Monday, 25 August 2025

07:30 - 09:00	Free Transport from Emperor's Palace to Vaal
09:00 - 09:30	Welcome Free Breakfast Reception Hall
09:30 - 10:00	Welcome Event and Introductions
10:00 - 11:30	1st Session PCC and Delegation
10:00 - 10:30	Networking Break
10:00 - 10:30	Networking Break
11:30 - 12:00	Free Break Networking Session Buffet room
12:00 - 13:00	2nd Session PCC Main room
13:00 - 14:00	Free Networking Session Buffet room
14:00 - 15:00	Getting Published as a Post Graduate Student Room A
14:00 - 15:00	Student Supervisor Relationship at Post Graduate Level Room B
15:00 - 16:00	Research and Academic Writing Session 2 Main room
15:00 - 16:00	Research Publication : A focus on review papers
15:00 - 16:00	Research Publication : A focus on review papers
16:00 - 16:30	Afternoon Teas Buffet room

16:30 - 17:45	Free Transport Back to Emperors Palace
17:45 - 19:00	Conference Registration and Accreditation Reception Hall

Tuesday, 26 August 2025

07:00 - 08:00	Registration and Networking Free Breakfast Reception Hall	
08:00 - 09:15	Welcome Event Main room	
09:15 - 10:00	1st Keynote Speaker: Prof Godwell Nhamo Main room	
10:30 - 13:00	Climate Change Impact and Adaptation (Session 1) Main room	
	10:30 - 10:49 Ocean Warming along South Africa's East Coast: Trends and Socio-Economic Impacts on Coastal Communities Hlengiwe Kunene ¹ 1University of South Africa	300
	10:49 - 11:08 Investigating perceptions of climate change as a tool to improve sustainable tourism management Ashleen Kudzai Chipangura ¹ UNISA	<u>271</u>
	11:08 - 11:27 The effect of climate change on medicinal plants: Challenges and Future Strategies Samkeliso Takaidza ¹ Vaal University of Technology	<u>252</u>
	11:27 - 11:45 Exploring the Effects of Climate Change on Wildlife through Animation: A Case of the Riverine Rabbit Sibahle Erick Ndwandwe ¹ Vaal University of Technology	236
	11:45 - 12:04 Mapping lightning incidents and their impacts in South Africa: a climate perspective Nthabiseng Letsatsi ¹ South African Weather Service	<u>210</u>
	12:04 - 12:23 AGRO-PASTORALISTS' PERCEPTION ON CLIMATE CHANGE IN MARSABIT COUNTY, KENYA Anne Gudere 1 1 Kenya Agricultural and Livestock Research Organization	<u>128</u>
	12:23 - 12:42 Rainfall totals during the second half of the summer season in Zimbabwe have largely remained unchanged from 1980 to 2024 Nomalinda Khumalo ¹ , Godfrey Mutowo ¹ ¹ Great Zimbabwe University	<u>85</u>
	12:42 - 13:00 Toward a Contextualized Sustainability Index for Green Hydrogen Production in Sub-Saharan Africa: A Literature-Based Indicator Framework Aligned with the SDGs Amin Lahnaoui ¹ 1Forschungszentrum Jülich	222

