

UNIVERSITY OF MAURITIUS

RESEARCH THEMES AND RESEARCH INTERESTS OF ACADEMIC STAFF

FACULTY OF AGRICULTURE

RESEARCH THEMES/ RESEARCH INTERESTS	CONTACT PERSON
<ul style="list-style-type: none">• Physiology of digestion in ruminants• Upgrading of low quality roughages• Nutritional and management strategies, housing systems and manure-handling methods to reduce atmospheric emissions from livestock facilities	Assoc. Prof F. Driver
<ul style="list-style-type: none">• Biotechnology of endemic & medicinal plants• Plant biodiversity and conservation	Dr J. Govinden-Soulange
<ul style="list-style-type: none">• Molecular Genetics (Plant/Microbial)• Molecular Epidemiology of food-borne bacteria• Disease-resistance genes in plant• Molecular evolution of antibiotic-resistance genes	Assoc. Prof Y. Jaufeerally-Fakim
<ul style="list-style-type: none">• Molecular Plant Pathology• Phylogeny – DNA Sequence Analysis	Dr V. Ranghoo-Sanmukhiya
<ul style="list-style-type: none">• Model-robust and model-sensitive designs• Sequential design procedures• Optimal experimental designs for linear and non-linear models	Dr A. Ruggoo
<ul style="list-style-type: none">• Heavy metals in the Environment• Conversion of wastes into fertilizers/compost• Sustainable Agriculture• Organic Farming• Carbon sequestration & land use change	Assoc. Prof B. Lalljee
<ul style="list-style-type: none">• Plant Tissue Culture – micropropagation of endemic and ornamental plant species• Plant Molecular Biology – DNA fingerprinting/characterisation	Assoc. Prof D Puchooa

FACULTY OF ENGINEERING

RESEARCH THEMES/ RESEARCH INTERESTS	CONTACT PERSON
<ul style="list-style-type: none"> • Communication Theory • Coding and Modulation • Digital Subscriber Line Technology • Intelligent Systems • Telemedical Applications • Network Security • Power Systems • Computational Intelligence • Optimization • Energy & environment (including Renewables and energy for Sustainable Development) • Energy Management (Including Energy Efficiency, Policy and Planning and Intelligent Energy Systems) 	<p>Prof H. C. S. Rughooputh Assoc. Prof K. M. S. Soyjaudah</p>
<ul style="list-style-type: none"> • Experimental & Theoretical Investigation of Surface Integrity Aspects of Non-Conventional Metal Machining Processes • Investigation of the Passivation Phenomena of Stainless Steel 316 • Application of Reliability Centered Maintenance (RCM) Strategy 	<p>Dr H. Ramasawmy</p>
<ul style="list-style-type: none"> • Petrinets for modelling and simulation • Project Management – scheduling aspects • Lean Manufacturing Methods • Multi-objective optimization of systems using Genetic Algorithms • Manufacturing Strategy Formulation and Auditing • Flexible Manufacturing Systems – Planning, Scheduling and Control 	<p>Prof Oleti Chetty</p>
<ul style="list-style-type: none"> • Operations Management • Quality Management Systems • Manufacturing strategy formulation and auditing 	<p>Dr D. Hurreeram</p>
<ul style="list-style-type: none"> • Corrosion • Solar Energy • Maintenance Engineering 	<p>Mr J. Gukhool</p>

