V Puchooa	<i>Virtual Wardrobe in the Mauritian Context</i>
6	R K Sungkur & D Rungen	<i>Web 2.0 and Social Computing – Harnessing Collective Intelligence for the Learning Communities</i>

**Faculty of Social Studies and Humanities**  
**Tuesday 02 October 2012**

# Faculty of Social Studies and Humanities

Tuesday 2 October 2012

## Lecture Theatre 1

**Session I: Language Issues**

**Time: 9.30 – 10.45**

**Moderator:** Mrs Christina Chan Meetoo

	<b>Title</b>	<b>Presenter</b>	<b>Time</b>
1	<i>Language Alternation, Hybridity and Performance: the Pragmatic Significance of Songs in everyday Interactions amongst a Group of Mauritian Youngsters</i>	Ms T Auckle	9.30- 9.50
2	<i>Les systèmes complexes adaptatifs: quelques pistes pour (re)penser les sciences du langage et les langues</i>	Mr S Oozeerally	9.50 - 10.10
	<b>Posters</b>		
3	<i>Pratiques et Représentations Linguistiques d'enfants Mauriciens</i>	Mrs Y Bosquet -Ballah	10.10- 10.15
4	<i>Le Créole Mauricien : de la Naissance Chaotique à la Reconnaissance étatique, en passant par deux Siècles de Tabous Institutionnels</i>	Dr A Carpooran	10.15- 10.20
5	<i>La Longue Marche vers L'écriture du Créole Mauricien: des Pratiques Graphiques Informelles à une Orthographe Officielle</i>	Dr A Carpooran & S Oozeerally	10.20-10.25
	<b>Discussion</b>		10.25– 10.45

**TEA BREAK 10.45- 11.00**

## Session 2: Media and Education

**Time: 11.00- 12.30**

**Moderator:** Mrs Yannick Bosquet-Ballah

	<b>Title</b>	<b>Presenter</b>	<b>Time</b>
6	<i>Pratiques de lecture chez les adolescents mauriciens: le cas des jeunes âgés de 13 à 15 ans</i>	Mrs C Chan-Meetoo & Mrs M Bissière	11.00- 11.20
7	<i>Varying Learning Styles of Students at the University of Mauritius</i>	Mr R Elaheebocus & Mr V Hurbungs	11.20– 11.45
8	<i>Development of an Educational Audit Tool as a Means to Ensure the Quality and Standard of Work-based Learning (WBL) Practice Placement</i>	Mr A Q Mohabuth	11.45- 12.05
	<b>Discussion</b>		12.05-12.30

**Lunch Break**

**Room G2 NAC**

**Session 1: Gender and Governance Issues**

Time: 9.30- 12.15

	<b>Title</b>	<b>Presenter</b>	<b>Time</b>
1	<i>Gender and Governance: An Analysis of Local Government in Mauritius</i>	Prof S Bunwaree	9.30- 9.50
2	<i>Youth Participation in Politics- A Gender Perspective</i>	Prof S Bunwaree, A Meea & M Raghoobar	9.50 – 10.10
3	<i>Ethics and Good Governance Among Third Sector Organizations: The Case of Mauritius</i>	Mr A Gopaul	10.10- 10.30
	<b>Tea Break</b>		<b>10.30 -10.45</b>
4	<i>“They Came to Mauritius”: A Study of the Early Female Indentured Labourers in British Mauritius, 1836-1907</i>	Mr S Peerthum	11.00- 11.20
5	<i>Explaining Women’s High Income Inequality and Financial Dependence in Less Developed Countries: Some Theoretical Postulates</i>	Prof S K Sobhee	11.20- 11.40
	<b>Discussion</b>		11.45 – 12.15