10:30 - 13:00	Climate Change Mitigation and Resilience Building (S2) Room A	
	10:30 - 10:49 Investigation of challenges and opportunities for electric	<u>289</u>
	public transport (buses) adoption: A case of City of Tshwane	
	Metropolitan Municipality, South Africa. <u>Ndivhuho Neluheni</u> ¹ ¹ University of Johannesburg	
	10:49 - 11:08 Is Climate Justice Taken into Account in Climate Risk	<u>285</u>
	Assessments? <u>Tiago Cetrulo</u> ¹ ¹ School of Applied Sciences, University of Campinas (UNICAMP)	
	11:08 - 11:27 Effect of ensiled prickly pear on growth performance and	202
	methane emission by indigenous goats <u>Diego Matabane</u> ¹ ¹ University of Limpopo	
	11:27 - 11:45 Assessing Multi-Hazard Disaster Risk in KwaZulu-Natal:	<u>84</u>
	The Impact of Cut-Off Lows and Extreme Weather Events Nkosinathi Xulu ¹ 1 University of Zululand	
	11:45 - 12:04 Adaptation-oriented finance in Zimbabwe in the face of	<u>64</u>
	climate change: Promoting incremental autonomous adaptation through microfinance. Savanhu Howard Manyere ¹ ¹ Midlands State University	
	12:04 - 12:23 Unequal Landscapes: Climate risks and Governance	<u>173</u>
	Challenges in Eastern Cape Conservation Mandlenkosi Maphosa ¹ 1 University of Fort Hare	
	12:23 - 12:42 Climate Change, Resilience, and Policy Impact in Africa: A	220
	Systematic Review Ntokozo Hlatswayo ¹ , Malaika Masonte ¹ , Gelly Neshamba ¹ 1Univ of Johannesburg	
	12:42 - 13:00 Value addition to Zimbabwe's natural resources as a	<u>254</u>
	cornerstone to industrial development: A case of Lithium mines in Matsouth Eukael Nombuyiselo Mbuyisa ¹ 1Midlands State University	
10:30 - 13:00	Sustainable Development (S3) Room B	
	10:30 - 10:49 Three-Weekend Week: A Novel Strategy to Reduce Traffic	299
	Congestion DEEPUDEV SAHADEVAN ¹ ¹ EMIRATES AVIATION UNIVERSITY	
	10:49 - 11:08 Sustainable Ecotourism Promotion through Heritage	<u>259</u>
	Interpretation of Indigenous Knowledge Systems: A Systematic Review	
	and Future Pathways for Africa Hilary Kennedy Nji Bama ¹ ¹ University of the Free State	

	11:08 - 11:27 Impact of Transfrontier Conservation Areas on the migration of park-adjacent communities in the Lubombo conservation area Buhle Lunika ¹ ¹ University of Fort Hare	<u>258</u>
	11:27 - 11:45 Sustainability and Sustainable competitive advantage in Tourism and Hospitality in South Africa. Peter Chihwai ¹ Vaal University of Technology	232
	11:45 - 12:04 Tourism and Climate Change: In Quest of a Resilient Strategic Agenda Dorothy MF ZENGENI 1 University of Zimbabwe	<u>229</u>
	12:04 - 12:23 Bibliometric analysis and scoping review of scholarly literature on the nexus between climate change, public health and tourism in Southern Africa Olga Laiza Kupika ¹ Okavango Research Institute, University of Botswana	<u>154</u>
	12:23 - 12:42 Unlocking Cultural Tourism Potential for Sustainable Development: Investigating the King Cetshwayo Monument and Surrounding Attractions Langa Smukelo Gumede ¹ 11 Department of Recreation and Tourism, Faculty of Humanities and Social Sciences, University of Zululand, Private Bag X1001, KwaDlangezwa 3886, South Africa, Tel.: +27 35 902 6986, Corresponding Author E-mail: langagumede18@gmail.com	<u>106</u>
	12:42 - 13:00 Short-term crop rotation effects on potato yield and soil microbial communities Nyasha Chiuta ^{1,2} ¹ University of Fort Hare, ² University of Limpopo	<u>178</u>
13:00 - 14:00	Networking Lunch Buffet room	
14:00 - 15:30	Climate change impact and adaptation Main room	
	14:00 - 14:15 Climate change adaptation and mitigation through fruit tree planting in low-income settlements in Mopani districts, Limpopo Province, South Africa RIRHANDZU NOVELA ¹ Nova Institute, Aura Aesta Building, 2 Witteboom Street, Hartenbos, 6520	<u>290</u>
	14:15 - 14:30 Is Climate Justice Taken into Account in Climate Risk Assessments? <u>Tiago Cetrulo</u> ¹ ¹ School of Applied Sciences, University of Campinas (UNICAMP)	<u>285</u>
	14:30 - 14:45 A Review of Climate Impacts and Postharvest Losses During the Transportation of Climacteric Fruits in South Africa Ngwanamakgamatho Annah Setsiba ¹ Department of Crop Sciences, Tshwane University of Technology, Pretoria, South Africa	<u>281</u>