RESEARCH THEMES/ RESEARCH INTERESTS	CONTACT PERSON
<ul style="list-style-type: none"> • Energy Engineering (including Applied Thermodynamics/Applied Mechanics Applications) • Energy & Environment (including Renewables and Energy for Sustainable Development) • Energy Management (including Energy Efficiency, Policy and Planning and Intelligent Energy Systems) 	Dr K. Elahee
<ul style="list-style-type: none"> • Solid Waste Management • Composting • Landfilling • Environmental Management • Renewable energy • Bioenergy 	Assoc. Prof R. Mohee
<ul style="list-style-type: none"> • Quality Management Systems Implementation • Total Quality Management for Engineering 	Dr F. Khodabocus Head. Dept. of Chemical & Sugar Engineerig
<ul style="list-style-type: none"> • Technical Textiles, e.g. biotextiles • Textile composites with applications to fire safety • Surface chemistry of polymers • Use of nanomaterials for improving textile performance 	Assoc. Prof S. Rosunee Head, Dept. of Textile Technology
<ul style="list-style-type: none"> • Graphic Design, Interactive Multimedia Design, Online Learning, Graphical User Interface, Usability, Web Design, 2-D Animation 	Mr U. Kokil
<ul style="list-style-type: none"> • Hydrology & Water Resources • Geotechnical Engineering • Environmental Management • Project Management • Materials 	Dr M. Allybokus, Head, Dept. of Civil Engineering
<ul style="list-style-type: none"> • Hydrogeology of volcanic basins • Statistical modeling & Drought predictions • Applications of Geotechnical Information Systems 	Assoc. Prof M. Nowbuth

RESEARCH THEMES/ RESEARCH INTERESTS	CONTACT PERSON
<ul style="list-style-type: none"> • Caching Architectures • Multimedia Systems 	Dr B. Sonah
<ul style="list-style-type: none"> • Distributed Systems and Middleware Technologies • Grid Computing • Mobile & Ubiquitous Computing 	Prof R. K. Subramanian Dr O. Moonian Dr (Mrs) S. Baichoo
<ul style="list-style-type: none"> • Image Processing • Vision Systems 	Prof R. K. Subramanian Dr S. Baichoo Dr (Mrs) S. Baichoo
<ul style="list-style-type: none"> • Knowledge Based Systems 	Prof R. K. Subramanian
<ul style="list-style-type: none"> • Error Code Corrections • DC Free Balanced Codes • Ternary and Multi Level Line Codes 	Dr M. A. Hosany

FACULTY OF LAW AND MANAGEMENT

RESEARCH THEMES/ RESEARCH INTERESTS	CONTACT PERSON
<ul style="list-style-type: none"> • Service Quality and Customer Care • Environmental Marketing • Sustainable Tourism and Development • Strategic Management and Marketing • Customer Relationship Management and Emarketing 	Assoc. Prof (Dr) T. D. Juwaheer
<ul style="list-style-type: none"> • SMEs and Entrepreneurship • Costing & Management Accounting • SMEs & Their Related Environment 	Assoc. Prof J. S. Matadeen
<ul style="list-style-type: none"> • Multinationals & EPZs • Finance • International Business 	Dr R. V. Sannassee
<ul style="list-style-type: none"> • Human Resource Management • Organisational Behaviour • Gender in Organisations • Organisational Culture • Change Management 	Assoc. Prof A. Ramguttty-Wong
<ul style="list-style-type: none"> • Trusts • Company Law • Revenue Law 	Assoc. Prof M. Hingun
<ul style="list-style-type: none"> • International Humanitarian Law 	Dr R. P. Gunpath
<ul style="list-style-type: none"> • Corruption in Developing Economies • Ethics and Corporate Social Responsibility 	Dr G. Napal
<ul style="list-style-type: none"> • Strategic Management & Marketing • SME and Entrepreneurship • Public Enterprises 	Assoc. Prof M. Boolaky
<ul style="list-style-type: none"> • Business Excellence • Quality in Post-Secondary Education 	Dr A. K. Seebaluck

<ul style="list-style-type: none"> • Performance Management • Pay Determination in Organisation • Organisation Development • Human Capital and Effectiveness • Employee Relations • Motivation and Effectiveness 	Dr P. Baguant
<ul style="list-style-type: none"> • Monetary Policy • Public Finance • Financial Econometrics 	Dr F. Sheik Rahim
<ul style="list-style-type: none"> • Droit du Travail • Intellectual Property Rights 	Assoc. Prof D. Fok Kan

