



UNIVERSITY OF MAURITIUS



UoM VIRTUAL RESEARCH WEEK 2021

*Building Resilience through Research
in the COVID-19 Era*

Faculty of Engineering

Thursday 11 November 2021



UoM Virtual Research Week 2021
Thursday 11 November 2021

Time: Nov 11, 2021 08:45 AM Dubai

Join Zoom Meeting

<https://zoom.us/j/99892805344?pwd=VGx2S0pSNDh1blJDT2NsNDFnTE43dz09>

Meeting ID: 998 9280 5344

Passcode: 180067

Time	Virtual Session Programme
09.00 – 09.10	<i>Admission of Participants</i>
09.10 – 09.15	Welcome Address by Dr Ravi Ramful <i>On behalf of the Chairperson of Faculty of Engineering Organising Sub Committee</i>
09.15 – 09.35	Keynote Address by Prof Elsabe Kearsley <i>Professor in Civil Engineering, University of Pretoria</i>
Oral Session 1	
Department of Chemical and Environmental Engineering Session Chair: Dr Vimi Dookhun	
09.35 – 09.55*	Lignocellulosic Biomass as Carbon Source for Polyhydroxyalkanoate (PHA) Generation <i>N. Jaffur, P. Jeetab And G. Kumar</i>
09.55 – 10.15*	Characterisation of Mauritian Lignocellulosic Materials for the Development of Value-Added Products <i>N. Jaffur, P. Jeetab and G. Kumar</i>
10.15 – 10.35	TEA BREAK
10.35 – 10.55*	The Potential of Algae-Derived Biopolymers as an Alternative to Synthetic Plastic <i>S. Buxoo, P. Jeetab and H. Ramasawmy</i>
Poster Session 1	
10.55 – 11.05*	Advanced Oxidation Processes for Photocatalytic Degradation of Hazardous Contaminant <i>B. Bhalla</i>
Oral Session 2	
Mechanical and Production Engineering Department	

Session Chair: Dr R. Ramful	
11.15 – 11.35*	Cellulose Fibres from Agro-Waste: A Circular Economy Stepping Stone Towards Solving the Water Irregularity Problem <i>P.D. Emrith, H. Ramasawmy, D. Surroop, D.B Das</i>
11.35 – 11.55*	Greening The Local Construction Materials by Integrating Agro-Waste Fibres into Concrete <i>Y. Ragboo, H. Ramasawmy, M. Gooroochurn, J. Chummun, A. Seeboo And N. Brown</i>
11.55 – 12.30	BREAK
12.30 – 13.20*	Keynote Address by Prof Hongjun Xu <i>Professor of Electronic Engineering, University of KwaZulu-Natal</i>
Oral Session 3	
Department of Applied Sustainability and Enterprise Development	
Session Chair: Dr R. Ramful	
13.20 – 13.40*	Investigating The Use of the <i>Furcraca Foetida</i> to Develop Eco-Friendly Products <i>A. Gilan and A. Vaidya Soocheta</i>
13.40 – 14.00*	Water Hyacinth Bio-Briquettes: A Sustainable Entrepreneurial Opportunity <i>J. Jadbeea and A. Vaidya Soocheta</i>
14.00 – 14.20*	Introduction of Leaf Skeleton, Flowers and Job Tear's Beads as Fashion Resources <i>N. Chaytee and A. Vaidya Soocheta</i>
14.20 – 14.40	TEA BREAK
Oral Session 4	
Department of Electrical and Electronic Engineering/	
Session Chair: Dr Y. Beeharry	
14.40 – 15.00*	Dynamic Distribution Network Reconfiguration with Distributed Generation Integration: A Systematic Review <i>P. Ramsami and R. T. F. Ab King</i>
Oral Session 5	
Other Institutions	
Session Chair: Mr Z. Doomah	
15.00 – 15.20*	BIMBY as a Tool for Sustainable Regeneration of the Architectural Identity for the Development of Heritage Buildings to identify buffer zones of Mauritius Post Covid-19. <i>D. Mottee</i>

Poster Session 2

15.20 – 15.30*

An Investigation On the Impact of All Kinds of E-Waste On the Environment and Human Life – An Approach to Implement a Sustainable E-Waste Management Framework

A. Menakha Jhawry

Closing Remarks and Vote of Thanks:

Dr (Mrs) Anagha Vaidya Soocheta

***On behalf of the Chairperson of Faculty of Engineering Organising Sub
Committee***

*Each time slot includes 5 minutes for Questions & Answers.