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Academic (Teaching & Research) Professor
Earth and Environmental Sciences - Academic & Research
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Employment

Professor of Petroleum Geoscience

Academic (Teaching & Research) Professor
Earth and Environmental Sciences - Academic & Research
The University of Manchester
1 Aug 2019 → present

External Examiner

Universiti Teknologi Petronas
Perak Darul Ridzuan, Malaysia
1 Jan 2021 → 1 Jan 2024

External Examiner

University of Aberdeen
Aberdeen, United Kingdom
1 Jan 2021 → 1 Jan 2024

External Examiner

University College Dublin
Dublin, Ireland
1 Sept 2016 → 1 Sept 2019

External Examiner

University Of Malaya
Kuala Lumpur, Malaysia
1 Jun 2015 → 1 May 2018

Research outputs

Sharp-based shoreface sandstones in the Early Carboniferous sediments of the Awaynat Wanin area (western Libya)
Redfern, J., Frohlich, S., Petitpierre, L., Bodin, S. & Vachtman, D., 1 Jun 2021, In: Journal of African Earth Sciences. 178, p. 1 12 p.

Syn-depositional Mesozoic siliciclastic pathways on the Moroccan Atlantic margin linked to evaporite mobilisation
Redfern, J., Charton, R., Kluge, C., Bertotti, G., Fernandez-Blanco, D., Duval-Arnould, A. M. L. F. & Bryers, O., 1 Jun 2021 , In: Marine and Petroleum Geology. 128, 105018.

Predicting reservoir quality in exhumed basins: Insights from burial history modelling of the Illizi Basin, Algeria
Redfern, J., English, K. L., Corcoran, D. V., English, J. M. & Cherif, R. Y., Jan 2019, *EAGE/ALNAFT Geoscience Workshop 2019*. Houten: EAGE Publishing BV, p. 76 1 p. AA20

An integrated study of Permo-triassic basins along the North Atlantic passive margin: implications for future exploration
Redfern, J., Vining, B. A. (Editor) & Pickering, S. C. (Editor), Aug 2011, *Petroleum Geology: From Mature Basins to New Frontiers—Proceedings of the 7th Petroleum Geology Conference*. Vining, B. A. & Pickering, S. C. (eds.). UK: Geological Society

An integrated study of Permo-Triassic basins along the North Atlantic passive margin: Implication for future exploration
Redfern, J., Shannon, P. M., Williams, B. P. J., Tyrrell, S., Leleu, S., Fabuel Perez, I., Baudon, C., Štolfová, K., Hodgetts, D., Van Lanen, X., Speksnijder, A., Haughton, P. D. W. & Daly, J. S., 1 Jan 2010, *Geological Society Petroleum Geology Conference Proceedings*, 921 p. (Petroleum Geology Conference Proceedings).

Stratigraphic trapping potential in the Carboniferous of North Africa: developing new play concepts based on integrated outcrop sedimentology and regional sequence stratigraphy (Morocco, Algeria, Libya)
Redfern, J., Vining, B. A. (Editor) & Pickering, S. C. (Editor), 2010, *Petroleum Geology: From Mature Basins to New Frontiers—Proceedings of the 7th Petroleum Geology Conference*. Vining, B. A. & Pickering, S. C. (eds.). UK: Geological Society , Vol. 7. p. 725-734

Digital analysis brings renaissance for petroleum geology outcrop studies in North Africa
Redfern, J., Hodgetts, D. & Fabuel-Perez, I., 2007, In: First Break. 25

Canning Basin Grant Group glaciogenic sediments: part of the Gondwanan Permo-Carboniferous hydrocarbon province.
Redfern, J., REDFERN, J. & BPJ, W., 1 Aug 2002, *The Sedimentary Basins of Western Australia 3, Proceedings of the Petroleum Exploration Society of Australia, Perth*. Petroleum Exploration Society of Australia

Poster: Sedimentological facies analysis of the Permo-Carboniferous Grant Group from fully cored boreholes: the Canning Basin, Western Australia
Redfern, J., 1989, In: *Marine and Petroleum Geology*. 6, 4, p. 382 1 p.

Activities

Projects

Basins, stratigraphy and sedimentary processes

Brunt, R. (PI), Redfern, J. (PI), Huuse, M. (PI), Schroeder, S. (PI), Hodgetts, D. (PI), Hollis, C. (PI), Kane, I. (PI), Jerrett, R. (PI), Taylor, K. (PI), Flint, S. (PI), Gawthorpe, R. (PI), Bowman, M. (PI) & Bulot, L. G. (PI)

GeoEnergy and Energy Transition

Taylor, K. (PI), Redfern, J. (PI), Hollis, C. (PI) & Garwood, R. (PI)

Impacts

Development of predictive models for the distribution of hydrocarbon reservoir rocks in rift basins

Gawthorpe, R. (Participant), Hodgetts, D. (Participant), Redfern, J. (Participant), Hollis, C. (Participant) & Flint, S. (Participant)

New geological understanding reducing risk and uncertainty to improve economic exploitation of oil and gas resources across North Africa

Redfern, J. (Participant), Hollis, C. (Participant), Huuse, M. (Participant), Taylor, K. (Participant), Schroeder, S. (Participant), Finch, E. (Participant) & Hodgetts, D. (Participant)

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