FACULTY OF SCIENCE

DEPARTMENT	RESEARCH THEMES/ RESEARCH INTERESTS	CONTACT PERSON
Biosciences	<ul style="list-style-type: none"> • Freshwater and Marine Ecology • Mangrove Ecosystem • Crustacean Taxonomy and Biodiversity • Aquaculture 	Dr C. Appadoo
	<ul style="list-style-type: none"> • Biotechnology • Anti-oxidant & Free Radical Research • Functional Food Science 	Assoc. Prof T. Bahorun
	<ul style="list-style-type: none"> • Environment/Pollution • Oceanography/Marine Science • Ecology • Natural Resources • Limnology & Wetlands • Sustainable Development • Climate Change 	Assoc. Prof D. Daby
	<ul style="list-style-type: none"> • Terrestrial Ecology • Biodiversity/Conservation 	Mr V. Florens
	<ul style="list-style-type: none"> • Plant Physiology • Biotechnology • Biodiversity • Biofuels 	Dr S. Jawaheer
Medicine	<ul style="list-style-type: none"> • Study of Positional Genes in Premature Coronary Heart Disease, Type 2 Diabetes and Hypertension in Mauritius 	Dr M. D. Manraj

DEPARTMENT	RESEARCH THEMES/ RESEARCH INTERESTS	CONTACT PERSON
Chemistry	<ul style="list-style-type: none"> • Polymer Science/Material Science • Biotechnology 	Dr A. Bhaw-Luximon Assoc. Prof D. Jhurry
	<ul style="list-style-type: none"> • Organic Chemistry/Surfactant Chemistry derived from Natural Products 	Dr P. Caumul
	<ul style="list-style-type: none"> • Chemistry and Pharmacology of Medical Plant Extracts 	Prof A. Gurib-Fakim
	<ul style="list-style-type: none"> • Organic Chemistry/Chemistry and Pharmacology of Marine Organisms 	Assoc. Prof H. Li Kam Wah Assoc. Prof S. Jhaumeer-Laulloo Dr R. Choong Kwet Yive
	<ul style="list-style-type: none"> • Organometallic Chemistry/Coordination Chemistry 	Assoc. Prof H. Li Kam Wah Assoc. Prof M. Bhowon
	<ul style="list-style-type: none"> • Computational Chemistry/Theoretical Chemistry 	Assoc. Prof P. Ramasami
	<ul style="list-style-type: none"> • Environmental Science/Coastal Science 	Assoc Prof R. Ramessur Dr R. Choong Kwet Yive Dr K. Boodhoo
Health Sciences	<ul style="list-style-type: none"> • Immunology and ageing • Molecular Parasitology • Epidemiology • Ecotoxicology and Environmental Health • Infectious Diseases • Molecular Biology and Genetics 	Assoc. Prof S. Bhagwant Dr N. Kotea
	<ul style="list-style-type: none"> • Nutrition and Health Sciences • Nutritional Biochemistry • Physiology 	Dr P. Pugo-Gunsam
	<ul style="list-style-type: none"> • Carcinogenesis and Pathogenesis of Non Communicable and Communicable Diseases 	Dr S. P. Seetulsingh-Goorah
	<ul style="list-style-type: none"> • Medical Biochemistry and Biochemical Pharmacology • Environmental Health 	Prof A. H. Subratty

DEPARTMENT	RESEARCH THEMES/ RESEARCH INTERESTS	CONTACT PERSON
Mathematics	<ul style="list-style-type: none"> • Machine, Statistical and Probabilistic Learning • Scientific Computations • Numerical Partial Differential Equations • Mathematical Finance • Computational Finance 	Assoc. Prof M Bhuruth
	<ul style="list-style-type: none"> • Numerical Linear Algebra • Scientific Visualisation • Image Processing • Computational Mathematics • Computational Statistics 	Dr R. Boojhawon
	<ul style="list-style-type: none"> • Modelling and Simulation in the field of Finance, Bioscience and Environment • Mathematical Education 	Dr P. Gonpot
	<ul style="list-style-type: none"> • Computational Mathematics • Computational Finance • Numerical Linear Algebra 	Dr A. Gopaul
	<ul style="list-style-type: none"> • Operational Research • Network Optimisation • Communication Networks • Inventory Models 	Dr A. K. Maulloo
	<ul style="list-style-type: none"> • Theoretical and Computational Statistics • Statistical modelling and Analysis of Bio-medical & Socio-economic data 	Assoc. Prof V. Jowaheer
	<ul style="list-style-type: none"> • Computational Fluid Dynamics • Numerical Methods • Dynamical Systems 	Dr Z Dauhoo

