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PTDF-funded students (I)

Name	Department	Supervisor (main)	Project title	Date(s)
Abdulrahman Shuaibu	Civil Environm Eng	Robert Kalin	hydrology, hydraulics, and environmental, I will be focussing mainly on a sustainable urban	1 Jan 2021-
Abdulhakim Adeoye Shittu	U Cranfield	Ali Mehmanparast		
Yakubu Kasimu Galadima	Naval Architecture (NAOME)	Erkan Oterkus	Developing a peridynamic-based	1 Dec 2017-11 Aug 2023
Abdullahi Abdulkarim Daya	Naval Architecture (NAOME)	Iraklis Lazakis	Sustainable Shipping - Operation	1 Mar 2018-24 Apr 2024
Marzuq A. Ungogo	U Glasgow	Harry P. de Koning?		
Chinonso Ezenwajiaku	UCL	Midhat Talibi, Ramanarayanan Balachandran		
Ibrahim Lawal	Civil Environm Eng	Doug Bertram	Global Environmental Monitoring ar	1 Oct 2019-7 Dec 2023
Rufai Ahmad	Comput Inform Sci	Sotirios Terzis	The security of SCADA systems.It aims to come up with an effective	1 Oct 2019-
Oluwatosin Sarah Shokunbi	Pure Appl Chem	Christine Davidson	Assessment of Microplastics contamination of selected river environments in Southwestern	1 Mar 2022-28 Oct 2024
Asuquo Jackson Asuquo	Chem Process Eng	Jun Li	Formation of valuable products	1 Apr 2020-
Isah Abdulrasheed Jimoh	Electron Electr Eng	Hong Yue	Optimal control theory and	1 Oct 2021-
Jamiu Aladejana	Civil Environm Eng	Robert Kalin	Integrated Water Resources Management in coastal area of Ondo State, Southwestern Nigeria	1 Oct 2016-7 Jul 2020
Nura Umar	Maths & Stats	Alison Gray	Flood modeling and its impact to	1 Jan 2020-22 May 2024
Oyedotun Emmanuel Oyewole	Electron Electr Eng	Khaled Ahmad	Energy Storage and conversion,	1 Jan 2022-
Daniel Elaigwu Enenche	Pure Appl Chem	Christine Davidson	Microplastics (see row 10 above)	1 Apr 2023-

PTDF-funded students (II)

Blessing Ogoh-Orch	Pure Appl Chem	Aruna Ivaturi	Photocatalytic properties of Micro Titanium Dioxide and it's potential	1 Feb 2020-11 Apr 2024
Charles Anyaehiechukwu Mbama	Civil Environm Eng	Tara Beattie	Exploring municipal solid waste: a potential for energy development	1 Oct 2015-
Stephen Okwudili Ugwuanyi	Electron Electr Eng	James Irvine	Internet of Things for Industrial	1 Dec 2017-18 May 2023
Taiwo Samuel Ajayi	Electron Electr Eng	Olimpo Anaya-Lara	Novel generator technologies for	1 Jan 2018-24 Apr 2024
Nguamo Jessica Angula	Civil Environm Eng	Christine Switzer	The impact of oil spillage on the ecology of Nigeria: a case study of	1 Dec 2022-
Alamin Lamido Khamis	Civil Environm Eng	Christine Switzer	Novel absorbents for crude oil and refined product remediation spills	1 Feb 2024-
Yakubu Yakmut Saleh	Civil Environm Eng	Charles Knapp	Remediation of Crude Oil contaminated Underground water	1 Feb 2022-
Sunday Ukwe-Nya Yakubu	Architecture	Andrew Agapiou	National building Code	1 Jun 2016-28 Sep 2017
Bashiru Sani	Civil Environm Eng	Charles Knapp	Unveiling the Ecological Functions of Microbes in Soil Health and	1 Sep 2024-
Olanrewaju Roland Akinseye	Civil Environm Eng	Charles Knapp	Investigating the Ecological Impacts of Heavy Metals and PAHs	1 Jan 2024-
Abdulrahman Babagana	Electron Electr Eng	Graeme Burt	How to improve the reliability and economy of power system by using	1 Feb 2020-
Simon Achi Omerigwe	SIPBS	Hilary Carswell	In vitro models of stroke	1 Aug 2024-

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Journal of Hydrology:
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Geochemical evolution and mechanisms controlling groundwater chemistry in the transboundary Komadugu–Yobe Basin, Lake Chad region: An integrated approach of chemometric analysis and geochemical modeling



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Ibrahim Mohammed Lawal^{a c}

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hydrology:
studies (2025),
<https://doi.org/10.1016/j.hydro.2024.102098>

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Manuscript ID: 9798 | Primary Author: Hong Yue (+1 co-author) [Show less](#)



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Manuscript DOI: 10.1109/JOE.2024.3519680

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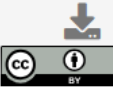
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Funder Identifier: 501100009614

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Grant No: 20PHD058

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Open Access Article

Hydrogeochemistry and Water Quality Index for Groundwater Sustainability in the Komadugu-Yobe Basin, Sahel Region

by Abdulrahman Shuaibu ^{1,2,*}  , Robert M. Kalin ¹  , Vernon Phoenix ¹ ,
Limbikani C. Banda ¹   and Ibrahim Mohammed Lawal ^{1,3}  

¹ Department of Civil and Environmental Engineering, University of Strathclyde, Glasgow G1 1XJ, UK

² Department of Water Resource and Environmental Engineering, Ahmadu Bello University, Zaria 810107, Nigeria

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* Author to whom correspondence should be addressed.

Water **2024**, *16*(4), 601; <https://doi.org/10.3390/w16040601>

Submission received: 19 January 2024 / Revised: 9 February

Published: 18 February 2024

(This article belongs to the Special Issue **Effect of Climate Change on Groundwater Resources**)

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 - *but not the PTDF*

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7. Acknowledgements

The authors would like to thank EPSRC, Centre for Innovative Manufacturing in Continuous Manufacturing and Crystallisation (Grant Ref EP/I033459/1) and Computationally Designed Templates for Exquisite Control of Polymorphic Form (Grant Ref EP/K039229/1) for funding this work.

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