	14:45 - 15:00 INVESTIGATING AGRICULTURAL LAND DECLINE IN DURBAN METROPOLIS: A TEACHING FRAMEWORK FOR FOOD AND CLIMATE SUSTAINABILITY Tolulope Olatoye ¹ Sol Plaatje University	<u>27</u>
	15:00 - 15:15 Geospatial Mapping of Climate Vulnerabilities in Coastal African Urban Centres Lazarus Chapungu ¹ ¹ University of South Africa	<u>25</u>
	15:15 - 15:30 Utilising ChatGPT for Developing Self-Guided International Travel Itineraries through Effective Prompting MAGDALENA PETRONELLA (NELLIE) SWART ¹ ¹ University of South Africa	<u>274</u>
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	14:00 - 14:13 Developing a Business Continuity Framework for Agricultural Organizations in Response to Climate Change: A Systematic Literature Review Gibson Muridzi ¹ University of Johannesburg	<u>186</u>
	14:13 - 14:26 Effects of tillage rotations and biostimulant application on crop productivity in a dryland cropping system Flackson Tshuma ¹ Stellenbosch University	<u>182</u>
	14:26 - 14:39 Global trend analysis of climate change adaptation policy and governance in the water sector <u>John Majahana</u> ¹ ¹ University of Fort Hare	<u>242</u>
	14:39 - 14:52 Navigating Governance Challenges for Ocean Digital Twinning Technologies: Lessons and Implications for South Africa Olubunmi Afinowi ¹ Institute for Corporate Citizenship, College of Economic and Management Sciences, University of South Africa, Mucklenuek Campus, Pretoria	<u>9</u>
	14:52 - 15:05 Innovative campus initiatives for climate change mitigation: A case study of sustainability practices at a South African University Zenzo Polite Ncube ¹ , Chemunondirwa Christopher Chitumwa ¹ ¹ Vaal University of Technology	<u>286</u>
	15:05 - 15:18 From Culture to Performance: Investigating the interplay of motivation, value and innovation in the hospitality workplace Magdalena Petronella Swart ¹ ¹ University of South Africa	<u>272</u>
	15:18 - 15:30 Towards sustainable climate smart agriculture in smallholder communities: a critical review of policies and institutional frameworks in Zimbabwe Munya Chitakira ¹ ¹ University of South Africa	<u>317</u>
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	14:00 - 14:13 Voices from the village: Identifying positive and negative environmental behaviour using the nominal grouping technique Dorothy	<u>293</u>

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	14:13 - 14:26 BARRIERS TO SUSTAINABLE CONSUMPTION AND THEIR EFFECTS ON FOOD SECURITY: INSIGHTS FROM SOUTH AFRICA PRIVILEDGE CHETENI ¹ ¹ university of cape town	<u>292</u>
	14:26 - 14:39 Critical underestimated practices set to improve Municipal Solid Waste Management in cities Geoffrey Ojara lakony ¹ ¹ Uganda Matyrs University	<u>282</u>
	14:39 - 14:52 Recycling and Application of Waste Tires in Engineering Applications Abednigo Jabu Mbatha ¹ Presenter	<u>243</u>
	14:52 - 15:05 Segmentation by Motivation for Rural Tourism Activities in KwaZulu-Natal, South Africa Nelisile Mgabhi ¹ ¹ 1 Department of Recreation and Tourism, Faculty of Humanities and Social Sciences, University of Zululand, Private Bag X1001, KwaDlangezwa 3886, South Africa, Tel.: +27 35 902 6323, Corresponding Author E-mail: mgabhinz@gmail.com/ MgabhiN@unizulu.ac.za, ORCiD number: https://orcid.org/0000-0002-6958-25851 Department of Recreation and Tourism, Faculty of Humanities and Social Sciences, University of Zululand, Private Bag X1001, KwaDlangezwa 3886, South Africa, Tel.: +27 35 902 6323, Corresponding Author E-mail: mgabhinz@gmail.com/ MgabhiN@unizulu.ac.za, ORCiD number: https://orcid.org/0000-0002-6958-2585	<u>105</u>
	15:05 - 15:18 Artificial Intelligence and Sustainable Development Goals: A bibliometric science mapping and sensemaking endeavour (2014-2024) Godwell Nhamo ¹ , Lazarus Chapungu ¹ ¹ University of South Africa	<u>10</u>
	15:18 - 15:30 A Pedagogical Approach Towards Ameliorating the Global Effects of Covid-19 Pandemic Through Forest Restoration and Environmental Sustainability Tolulope Olatoye ¹ Sol Plaatje University	8
15:30 - 16:00	Networking Afternoon Teas Buffet room	
16:00 - 17:30	Climate Change Adaptation and Resilience Building Room A	
	16:00 - 16:15 Exploring the drivers of biogas adoption as a sustainable energy solution in the peri-urban areas of Mbarara City, Western Uganda Patience Tugume ¹ ¹ Makerere University	<u>171</u>
	16:15 - 16:30 Enhancing Coastal Resilience: Adaptive Strategies for Sustainable Marine Ecosystems in the Face of Climate Change Thandoluhle Kwanhi ¹ Nelson Mandela University	<u>166</u>
	16:30 - 16:45 Spatial Optimization of Agrivoltaic Systems: A Parametric Framework to Enhance Climate-Smart Agricultural Practices and	<u>157</u>