DEPARTMENT	RESEARCH THEMES/ RESEARCH INTERESTS	CONTACT PERSON
Physics	<ul style="list-style-type: none"> • Radio Astronomy <ul style="list-style-type: none"> (i) Data Processing (ii) Image Analysis (iii) Tracking system & observations (iv) New multiwavelength arrays 	Dr G. K. Beeharry
	<ul style="list-style-type: none"> • Radioastronomy <ul style="list-style-type: none"> (i) Image Processing (ii) Galactic Astronomy (Supernova Remnants, HII regions, ..) (iii) Extragalactic Astronomy (AGNs, Radio Galaxies, Quasars, ...) • Pulsar Astronomy • Multiwavelength Astronomy 	Assoc. Prof N. Issur Assoc. Prof R. Somanah
	<ul style="list-style-type: none"> • Coupled Thermal – Electromagnetic Simulations • Applications of RF and Microwave energy 	Dr S. Oree
	<ul style="list-style-type: none"> • Complex Systems • Infectious disease modelling and forecasting • Image Analysis • Cardiovascular Physics • Photonic Crystals • Bioinformatics • Population Dynamics • Solid State Physics 	Assoc. Prof S. K. Ramchurn
	<ul style="list-style-type: none"> • Polymer Science • Environmental Science • Renewable Energy • Image Processing • GIS & Remote Sensing • Oceanography 	Prof S. D. D. V. Rughooputh

FACULTY OF SOCIAL STUDIES AND HUMANITIES

Department of Economics & Statistics

RESEARCH THEMES/ RESEARCH INTERESTS	CONTACT PERSON
<ul style="list-style-type: none"> • Development Economics 	Prof S. Nath Dr Y. N. Madhoo
<ul style="list-style-type: none"> • Environmental Economics 	Prof S. Nath Assoc. Prof S. K. Sobhee Dr Y. N. Madhoo
<ul style="list-style-type: none"> • International Economics and International Financial Markets 	Assoc. Prof K. Jankee Dr V. Ancharaz
<ul style="list-style-type: none"> • Macroeconomic Policy 	Assoc. Prof S. K. Sobhee Dr V. Ancharaz
<ul style="list-style-type: none"> • Monetary and Financial Economics 	Assoc. Prof K. Jankee Dr A. J. Khadaroo (on leave)
<ul style="list-style-type: none"> • Public Finance 	Prof S. Nath Assoc. Prof S. K. Sobhee

Department of French Studies

RESEARCH THEMES/ RESEARCH INTERESTS	CONTACT PERSON
<ul style="list-style-type: none"> • Language and Linguistics • Language and Society • Language in Education 	Prof V. H. Y. Hookoomsing
<ul style="list-style-type: none"> • Linguistics (French Studies) 	Assoc. Prof A. Carpooran
<ul style="list-style-type: none"> • Multilingualism and multiculturalism • Oral cultures and oral pedagogy • Creole studies • Identity construction • Texts and discourse analysis • “Linguistique de L’<i>énonciation</i>” 	Dr D. Police-Michel
<ul style="list-style-type: none"> • Literature (French Studies) 	Assoc. Prof S. Boolell Dr B. Cunniah Dr G. Daby
<ul style="list-style-type: none"> • Littératures francophones • Littérature mauricienne • Littératures francophones et comparées: Océan Indien/Caraïbe • Contes, mythes et traditions populaires de l’Océan Indien • Didactologie: langues, Littératures et cultures • Interculturalités, indianités et créolités 	Assoc. Prof K. R. Issur

Department of Social Studies

RESEARCH THEMES/ RESEARCH INTERESTS	CONTACT PERSON
<ul style="list-style-type: none"> • Family Welfare and Child Wellbeing • Long Life Society and Social Security 	Assoc. Prof S. Ragobur
<ul style="list-style-type: none"> • Organisational Behaviour • HIV/AIDS 	Assoc. Prof U. Bhowon
<ul style="list-style-type: none"> • Managing Diversity – Peace and Conflict Resolution • Education and Development 	Assoc. Prof S. Bunwaree-Ramharai

