



**3rd Pan-African Science Education
Research (PASER) Postgraduate Student
Conference - 2024
Hosted by the University of KwaZulu-Natal**

PROGRAMME: 13 SEPTEMBER 2023

08:45 – 09:00	MEET & GREET	
PROGRAMME CO-CHAIRS: DR BONGANI NDLOVU & MR MPUMELELO GUMEDE		
09:00 – 09:05	Opening and Welcoming	PROF N GOVENDER
09:05 – 09:10	Introduction of the Plenary Speaker	DR S NGEMA
09:10 – 09:45	Plenary Talk: The Role of Theory in Science Education Research	PROF MARTIN BRAUND
09:45 – 10:00	Respondent and Discussions	PROF U RAMNARAIN
SESSION 1: DISCUSSANT – PROF RONICKA MUDALY (UKZN)		
10:00 – 11:00	<i>Exploring the Integration of Community Cultural Wealth and Heritage of Practising Physical Sciences Teachers in Gauteng Schools: MUDZATSI, T & MAVURU, L</i>	
	<i>Indigenous Knowledge Systems Obtained Through Oral Tradition for Integration in Natural Science Practical Work: MLOTSHWA, S & TSAKENI, M</i>	
	<i>Crossing the River: Exploring Heat Energy Conservation with Traditional Brick Making: GODLO, L; NGCOZA, K & MUTANHO, C</i>	
SESSION 2: DISCUSSANT – DR CLIMANT KHOZA (UP)		
11:00 – 12:00	<i>Teachers' Beliefs and Pedagogy in Integrating Computer Simulations in Grade 10 Electric Circuits: DHLAMIN, T & GOVENDER, N</i>	
	<i>Teaching Strategies used by In-Service Physical Sciences Teachers to Support Learners' Learning of Organic Chemistry in Grade 12: KHUMALO, N; SIBANDA, D & GUMEDE, M</i>	
	<i>Understanding Grade 10 Learners Preferences of how they Should be Taught Physics: A Case of one School in Lesotho: LEPHATSI, M & QHOBELA, M</i>	
12:00 – 12:30	REFRESHMENT BREAK	
SESSION 3: DISCUSSANT – PROF M QHOBELA (NUL)		
12:30 – 13:30	<i>Biology Teachers' Perspectives Regarding the Use of Videos That Integrate Indigenous Knowledge (IK): SHINANA, E; NGCOZA, K; MAVHUNGA, E & SIMUJA C</i>	
	<i>The Effectiveness of YouTube Videos in Developing Process Skills in Grade 10 Life Sciences: MBANJWA, N & JAMES, A</i>	
	<i>Perspectives and understanding of teachers towards Indigenous Knowledge Integration in the physical sciences curriculum: MZILIKAZI, B; NGCOZA, K; SIMUJA, C & MUTANHO C</i>	
SESSION 3: DISCUSSANT – DR CLEMENT SIMUJA (RU)		
13:30 – 14:45	<i>Robotics at a Secondary School in Lesotho: MOKITI, J; SINGH-PILLAY, A; GOVENDER, N & MOODLEY R.</i>	
	<i>Examining Alignment Between the Intended and Enacted Curricula with Respect to LGCSE Chemistry: A Case Study of Three Schools in Leribe: LETSIE, K; MAKHECHANE, M. & QHOBELA, M</i>	
	<i>Developing an AR application to support digital game-based inquiry learning of mitotic processes in Life Sciences: MASHISHI, T, RAMNARAIN, U & MYBURGH, H</i>	
	<i>Development of an Augmented Reality (AR) App to Enhance the Learning of Chemical Bonding: MNGUNI, N; MYBURGH, H & RAMNARAIN, U</i>	
14:45 – 14:55	<i>Quo Vadis?</i>	PROF K NGCOZA
14:55	Vote of Thanks	DR D SIBANDA