	Sustainable Energy Production Galalelo Olive Monyaki ¹ ¹ South African Institute of International Affairs (Youth@SAIIA)	
	16:45 - 17:00 Bibliometric analysis and scoping review of scholarly literature on the nexus between climate change, public health and tourism in Southern Africa Olga Laiza Kupika ¹ Okavango Research Institute, University of Botswana	<u>154</u>
	17:00 - 17:15 Climate Adaptation and Mitigation Strategies in Wildlife Tourism Destinations: Stakeholder Lessons From Maasai Mara National Reserve Catherine Kifworo ¹ Maasai Mara University, Kenya	<u>43</u>
	17:15 - 17:30 Purification efficacy of selected wetland systems in the Vaal region, South Africa Mzimkhulu Monapathi ¹ Vaal University of Technology	<u>184</u>
16:00 - 17:30	Climate Change Impact and Adaptation Main room	
	16:00 - 16:15 Assessing the socio-economic factors influencing the use of climate-smart agriculture practices by smallholder crop farmers in Mbashe Local Municipality, Eastern Cape Province France Mzilikazi ¹ University of Fort Hare	<u>245</u>
	16:15 - 16:30 A review of climate change adaptation and mitigation efforts at airports Phathutshedzo Mundalamo ¹ University of South Africa	<u>217</u>
	16:30 - 16:45 Climate-Smart Agricultural Technology Adoption Barriers: Insights into Small-Scale Farmers in the Eastern Cape Province, SA. Sibonise Lufume ¹ ¹ University of Fort Hare (Department of Agricultural Economics, Extension and Agribusiness)	<u>207</u>
	16:45 - 17:00 Linking climate-smart agriculture awareness, crop diversity, and water access in a rural farming community: Pathways to resilience Admire Dzvene ¹ ¹ University of Fort Hare, Centre for Global Change	<u>205</u>
	17:00 - 17:15 Water Dynamics Influence on Morphological Characteristics of Four Sweet Potato Cultivars Grown Under Rain-Out Shelter David Xaba ^{1, 2} ¹ Tshwane University of Technology, ² Agricultural Research Council	<u>91</u>
	17:15 - 17:30 Guest orientation, self-efficacy and motivation: An important inter-relationship towards improving the front office staff's ability to provide information on tourist attractions Sello Nthebe 1 Unisa	<u>275</u>
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	16:00 - 16:15 Assessing Financial Sustainability of Energy-Efficient Projects in Low-Income Urban Settings Thembinkosi Maphosa 1 1Dr	<u>273</u>
	16:15 - 16:30 Enhanced Activity and Stability of Immobilized Lipase for Biocatalytic Applications in Renewable Energy Mpho Nkhi ¹ ¹ Vaal University of Technology	<u>263</u>
	16:30 - 16:45 Nutrient digestibility in Boschveld chickens fed (Spirulina Platensis) algae-based diets Modipadi Austacia Kawa ¹ ¹ University of Limpopo	<u>194</u>
	16:45 - 17:00 Waste management practices within restaurants located in Cape Town Townships Zolisa Ndita ¹ Cape Peninsula University of Technology	<u>305</u>
	17:00 - 17:15 Financing Resilient Futures: Programs for Collaborative Conservation in Protected Areas - Empowering Women in Rural Communities Patience Tshuma ¹ , Dorothy Queiros ¹ ¹ Unisa	<u>279</u>
	17:15 - 17:30 Change Detection of Urban Land Use Land Cover (LULC) and Built Form from 1990-2024 in Srinagar City, Jammu and Kashmir, India Aurobindo Ogra ¹ , Rahisha Thottolil ¹ Department of Urban and Regional Planning, Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa	<u>163</u>
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Wednesday, 27 August 2025

