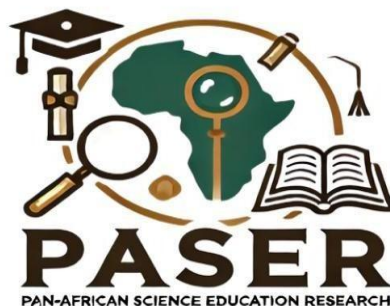




The 5th Pan-African Science Education Research (PASER) Postgraduate Student Conference hosted by Rhodes University - 2026

THEME: Sustainable Futures for Africa by Adapting to Changing Landscapes in Science Education

Kindly click <https://zoom.us/j/94502519370> to join the meeting

PROGRAMME: 24 July 2026

PROGRAMME CO-CHAIRS: Prof Clement Simuja & Prof Kenneth Ngcoza		
08:45 – 09:00	Opening and Welcoming	Prof. Clement Simuja
09:00 – 09:15	Official Start: Introduction of the Guests and Discussants Introduction of the Plenary Speaker by Prof Umesh Ramnarain	Prof Umesh Ramnarain
09:15 – 10:00	Guest Plenary Talk	Prof Heba EL-Deghaidy American University in Cairo, Egypt
10:00 – 10:10	Conference procedures	Prof Nadaraj Govender
SESSION 1: DISCUSSANT – Dr Chrispen Mutanho		
10:15 – 11:35	<i>Ubuntu Philosophy in Sustainability Education: Preservice Science Teachers’ Conceptualisations Through Lesson Planning and Collage Inquiry</i> by Anela Khowa	
	<i>Formative Assessment Practices of Secondary Biology Teachers in Leribe District, Lesotho</i> by Masupha Mokhakala	
	<i>Teacher Facilitation Strategies in Inquiry-Based Learning Environments: Effects on Academic Achievement In Basic Science Among Grade 8 Students in Oyo State Secondary Schools</i> by Hannah Bosede Bankole	
	<i>When Dramatic Content Gains Do Not Translate to Adaptive Pedagogy: A Rasch Analysis of Pre-Service Physical Sciences Teachers & Topic-Specific PCK for Kinematics Graphs</i> by Mpumelelo Gumede; Govender, N; Sibanda, D	
SESSION 2: DISCUSSANT – Prof Mafor Penn		
11:40 – 12:40	<i>The role of Arduino-assisted Robotics Coding Application in assessing the Efficacy of UTAUT2 Constructs in Physics learning</i> by Francis Akwasi Manu, Sam Ramaila and Umesh Ramnarain	
	<i>Trust in Artificial Intelligence Systems as a Distinct Predictor of Adoption Intention Among STEM Undergraduates in University of Ibadan</i> by Oloyede Gideon Oyewale	
	<i>Exploring the role of repurposed materials in students’ learning of robotics in under-resourced contexts</i> by Mokiti Lucas Janefeke; Govender, N; Singh-Pillay, A	
12:40 – 13:00	Break	

SESSION 3: DISCUSSANT – Dr Terungwa James Age		
13:10 – 14:50	<i>Balancing Language and Cognitive Load in Multilingual Science Classrooms: Design Insights from the Development of an Augmented Reality Application</i> by Lindiwe Mathonsi and Umesh Ramnarain	
	<i>The influence of video cases analysis on formative assessment practices of South African Life Sciences teachers’ reflection, and justifying their practices of enacting an inquiry-based pedagogy</i> by Thandiwe Boniswa Dlamini and Umesh Ramnarain	
	<i>Situating Pre-service Science Teachers in the Eye of the Storm: Reflections on Climate Change and Social Justice</i> by Elissa Josephine David	
	<i>Teacher-Student Interactions and Classroom Feedback Practices of Chemistry Teachers in Nigeria</i> by Jimoh Mutaheer Akangbe	
	<i>Teaching Physical Sciences in Changing Educational Landscapes: Exploring the Affordances and Challenges of Augmented Reality in South African Township Schools</i> by Gloria Makamu and Umesh Ramnarain	
14:50 – 15:05	Vote of Thanks	PROF Kenneth Ngcoza