



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type A post-doc fellowship

Dr ABOSEDE ABUBAKRE

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	ABUBAKRE
Name	ABOSEDE
Date of birth	[05, 02, 1982]

PRESENT OCCUPATION

Appointment	Structure
POSTDOCTORAL RESEARCH FELLOW	<p>Department of Science and Innovation – National Research Funds Centre of Excellence for Integrated Mineral and Energy Research Analysis (DSI-NRF CIMERA)</p> <ul style="list-style-type: none">• Magnetostratigraphy and assessment of core and wireline logs, facies analysis and sequence stratigraphy of AngloGold Ashanti exploration drill core from the Witwatersrand Basin.• Presentation of results to industry and local/international technical conferences.• Preparation of manuscripts for publication in peer-reviewed journals.

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	BSc GEOLOGY	OLABISI ONABANJO UNIVERSITY	2006
Specialization	BSc HONOURS GEOLOGY	UNIVERSITY OF FORT HARE	2009
Master	MSc GEOLOGY	UNIVERSITY OF STELLENBOSCH	2012
PhD	GEOLOGY	UNIVERSITY OF JOHANNESBURG	2021
Degree of medical specialization			
Degree of European specialization			
Other			



REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date registration	of Association	City
01/02/2018	INTERNATIONAL ASSOCIATION OF SEDIMENTOLOGY (IAS)	BELGIUM
02/02/2008	THE GEOLOGICAL SOCIETY OF SOUTH AFRICA (GSSA)	SOUTH AFRICA
02/04/2020	THE SOCIETY FOR SEDIMENTARY GEOLOGY (SEPM)	USA
05/06/2020	THE GEOLOGICAL SOCIETY OF AMERICA (GSA)	USA
02/02/2009	THE SOCIETY OF PETROLEUM ENGINEERS (SPE)	USA
01/06/2009	THE SOCIETY OF EXPLORATION GEOPHYSICISTS (SEG)	USA

FOREIGN LANGUAGES

Languages	level of knowledge
ENGLISH	FLUENT

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2021- 2022	South African Department of Science and Innovation (DSI) and National Research Foundation (NRF) Postdoctoral grant (R291, 000)
2019	International Association of Sedimentology (IAS) travels grant to present a talk at the 34th meeting in Rome from 10th - 13th September 2019
2018	DSI-NRF-CIMERA travel grant (R120, 000) for a lab visit to Caltech
2017-2020	DSI-NRF CIMERA Doctorate research grant (R630, 000)
2009-2011	University of Stellenbosch MSc Research bursary
2008	University of Fort Hare Govan Mbeki Research tuition fee waiver and Honours bursary

TRAINING OR RESEARCH ACTIVITY

I have training and research experience in the application of paleomagnetic and rock magnetic techniques in sedimentary rocks. I have expertise in integrating sequence stratigraphy, core and wireline log, magnetostratigraphy, and rock magnetism of mudstones and shale lithologies in sedimentary basins.

My achievements include:

- Development of basin-scale subsidence, sedimentation and burial history of the SW Karoo Basin.
- Development of a magnetostratigraphic framework for organic matter rich Permian-aged mixed siliciclastic and carbonate rocks of the southern Karoo Basin.
- Regional correlation of the Karoo Basin based on identical system tracts and magnetic stratigraphy.
- Integration of magnetic stratigraphy with U-Pb SHRIMP and CA-TIMS ages of volcanic ash layers to improve the Permian geomagnetic polarity timescale.
- Quantification for the potential for waste heat recovery and reuse from manufacturing industries



PROJECT ACTIVITY

Year	Project
2021-2022	Magnetostratigraphy and assessment of core and wireline logs, facies analysis, and sequence stratigraphy of AngloGold Ashanti exploration drill core from the Witwatersrand Basin.
2017-2021	Sedimentology and magnetostratigraphy of Permian rocks of the southern Karoo Basin based on the integration of core and wireline logs, facies analysis, sequence stratigraphy, rock magnetism and paleomagnetism.
2009-2011	Basin-fill, subsidence analysis, sedimentation history and basin evolution of the Tanqua depocentre, southwest Karoo Basin of South Africa.
2008-2009	Hydrogeological mapping of Alice area, Eastern Cape Province, South Africa

PATENTS

Patent

CONGRESSES AND SEMINARS

Date	Title	Place
September 2021	A summary of findings of the DSI-NRF CIMERA KARIN scientific drilling project with emphasis on magnetic stratigraphy and chronostratigraphic correlation of the Permian Eccca Group rocks of the southern Karoo Basin.	Karoo deep drilling program 3000m drilling milestone integration workshop, South Africa
March 2019	Paleomagnetic and rock magnetic results of KZF-1 drill cores: magnetostratigraphic correlation of the Permian rocks of the SW Karoo Basin.	<i>Paleoproterozoic Mineralization (PPM) Colloquium</i> , March 2019, University of Johannesburg, South Africa.

PUBLICATIONS

Books
Basin fill of the Permian Tanqua Karoo, South Africa. Lambert Academic Publishing, 2012
Articles in journals
De Kock, M.O. and Abubakre, A.O. (2022). Permian magnetostratigraphy and end of the Kiaman Reverse Polarity Superchron from the southeast Karoo Basin, South Africa. <i>Journal of Earth and Space Science Open Archive</i> . doi:10.1002/essoar.10510861.1 Submitted and under consideration at <i>Journal of Geophysical Research: Solid Earth</i> .
Abubakre, A.O. and De Kock, M.O. (2021). Magnetostratigraphic age constraints of the Early Permian Eccca Group Rocks. <i>Gondwana Research</i> , 90, 220-240. https://doi.org/10.1016/j.gr.2020.11.009



Alao, A.O. and Mikés, D. (2011). Subsidence analysis of the Permian Tanqua depocentre, SW Karoo Basin, South Africa. *South African Journal of Geology*, 114 (3-4), 325-334. <https://doi.org/10.2113/gssaig.114.3-4.325>

Abubakre, A.O., De Kock, M.O. and Omosanya, K.L.O. A new sequence stratigraphic model for the rocks of southeastern Karoo Basin, South Africa. In review in *Journal of Sedimentary Research*.

Abubakre, A.O., De Kock, M.O. and Omosanya, K.L.O. Facies architecture, conceptual depositional model and sequence stratigraphic framework for the lower Ecca Group, south-western main Karoo Basin, South Africa. *Prepared for submission in the South African Journal of Geology*.

Congress proceedings

Abubakre, A.O. and De Kock, M.O. (2019). Magnetostratigraphic constraints of the Early Permian successions of the Ecca Group, southern Karoo Basin, South Africa. *34th Meeting of the International Association of Sedimentologists (IAS)*, Rome 10 –13th September 2019, Session 11. E -1937.

Abubakre, A.O. and De Kock, M.O. (2019). Magnetostratigraphy of the Early Permian and late Carboniferous rocks of the southern Karoo Basin, South Africa. *Conference: GSA 2019 Annual Meeting in Phoenix, Arizona, USA*. <https://doi.org/10.1130/abs/2019AM-333887>

OTHER INFORMATION

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: JOHANNESBURG, 05/05/2022

SIGNATURE