07:00 - 08:00	Welcome Free Breakfast Buffet room	
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09:00 - 10:00	Pannel Discussion Main room	
10:00 - 13:00	Climate change mitigation and resilience Room A	
	10:00 - 10:23 Exploring the Role of Information and Communication Technologies (ICTs) in Climate Change Adaptation among Communal Farmers: An Assessment of Access and Utilization Patterns in Raymond Mhlaba Local Municipality, Eastern Cape province, South Africa Zukhanye Mangesana ¹ ¹presenter	149
	10:23 - 10:45 Integrating Indigenous Knowledge and Emerging Technologies for Climate-Resilient Food Security in Semi-Arid Communal Areas: Sustainable Adaptation Strategies for Chivi District Monica Madyembwa ¹ ¹great zimbabwe university	142
	10:45 - 11:08 Exploring local knowledge systems to further buttressing nature-based solutions and mitigate the impact of agricultural drought risks among smallholder farmers in south-eastern Zimbabwe Hardlife Zinhiva ¹ ¹ Great Zimbabwe University	<u>141</u>
	11:08 - 11:30 Exploring Environmental Challenges and Enhancing Sustainability at Lake Mutirikwi: Integrated Waste Management and Climate Resilience Strategies for Masvingo Region Bert Nyabadza ¹ , Monica Madyembwa ¹ ¹ Great Zimbabwe University	<u>139</u>
	11:30 - 11:53 Assessing the role of indigenous plants in semi-arid Southern African in climate change mitigation Tsholofelo Lori ¹ ¹ BA ISAGO University	<u>135</u>
	11:53 - 12:15 Chemically Modified Cellulose Nanocrystal from Typha angustifolia for removal of Cr(VI) from waste water Lynda .S Mesoppirr1 Maasai Mara University	303
	12:15 - 12:38 Assessment of Skills Gaps in Natural Resource Management and Climate Resilience: A Skills Audit in the Northern Cape, South Africa Siviwe Odwa Malongweni ¹ ¹ Centre for Global Change	<u>88</u>
	12:38 - 13:00 Overcoming Socio-Economic Barriers in South Africa's	<u>140</u>

	Investment Plan (JET-IP) in Addressing the Impact on Workers and	
	Communities. Viwe Gobeni ¹ ¹ University of Fort Hare	
10:00 - 10:30	Networking Break Buffet room	
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	10:30 - 10:52 Determinants of agroecosystem degradation and the associated income and dietary diversity implications at the household level: The case of Mbashe Local Municipality Nnadipha Tonisi ¹ ¹ University of Fort Hare	<u>239</u>
	10:52 - 11:13 Mining For Resilience: Artisanal Mining as a Climate Adaptation Strategy for Women Small-Farm Holders in Drought Affected Malole Village, Insiza District, Zimbabwe Mbongeni Nhliziyo ¹ ¹ University of Fort Hare	<u>58</u>
	11:13 - 11:35 THE IMPACT OF EXPERIENCE AND CHARITY HAZARD ON NATURAL HAZARD INSURANCE IN ZIMBABWE AND SOUTH AFRICA Farai Borden Mushonga ¹ Nelson Mandela University	<u>51</u>
	11:35 - 11:56 Crises and Recovery: Moving Coastal Durban Hotels in post-pandemic South Africa towards resilience Sai-Risha Gareeb ^{1, 2} ¹ University of Johannesburg, ² Durban University of Technology	<u>40</u>
	11:56 - 12:18 Artificial Intelligence application in coastal flooding and sea level rise research: A bibliometric analysis Prof. Nhamo Godwell ¹ University of South Africa	<u>13</u>
	12:18 - 12:39 The Role of GuanoboostTM in Climate mitigation and Sustainable land use strategies through positive production of potatoes cv. Palace (Solanum tuberosum) in Eastern Cape. Awabo Manyaku ¹ 1 University of Fort Hare	<u>147</u>
	12:39 - 13:00 Exploring the Influence of Institutions on Urban Sustainability Frameworks: A Systematic Review. Thomas Karakadzai ¹ University of Cape Town	308
10:30 - 13:00	Sustainable Development Room B	
	10:30 - 10:49 Unfair Treatment of Labour Unions by Council and Management in South African Universities: A Perspective of Sustainable	<u>250</u>