**Lunch Break**

## Lecture Theatre 1

### Session 3: Societal Issues and Violence

Time: 13.30- 16.30

	Title	Presenter	Time
1	<i>The Victim Empowerment and Abuser Rehabilitation Policy: A New Approach to Reduce Domestic Violence in the Mauritian society</i>	I Koodoruth	13.30 – 13.50
2	<i>Selection Process of a Representative in an Intergroup Negotiation: A Self-Categorization Perspective</i>	A Seedat	13.50- 14.10
3	<i>The Role of ICT in reducing Electoral Violence and promoting Good Governance: Evidence from 5 African Countries</i>	T S Ramessur	14.10 – 14.30
<b>Poster</b>			
7	<i>Work-Family Conflict, Support and Experience of Work and Family Satisfaction</i>	Dr Uma Bhowon	14.35 – 14.40
	<b>Discussion</b>		<b>14.40 – 15.00</b>
	<b>Tea Break</b>		<b>15.00 – 15.15</b>
4	<i>The Provision of a Free and Universal Health Care: a Recipients' Perspective</i>	N Ragodoo	15.15 – 15.35
5	<i>Cohabitation as an alternative to Marriage: Perception of the University of Mauritius' students</i>	R Suntoo & A Seedat	15.35 – 15.55
6	<i>Migration and 'New' Indian Migrants' (NIMs) Adaptation in the Host Society: The Case of Mauritius</i>	R Suntoo	15.55 – 16.15
	<b>Discussion</b>		<b>16.15 – 16.30</b>

## Lecture Theatre 2

### Session I : Trade and Finance

Time: 10.00-12.00

	<b>Title</b>	<b>Presenter</b>	<b>Time</b>
1	<i>Drivers of an International Financial Centre – The Case of Mauritius</i>	Assoc Prof K Jankee	10.00-10.30
2	<i>Mauritius As A Success Story For FDI: What Strategy And Policy Lessons Can Emerging Markets Learn?</i>	Dr B Sooreea-Bheemul & R Sooreea	10.30-11.00
3	<i>Trade and Foreign Direct Investment in Mauritius: Substitutes or Complements</i>	Dr (Mrs) V Tandrayen-Ragoobur	11.00-11.30
4	<i>The Link between Trade and Poverty: Case of Mauritius</i>	Dr B M Nowbutsing & Ms S Ramsok	11.30-12.00
	<b>Discussion</b>		<b>12.00-12.20</b>

### Lunch Break

### Session 2: Economics and Sustainability

Time 1300- 1530

	<b>Title</b>	<b>Presenter</b>	<b>Time</b>
	<i>Modelling and Forecasting Electricity Consumption for Sustainable Policies in Mauritius</i>	Dr J Khadaroo and Mr RSultan	13:00-13:30
	<i>Financing Options for Water Services and Distributional Implications</i>	Dr Y N Madhoo	13:30-14:00
	<i>Mitigating World's Trident Crises-Burgeoning Debt, Ageing Population and Climate Change: In Quest for Sustainable Policies</i>	Dr I Ramlall	14:00-14:30
	<i>Evaluation of the Vulnerability of Coastal Communities to Climate Change in the Island economies – The Case of the Republic of Mauritius</i>	Prof S K Sobhee, R Ramessur, T Ramessur & A Bhukuth	14:30-15:00
	<i>The Performance Gap: A Small Enterprise Phenomenon for Mauritius</i>	Dr (Mrs) V Tandrayen-Ragoobur	15:00-15:30
	<b>DISCUSSION</b>		<b>15.30-16.00</b>

