


Sylvester MPANDELI		
Function	Executive Manager (WRC) and Adjunct Professor (Univen)	
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Key words	Climate change adaptation, agricultural water management, food security, water use, water -energy -food nexus	
Areas of expertise		
My areas of expertise are as follows: Climate change adaptation, food security, water -energy -food nexus and agricultural water management.		
Professional Background		
<p>Prof Sylvester Mpandeli is an Executive Manager at the Water Research Commission (WRC). He joined the WRC as a Researcher Manager in 2013. He is an Adjunct Professor at the University of Venda, School of Environmental Sciences since 2013. He worked at the Agricultural Research Council – Institute for Soil, Climate and Water (ARC-ISCW) for 9 years (4 years as a researcher & 5 years as a Programme Manager). He serves as a Board Member of the ACCESS, Advisory Board Member of the Joint Programme Initiative (JPI) of the European Commission (EC) from 2019 to 2022, member of the International Executive Council (IEC) of the International Commission on Irrigation and Drainage (ICID) from 2013 till to date. He was a Specialist Advisor to the Department of Environmental from 2009 to 2012 and later appointed as a Director responsible for Climate Change Adaptation sectors from 2012 to 2013. He has earned the following degrees between 1997 & 2006, Bachelor in Agriculture from University of Venda 1997, two honours degrees in Horticulture and Land Use Planning from the University of Pretoria in 1998 & 2002, Masters degree in Irrigation and Agronomy in 2001 from University of Pretoria, Doctor of Philosophy in Climatology from University of Witwatersrand in 2006. Postgraduate Diploma in Research and Development from ICRA, Netherlands in 2004. He has been involved in Research & Development and Innovation for the past 20 years focusing on Agriculture, Water and Environmental sectors. His particular areas of interest are climate change adaptation, food security, water -energy -food nexus, agricultural water management etc. He has published 2 books and over 150 scientific articles, conference /workshop proceedings, technical reports. He has been an external examiner at the Universities of KwaZulu -Natal (South Africa), North West (South Africa), Venda (South Africa), Wits (South Africa) and Unisa (South Africa).</p>		

Recent selected publications

Mabhaudhi, T, Nhamo, L, **Mpandeli, S**, Nhemachema, C, Senzanje, A, Sobratee, N, Slotow, R, Naidoo, D, and Liphadzi, S., 2019: The Water-Energy-Food Nexus as a Tool to Transform Rural Livelihoods and Well-Being in Southern Africa. Paper published by International Journal of Environmental Research and Public Health 16(16):2970 DOI: 10.3390/ijerph16162970

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Hurgesa, H, **Mpandeli, S** and Banter, A, 2019: Spatiotemporal analysis of land use cover dynamics of Adame district, Ethiopia and its implication in Greenhouse Gases Emissions. Integrated Environmental Assessment and Management. doi: 10.1002/ieam.4188. July 2019.

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