Development. <u>Lutendo Ernest Mudau</u>¹ ¹VUT

Just EnergyTransition: Evaluating the Role of the Just Energy Transition

	10:49 - 11:08 Walking through the Students' Challenges in Postgraduate Education: A South African Situation Response Evidenced Aligned to the Sustainable Development Goals (SDGs) Lutendo Ernest Mudau ¹ 1vut	<u>249</u>
	11:08 - 11:27 Gender and food production: defining gender equality through social work lenses in Kwa-Lindile and Kwa-Dosi, Eastern Cape, South Africa Ziyandiswa Fono ¹ Walter Sisulu University	<u>241</u>
	11:27 - 11:45 Reclaiming the Future: Indigenous Youth and Intergenerational Knowledge in South Africa's Coastal Tourism Governance Siphelele Ndlovu ¹ Department of Tourism and Integrated Communication, Faculty of Human Sciences, Vaal University of Technology, Vanderbijlpark, South Africa	<u>235</u>
	11:45 - 12:04 Impacts of Lithium Mining on Rural Livelihoods in Arcturus, Zimbabwe: A Community Perspective Regis Musavengane ¹ 1University of the Free State	<u>234</u>
	12:04 - 12:23 Performance of Henequen and Sisal Fibres Reinforced Mortar for Sustainable Construction Akintayo Adeniji ^{1, 2} ¹ Tshwane University of Technology, ² University of Ibadan	<u>233</u>
	12:23 - 12:42 Determining barriers to implement sustainable water-saving strategies for fine dining restaurants in Cape Town nobesuthu Magida ¹ Cape Peninsula University of Technology	<u>223</u>
	12:42 - 13:00 The effects of environmental practices of hotel performance in Cape Town. Phakama Ngwane ¹ Student	<u>307</u>
13:00 - 14:00	Networking Free Lunch Buffet room	
14:00 - 14:45	Presidential Climate Change Commission PCC	
14:45 - 15:30	Keynote Lecture and Green Building Construction exhibition by Hydraform Main room	
15:30 - 15:45	Networking Afternoon Free Tea Main room	
15:45 - 17:45	Climate Change Impact and Adaptation Main room	
	15:45 - 16:03 Characterization and mapping of Drought Occurrence Over Northern Cape Province Using meteorological indices between 2000 - 2024 Phumlani Sabelo Magnificent Zwane ¹ Sol Plaatje University	<u>294</u>

	16:03 - 16:20 Agricultural land use management practices in the Eastern Cape Province of South Africa: the perceived impacts on visual soil quality indicators Siphamandla Nyambo ¹ University of Fort Hare	<u>224</u>
	16:20 - 16:37 Reviving abandoned land: Household perceptions and pathways for climate-resilient agriculture in Eastern Cape province, South Africa Leocadia Zhou ¹ ¹ University of Fort Hare: Centre for Global Change	<u>288</u>
	16:37 - 16:54 State-Owned Enterprises (SOEs) contribution to Just Energy Transitions in South Africa Jonase Nthunya ¹ ¹ Unirvesity of Johannesburg	<u>291</u>
	16:54 - 17:11 Modelling the future climate suitability of coffee Antestia bug (Antestiopsis sp.) under CMIP6 scenarios in selected Arabica coffee producing areas of Ethiopia Melkamu Mamuye ¹ Jimma University College of Agriculture and Veterinary Medicine	<u>98</u>
	17:11 - 17:28 Investigation of Energy-Efficiency and Climate Change Mitigation in the Tourism and Hospitality Industry: A Sustainable Development Goals Perspective Sisamkele Mdoda ¹ Vaal University of Technology	<u>16</u>
	17:28 - 17:45 MORPHO-AGRONOMIC RESPONSE TO WATER STRESS OF SOME NIGERIAN BAMBARA GROUNDNUT (VIGNA SUBTERRANEA (L.) VERDC.) GERMPLASM AND GENETIC DIVERSITY STUDIES OF SOME SELECTED ACCESSIONS USING SSR MARKERS. Dorcas Abejide ¹ 1Prince Abubakar Audu University, Anyigba	<u>110</u>
15:45 - 17:45	Climate change mitigation and resilience Building Room A	
	15:45 - 16:03 Assessing the Role of 4IR Technologies in Enhancing Climate-Resilient Irrigation Schemes in Zimbabwe: A Case Study of the Mushandike (Longdale). Jonah Wakurawarerwa ¹ , sylvester Dombo ¹ ¹ Great Zimbabwe University	<u>50</u>
	16:03 - 16:20 Application of Ground-Based Data and Remote Sensing for Estimating Maize Yields to Improve Food Security in South Africa Simbarashe Jombo ¹ Department of Physical and Earth Sciences, Sol Plaatje University	<u>37</u>
	16:20 - 16:37 The Role of Non-Governmental Organizations in Enhancing Climate Resilience among Rural Communities Hilda Jaka Mabiza ¹ ¹Great Zimbabwe University	<u>35</u>
	16:37 - 16:54 Application of Artificial Intelligence (AI) in disaster risk reduction: Bibliometric analysis mapping the global landscape	7