**UNIVERSITY OF MAURITIUS  
RESEARCH WEEK 2012**

**FACULTY OF SCIENCE**

**Wednesday 03 October 2012**



UNIVERSITY OF MAURITIUS RESEARCH WEEK 2012				
FACULTY OF SCIENCE				
DATE: WED 3 <sup>rd</sup> October 2012, Venue: LT 1, Time: 09.00-15.40				
FACULTY OF SCIENCE- RESEARCH: THE WAY FORWARD				
No	NAME OF PRESENTER	THEME	TITLE OF ABSTRACT	TIME
1	<b>Dr P Gonpot</b>	RISK MODELLING	<i>An evaluation of the performance of Garch based 99% value at risk model: a case of the Mauritian exchange rate</i>	09.00 -09.20
1	<b>P Bundhoo</b>	FINANCIAL MODELLING	<i>A study of the impact of the liquidity factor in explaining variations of stock returns on the stock exchange of Mauritius</i>	09.20 -09.40
2	<b>A Z Dhunny</b>	COMPUTATIONAL FLUID DYNAMICS	<i>CFD study of the impacts of trees on wind flow patterns in urban street canyons: case of the University of Mauritius campus</i>	09.40 -10.00
<b>TEABREAK</b>				
3	<b>H G Hossen</b>	OPERATOR THEORY-PURE MATHEMATICS	<i>Application of the Coherent States Method to the Magnetic Schrödinger Operator and the Fractional Hamiltonian</i>	10.15 - 10.35
5	<b>S Cuneapen</b>	RENEWABLE ENERGY	<i>Study of a Small-Scale Horizontal Axis Wind Turbine using Computational Fluid Dynamics and Blade Element Momentum Theory</i>	10.35-10.55
6	<b>R K Coonjobeharry</b>	COMPUTATIONAL FINANCE	<i>A new fast and Accurate Valuation Technique for Callable Bonds</i>	10.55-11.15
7	<b>N B Jaufeerally</b>	COMPUTATIONAL CHEMISTRY	<i>Theoretical Studies of the Energetic, Structural and Stabilities of Novel Telluro-Ketones</i>	11.15-11.35
8	<b>L Rhyman</b>	COMPUTATIONAL CHEMISTRY	<i>Theoretical Studies on Cycloaddition Reactions</i>	11.35-11.55
<b>LUNCH</b>				
9	<b>N Seeburrin</b>	COMPUTATIONAL CHEMISTRY	<i>Gallium Oxides as Superhalogens and Hyperhalogens</i>	13.00-13.20
10	<b>S B Moosun</b>	BIOORGANIC AND INORGANIC	<i>Synthesis and Biological studies of N-Bis-(Mercaptophenyl) Furan-2-Carboxamide Ruthenium Metal Complexes</i>	13.20-13.40
11	<b>N Joondan</b>	BIOORGANIC AND INORGANIC	<i>Synthesis and Antibacterial Screening of a Series of Esters Derived from the</i>	13.40-14.00

			<i>Amino Acid L-Phenylalanine</i>	
<b>TEA BREAK &amp; POSTER SESSION</b>				<b>14.00-14.30</b>
<b>TALK ON RAMANUJAN</b>				14.30-15.00
12	<b>E Gungaram</b>	COASTAL DEVELOPMENT AND ECOSYSTEMS	<i>An Assessment of the Macro-Arthropod Fauna and Species Biology of the Mangrove Associated Mollusk, Littorina Scabra Associated with Rhizophora Mucronata Dominated Mangrove Ecosystems at Trou D'eau Douce and Case Noyale</i>	15.00-15.20
13	<b>P Sookar</b>	BIOCONTROL	<i>Dispersal and Survival of Sterile Peach Fruit Flies Bactrocera Zonata (Saunders) (Dipteral:Tephritidae) Treated with Beauveria Bassiana</i>	15.20-15.40

UNIVERSITY OF MAURITIUS RESEARCH WEEK 2012 FACULTY OF SCIENCE DATE: WED 3 <sup>rd</sup> October 2012, Venue: LT2, Time: 09H00-16H20				
<b>FACULTY OF SCIENCE- RESEARCH: THE WAY FORWARD</b>				
No	NAME OF PRESENTER	FIELD	TITLE OF ABSTRACT	TIME
1	<b>J Somanah</b>	FUNCTIONAL FOOD AND NATURAL PRODUCTS IN HEALTH AND DISEASES	<i>Effects of a Short Term Supplementation of a Fermented Papaya Preparation on Biomarkers of Type 2 Diabetes Mellitus in a Randomized Pre-diabetic Mauritian Population</i>	09.00-09.20
2	<b>N A Toolsee</b>	FUNCTIONAL FOOD AND NATURAL PRODUCTS IN HEALTH AND DISEASES	<i>Effectiveness of Green tea, a Polyphenolic Beverage, on Human Predisposed to type 2 Diabetes Mellitus:a Randomized Controlled Trial</i>	09.20-09.40
3	<b>K D Bholah</b>	FUNCTIONAL FOOD AND NATURAL PRODUCTS IN HEALTH AND DISEASES	<i>Awareness, knowledge and Perceptions of Functional Foods Among Mauritian Adults</i>	09.40-10.00
<b>TEA BREAK</b>				
4	<b>S Ramsaha</b>	FUNCTIONAL FOOD AND NATURAL PRODUCTS IN HEALTH AND DISEASES	<i>Edible Mushrooms as Prophylactic Functional Food: Analysis of their Phytochemical Content and Antioxidant Capacity</i>	10.15-10.35