Department of English Studies

RESEARCH THEMES/ RESEARCH INTERESTS	CONTACT PERSON
<ul style="list-style-type: none"> • Cultural Studies / Popular Culture • Postmodernism / Poststructuralism • Indian Literature in English • Diaspora • Feminism 	Dr D. N. Bhautoo-Dewnarain
<ul style="list-style-type: none"> • Cultural Studies - Popular Culture, Subcultures, Music, Media/New Media, Cultures of Globalisation, Discourses on Islam, Heritage, Body Politics, Nation and Citizenship, Diasporic Identity Formations (Black Diaspora), Cultural Geographies • Travel Writing, Discourses on Nationalism, Feminisms 	Dr N. B. O. Lallmahomed-Aumeerally
<ul style="list-style-type: none"> • Second Language Acquisition • Language Policy and Language Planning • Language in Education Issues • Language, Power and Ideology • Teaching English in Multilingual Settings 	Dr S. K. Mahadeo
<ul style="list-style-type: none"> • Cultural Studies • Discourses on race and ethnicity • Multiculturalism • American Studies • Multiethnic U.S. Literatures • Ethnicity and Nationalism in Multiethnic/multicultural societies 	Dr S. Wong Kong Luong

MAHATMA GANDHI INSTITUTE

RESEARCH THEMES/ RESEARCH INTERESTS	CONTACT PERSON
<ul style="list-style-type: none"> • Gender Issues 	Assoc. Prof D. Ramdhony/ Dr A. Dunpath
<ul style="list-style-type: none"> • Hindi Studies in the Indian Diaspora 	Assoc. Prof D. Ramdhony
<ul style="list-style-type: none"> • Hindi Literature 	Dr R. Gobin/Dr S. Bhowon
<ul style="list-style-type: none"> • Hindi in Mauritius (Socio-linguistic perspective) • Mauritian Hindi Literature 	Dr H. Soonder
<ul style="list-style-type: none"> • Hindi – Second Language Teaching and Learning 	Dr J. Lallbeeharry
<ul style="list-style-type: none"> • Linguistics with special reference to socio-linguistic • Language, Society and Culture 	Assoc. Prof P. Tiroumalechetty
<ul style="list-style-type: none"> • Second Language Teaching and Learning 	Dr J. Chemen
<ul style="list-style-type: none"> • Telugu Literature • Second Language Teaching and Learning 	Dr G. Luthmoodoo – Reddy
<ul style="list-style-type: none"> • Socio-linguistic Studies 	Dr R. Appadoo
<ul style="list-style-type: none"> • Migration and Settlement • The Local Community • Marché et Sociétés 	Dr N. Gopauloo
<ul style="list-style-type: none"> • Society and Culture • Social Anthropology • Women and Gender Studies • Society and Religion 	Dr P. Ramhota
<ul style="list-style-type: none"> • Coastal Environment and Tourism Development • Urbanisation and Social Geography • History of Health 	Dr A. Janhangeer-Chojoo

RESEARCH THEMES/ RESEARCH INTERESTS	CONTACT PERSON
<ul style="list-style-type: none"> • Music Pedagogy • Voice Culture • Aesthetics of Music • Ethnomusicology • Historical Development 	Dr (Mrs) P. M. Hungsraz
<ul style="list-style-type: none"> • Indian Dance • Indian Classical Dance • Kathak Dance 	Dr (Mrs) P. M. Purgus
<ul style="list-style-type: none"> • Indian Music • Instrumental Music • Making and repair of musical instruments • Sitar 	Dr D. Ramkalawon
<ul style="list-style-type: none"> • Impact, Indian Music has on the social and cultural life of the people of Mauritius • Music practices by various ethnic groups in Mauritius • Preservation of the essential languages, traditions and culture of the Indo-Mauritians through Indian Music 	Dr (Mrs) G. Gumani

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