	2004-2024 Godwell Nhamo ¹ ¹ University of South Africa (UNISA)	
	16:54 - 17:11 Forest restoration through in vitro multiplication of premium native timber species: a response to mitigate the effects of climate change. Celia Martins ¹ ¹ Eduardo Mondlane University Faculty of Sciences	<u>59</u>
	17:11 - 17:28 PUBLIC PERCEPTION AND CHALLENGES OF STORMWATER DRAINAGE SYSTEMS IN DURBAN, KWAZULU-NATAL: INSIGHTS FROM COMMUNITY SURVEYS Basiiraa Moosa ¹ ¹ University of Johannesburg	<u>174</u>
	17:28 - 17:45 Exploratory and Spatial Analysis of Tourist Accommodation in Srinagar District, Kashmir, India Aurobindo Ogra ¹ , Rahisha Thottolil ¹ Department of Urban and Regional Planning, Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa	<u>164</u>
15:45 - 17:45	Sustainable Development Goals Room B	
	Numerical simulation and design of solar cell device with SnS2-based electron transport layer Inam Vulindlela ^{1,2} ¹ Chemistry department, University of Fort Hare, ² Fort Hare institute of Technology, University of Fort Hare	<u>86</u>
	Heritage-based feed resources in on-farm feed formulation: Key for sustainable free-range poultry (Gallus domesticus) production. A systematic review Prosper Bright Muvhuringi ¹ ¹ Great Zimbabwe University, Livestock, Wildlife and Fisheries Department	<u>136</u>
	Evaluating The Effectiveness of Machine Learning Algorithms in Detecting and Mapping Land Degradation Using Landsat Data Mandisa Zameko ¹ ¹ 1Department of Chemistry and Earth Sciences, University of Fort Hare, Alice, 5700	<u>167</u>
	The opportunities and barriers on the adoption of green tourism entrepreneurship in Zimbabwe. <u>Tichafa Makoni</u> ¹ Durban University of Technology	<u>197</u>
	Comedy as a strategy to convey climate change message/s in animation films Mashaole Makwela ¹ VUT	216
	Methodological Approaches for Identifying Rhizosphere Bacteria and Fungi: A Systematic Review of Comparative Insights and Best Practices Sphelele Mbhele ^{1,2} ¹ University of Fort Hare, ² Student	<u>248</u>
	Exploring the role of Traditional Authorities in the development of Rural Tourism entrepreneurship Nhlanhla Radebe 1 University of South Africa	<u>278</u>

Thursday, 28 August 2025

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10:00 - 10:30	Networking Free Break Buffet room	
10:00 - 13:00	Sustainable Development and Agriculture related themes	
	10:00 - 10:23 FORGING ENGAGEMENT: A FRAMEWORK FOR THE DEVELOPMENT AND MANAGEMENT OF MULTIMEDIA CONTENT FOR SOCIAL-MEDIA MARKETING FOR NATURE-BASED TOURISM SME'S Deryck Foster ¹ , Anneke de Klerk ¹ Vaal University of Technology	<u>168</u>
	10:23 - 10:45 Perception of small-scale vegetable farmers towards agricultural support service training intervention on irrigation water management practices. Nelly Majola ¹ Nelson Mandela University	<u>121</u>
	10:45 - 11:08 Monitoring the extent of soil erosion in grassland biomes using fused multiplatform satellite-based remote-sensing data	

	Conservation in Zimbabwe James Chitopo ¹ ¹ University of Zimbabwe	
10:00 - 13:00	TESA AGM Meeting Room A	
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	The moderating effects of water governance quality on climate change effects in Chris Hani District Municipality, in South Africa Uche Omoruyi ¹ 1 University of Fort Hare	<u>79</u>
	RESPONSE FOR GRAIN YIELD PERFORMANCE OF SOYBEAN GENOTYPES UNDER DIFFERENT SITES IN THE EASTERN CAPE, SOUTH AFRICA SIHLE SITSHAKA ¹ Department of Agronomy, Fort Hare University, Private Bag X1314, Alice, 5700, South Africa.	103
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Gauteng World Heritage Sites Tour: Cradle of Human Kind