5	<b>Y Dunneram</b>	FUNCTIONAL FOOD AND NATURAL PRODUCTS IN HEALTH AND DISEASES	<i>A Study on the Eating Habits of Pre-retired and Post-retired Persons in Mauritius</i>	10.35-10.55
6	<b>Dr R Jeewon</b>	FUNCTIONAL FOOD AND NATURAL PRODUCTS IN HEALTH AND DISEASES	<i>A Study on Consumer's Knowledge and Attitudes on Nutritional Labels</i>	10.55-11.15
7	<b>Dr S Dyal</b>	MOLECULAR BIOLOGY AND PHYLOGENETIC ANALYSES	<i>Molecular Characterization of Halophilic Archaea Species in Mauritius</i>	11.15-11.35
8	<b>S Gunness</b>	E-LEARNING	<i>Communication, Collaboration, Engagement and Empathy</i>	11.35-11.55
<b>LUNCH</b>				
9	<b>Dr S Manraj</b>	HEALTH AND DISEASES	<i>Epidemiology of Prostate Cancer in Mauritius: Analysis of Prostate Cancer Incidence and Mortality from 1989 to 2010</i>	13.00-13.20
10	<b>Dr J Deelchand</b>	HEALTH AND DISEASES	<i>Prevalence of Diabetic Retinopathy and Maculopathy in Type 2 Diabetic Adults Screened at Victoria hospital from March 2010 to March 2011</i>	13.20-13.40
11	<b>Dr M D Manraj</b>	HEALTH AND DISEASES	<i>Ultrasonographic Assessment of Fatty Liver Infiltration in Diabetic and Non Diabetic Mauritian Female Adults</i>	13.40-14.00
<b>TEABREAK &amp; POSTER SESSION</b>				
<b>TALK ON RAMANUJAN</b>				
12	<b>Ms N L H Sem Fa</b>	HEALTH AND DISEASES	<i>Study of Association Between TCF7L2 RS7903146 Polymorphism and Type 2 Diabetes and/or Premature CHD in the Mauritian Population of North Indian Origin</i>	15.00-15.20
13	<b>J Sonoo</b>	PUBLIC HEALTH	<i>Is Healthy Eating Behavior Common Among School Adolescents in Mauritius?</i>	15.20-15.40
14	<b>R Seebun</b>	PUBLIC HEALTH	<i>Motives Underlying Healthy and Unhealthy Eating Among University Students in Mauritius</i>	15.40-16.00

15	<b>C D Ruhee</b>	PUBLIC HEALTH	<i>A Study of the Relationship Between Family Meal Frequency and Individual Dietary Intake Among Diabetic Patients in Mauritius</i>	16.00-16.20
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**UNIVERSITY OF MAURITIUS  
RESEARCH WEEK 2012**

**FACULTY OF LAW  
AND MANAGEMENT**

**Thursday 04 October 2012**

**UNIVERSITY OF MAURITIUS RESEARCH WEEK 2012**  
**FACULTY OF LAW AND MANAGEMENT**  
**DATE: 4<sup>TH</sup> October 2012, Venue: LT 1, Time: 09.00-14.20**

**LAW**

No	NAME OF AUTHOR(S)	FIELD	TITLE OF ABSTRACT	TIME
1	Associate Professor (Dr) R P GUNPUTH	LAW	<i>Death Penalty in Mauritius: An Undying Problem</i>	09.00-09.20
2	Associate Professor (Dr) R P GUNPUTH	LAW	<i>Judicial response of the Supreme Court of Mauritius to massive violations of human rights</i>	09.20-09.40
3	Mrs V Mooneeram-Chadee	LAW	<i>Does Intellectual property law really help to combat piracy and counterfeiting?</i>	09.40-10.00

**MANAGEMENT (MGT)**

4	Associate Professor (Dr) A Ramgutty-Wong , Ms I.Dussoye & A Hossany	MGT	<i>Improving Expatriate Pre-departure Training Through "The Culture Briefing Expert"</i>	10.00-10.20
6	Associate Professor (Dr) R T Juwaheer & Ms Sharmila Pudaruth	MGT & MARKETING	<i>Investigating Factors for Enhancing Shopping Experience in the Shopping Malls of Mauritius</i>	10.20-10.40
7	Associate Professor (Dr) R T Juwaheer & J Roodurman	MGT & TOURISM	<i>Destination Love and Online Trust as Predictors of Service Loyalty Intentions and Likelihood to Recommend</i>	10.40-11.00
8	Dr D Ramasawmy, Dr A k Seebaluck L Vencataya & M Marday	MGT & EMPLOYMENT RELATIONS	<i>Improving Job Satisfaction for Quality Improvement at the University of Mauritius</i>	11.00-11.20
9	Dr D Ramasawmy, Dr A k Seebaluck L.Vencataya & M Marday	MGT & EDUCATION	<i>An Assessment of Planning for Service Quality in a Public-Funded Post-Secondary Body</i>	11.20-11.40
	Mrs A Aujayeb-Rogbeer, Ms J D Mahadeo & Ms I Dusoye	MGT & ENTREPRENEURSHIP	<i>Women Entrepreneurs in an Emerging Nation: Context, Commitment and Intention</i>	<b>(POSTER)</b>
10	V Teeroovengadam, T J Kamalanabhan, Dr A K Seebaluck & Associate Professor (Dr) R P Gunputh	MGT & EDUCATION	<i>Measuring Service Quality in the Higher Education Sector: a Critique</i>	11.40-12.00

**LUNCH (12.00-13.00)**

**ACCOUNTING AND FINANCE**

11	<b>M Lamport &amp; Dr B Seetanah</b>	FINANCE	<i>An Investigation of Calendar Anomalies: the Case of Emerging Capital Markets</i>	13.00-13.20
12	<b>Dr B Seetanah</b>	FINANCE	<i>Fiscal and Monetary Policies and Stock Market Volatility</i>	13.20-13.40
13	<b>M S U Agathee</b>	FINANCE	<i>Seasonal Pattern in Volatility: Evidence From the Mauritian's official and Development Enterprise Stock Market</i>	13.40-14.00
14	<b>Dr R V Sannasse, Dr B Seetanah , Mr Lamport M, Mr U Subadar and Dr S Matadeen</b>	FINANCE	<i>Determinants of Inward Foreign Direct Investment in Mauritius: A Dual Approach</i>	14.00-14.20

**UNIVERSITY OF MAURITIUS  
RESEARCH WEEK 2012**

**FACULTY OF AGRICULTURE**

**FRIDAY 05 OCTOBER 2012**



**UNIVERSITY OF MAURITIUS RESEARCH WEEK 2012****FACULTY OF AGRICULTURE****FRIDAY 5 OCTOBER 2012****Venue: LT 2, Time: 09H00-16H00**

Registration		08.30 - 09.00
Welcome Address and Presentation by Dean of Faculty: Research Highlights		09.00 – 09.20
<b>SESSION 1: Ongoing and Completed Research Work by Academic Staff</b>		<b>09.20 – 12.10</b>
<b>AUTHORS</b>	<b>TITLE</b>	<b>TIME</b>
A. Ruggoo, D. Goburdhun and N. Boodia	Development of value-added products from breadfruit	09.20 – 09.35
R. Brizmohun-Gopaul, S. Facknath, A. Ruggoo and S.Hardowar	A situational analysis of climate change adaptation and mitigation for agriculture in Mauritius	09.35 – 09.50
S. Facknath	Safe and sustainable utilisation of coal / bagasse ash in agroecosystems as soil amendment and for crop protection	09.50 – 10.05
S. Facknath, Y. Jaufeerally-Fakim, M. Ranghoo-Sanmukhiya, D. Marie and J. Govinden-Soulange	Molecular differentiation and bioactivity of selected sponges from Mauritius waters	10.05 – 10.20
B. Ramasawmy	Institutional Entrepreneurship; The case of the Mauritian vegetable supply chain	10.20 – 10.35
<b>TEA BREAK</b>		<b>10.35 – 10.55</b>
B. Lalljee and S. Facknath	Quantification and movement of sediments and agrochemicals under various types of mulches in coastal, hilly food production systems in Mauritius	10.55 – 11.10
M.F. Driver and K. Boodhoo	Local seaweed resources as alternative feed ingredients in pig diets – the way forward	11.10 – 11.25
K. Boodhoo and M.F. Driver	Assessment of stakeholders' views on the importance and level of achievement of the	11.25 – 11.40

	generic and subject specific competences in an Agriculture undergraduate programme of study	
D. Goburdhun and S.Kistamah	Evaluation of the daily lunch provided under the eradication of absolute poverty (EAP) Programme	11.40 – 11.55
G. Bahadur and D. Cooshna Naik	Multimedia Based Pedagogies applied to Physical Education in secondary schools (VCILT)	11.55 – 12.10
<b>LUNCH / POSTER SESSION</b>		<b>12.10 – 13.15</b>
<b>SESSION 2: Postgraduate Students' Research Work</b>		<b>13.15 – 14.15</b>
<b>AUTHORS</b>	<b>TITLE</b>	
N. Chukowry, B. Lalljee and R.Jeewon	<i>In vitro</i> assessment of mycelial growth of <i>Agaricus</i> species on locally available substrates materials	13.15 – 13.30
J.M. Ravina and M.F. Driver	Developing sustainable supplies of quality forages of high nutritive value	13.30 – 13.45
D. Lobine, J. Govinden-Soulange and V.M. Ranghoo-Sanmukhiya	Phylogeny and validation of biological properties of <i>Aloe</i> species endemic to Mascarene Islands	13.45 – 14.00
P. Seechurn and B. Lalljee	Nutrient losses from hydroponics – open fertigation systems	14.00 – 14.15
<b>TEA BREAK</b>		<b>14.15 – 14.35</b>
<b>SESSION 3: Undergraduate Students' Research Work</b>		<b>14.35 – 16.00</b>
<b>(Chairperson:</b>		
<b>AUTHORS</b>	<b>TITLE</b>	<b>TIME</b>
V. Gungabessoon and D. Goburdhun	Market and consumer survey on frozen convenience foods in Mauritius	14.35 – 14.50
G. Bhageerutty, S. Oogathoo and N. Boodia	A new method for the determination of crop evapotranspiration using an adapted rhizobox technology	14.50 – 15.05
D. Seerputtee, K.Boodhoo and D.Saddul	Nutritional value of fresh and ensiled whole maize for dairy cows	15.05 – 15.20
F.Salamut and R.Moothoo	Evaluation of litter recycling on broiler production	15.20 – 15.35
<b>DISCUSSION SESSION</b>		<b>15.35 -15.50</b>

<b>CLOSING REMARKS: Chairperson, Faculty Research Day Organising Committee</b>	<b>15.50 – 16.00</b>
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### POSTER SESSION

AUTHORS	TITLE
C. Soobroydoo and B. Aumjaud	Consumer survey on knowledge, attitude and practices towards food security
M. Meerun and B. Aumjaud	Consumer survey on knowledge, attitude and use relating to selected food additives
M. Pem and B. Aumjaud	Food safety knowledge, attitudes and practices: a study among tourists and street food vendors in Mauritius
J. Bhicoo and D. Ramful-Baboolall	Food hygiene assessment in a Mauritian wet market
M. Liu Shiu Cheong and V.M. Ranghoo-Sanmukhiya	Phylogeny of <i>Syzygium</i> species using morphological markers, RAPD and ISSR markers
M.N.V Makair and D.Ramful-Baboolall	Evaluation of antioxidant activity of leaves, seeds and peel extracts in food systems
S. Gunness, D. Cooshna-Naik, M.I Santally and G. K. Bahadur	11 years of e-learning at the University of Mauritius through the Activity Theory looking glass (VCILT)

**UNIVERSITY OF MAURITIUS  
RESEARCH WEEK 2012**

**FACULTY OF LAW  
AND MANAGEMENT**

**DATE: 4<sup>TH</sup> October 2012**

**UNIVERSITY OF MAURITIUS RESEARCH WEEK 2012**  
**FACULTY OF LAW AND MANAGEMENT**  
**DATE: 4<sup>TH</sup> October 2012, Venue: LT 1, Time: 09H00-14H20**

**LAW**

No	NAME OF AUTHOR(S)	FIELD	TITLE OF ABSTRACT	TIME
1	Associate Professor (Dr) R P GUNPUTH	LAW	<i>Death Penalty in Mauritius: An Undying Problem</i>	09H00-09H20
2	Associate Professor (Dr) R P GUNPUTH	LAW	<i>Judicial response of the Supreme Court of Mauritius to Massive Violations of Human Rights</i>	09H20-09H40
3	Mrs V Mooneeram-Chadee	LAW	<i>Does Intellectual Property law Really help to Combat Piracy and Counterfeiting?</i>	09H40-10H00

**MANAGEMENT (MGT)**

4	Associate Professor (Dr) A Ramguttty-Wong , Ms I Dussoye & A Hossany	MGT	<i>Improving Expatriate Pre-departure Training through 'The Culture Briefing Expert'</i>	10H00-10H20
6	Associate Professor (Dr) R T Juwaheer & Ms S Pudaruth	MGT & MARKETING	<i>Investigating Factors for Enhancing Shopping Experience in the Shopping Malls of Mauritius</i>	10H20-10H40
7	Associate Professor (Dr) R T Juwaheer & J Roodurman	MGT & TOURISM	<i>Destination Love and Online Trust as Predictors of Service Loyalty Intentions and Likelihood to Recommend</i>	10H40-11H00

8	Dr D Ramasawmy, Dr A k Seebaluck L Vencataya & M Marday	MGT & EMPLOYMENT RELATIONS	<i>Improving Job Satisfaction for Quality Improvement at the University of Mauritius</i>	11H00-11H20
9	Dr D Ramasawmy, Dr A k Seebaluck L Vencataya & M Marday	MGT & EDUCATION	<i>An Assessment of Planning for Service Quality in a Public-Funded Post-Secondary Body</i>	11H20-11H40
	Mrs A Aujayeb-Rogbeer, Ms J D Mahadeo & Ms I Dusoye	MGT & ENTREPRENEURSHIP	<i>Women Entrepreneurs in an Emerging Nation: Context, Commitment and Intention</i>	<b>(POSTER)</b>
10	V Teeroovengadam, T J Kamalanabhan, Dr A K Seebaluck & Associate Professor (Dr) R P Gunputh	MGT & EDUCATION	<i>Measuring Service Quality in the Higher Education Sector: A Critique</i>	11H40-12H00

**LUNCH (12H00-13H00)**

**ACCOUNTING AND FINANCE**

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12	<b>Dr B Seetanah</b>	FINANCE	<i>Fiscal and Monetary Policies and Stock Market Volatility</i>	13H20-13H40
13	<b>Mr U Subadar Agathee</b>	FINANCE	<i>Seasonal Pattern in Volatility: Evidence from the Mauritian's Official and Development Enterprise Stock Market</i>	13H40-14H00
14	<b>Dr R V Sannasee , Dr B Seetanah , Mr M Lamport , Mr U Subadar &amp; Dr S Matadeen</b>	FINANCE	<i>Determinants of Inward Foreign Direct Investment in Mauritius: A Dual Approach</i>	14H00-14H20

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**FACULTY OF AGRICULTURE**

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<b>CHAIRPERSON: Assoc Prof D Puchooa and Dr S Santchurn</b>		
<b>AUTHORS</b>	<b>TITLE</b>	<b>TIME</b>
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R Brizmohun-Gopaul, S Facknath, A Ruggoo & S Hardwar	A Situational Analysis of Climate Change Adaptation and Mitigation for Agriculture in Mauritius	09.35 – 09.50
S Facknath	Safe and Sustainable Utilisation of Coal / Bagasse ash in Agroecosystems as Soil Amendment and for Crop Protection	09.50 – 10.05
S Facknath, Y Jaufeerally-Fakim, M Ranghoo-Sanmukhiya, D Marie & J Govinden-Soulange	Molecular Differentiation and Bioactivity of Selected Sponges from Mauritius Waters	10.05 – 10.20
B Ramasawmy	Institutional Entrepreneurship; The Case of the Mauritian Vegetable Supply Chain	10.20 – 10.35
<b>TEA BREAK</b>		<b>10.35 – 10.55</b>
B Lalljee & S Facknath	Quantification and Movement of Sediments and Agrochemicals under various types of Mulches in Coastal, Hilly Food Production Systems in Mauritius	10.55 – 11.10
MF Driver & K Boodhoo	Local Seaweed Resources as Alternative Feed Ingredients in Pig Diets – The way Forward	11.10 – 11.25
K Boodhoo & M F Driver	Assessment of Stakeholders' Views on the Importance and Level of Achievement of the Generic and subject Specific Competences in an Agriculture Undergraduate Programme of Study	11.25 – 11.40
D Goburdhun & S Kistamah	Evaluation of the Daily Lunch Provided under the Eradication of Absolute Poverty (EAP) Programme	11.40 – 11.55



G Bahadur & D Cooshna-Naik	Multimedia Based Pedagogies applied to Physical Education in Secondary Schools (VCILT)	11.55 – 12.10
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J M Ravina & M F Driver	Developing Sustainable Supplies of Quality Forages of High Nutritive Value	13.30 – 13.45
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<b>SESSION 3: Undergraduate Students' Research Work Chairperson: Mr K Boodhoo</b>		<b>14.35 – 16.00</b>
<b>AUTHORS</b>	<b>TITLE</b>	<b>TIME</b>
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