University of Birmingham

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Emeritus Professor

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About

Professor Lloyd was appointed to the University of Birmingham in 1973 to set-up the Hydrogeology MSc Course and Research Group in Earth Sciences. The focus of the hydrogeology throughout has been to adopt a holistic approach to the subject. As Professor Lloyd's pre-University career was chiefly in desert environments his personal research was carried out predominantly in regional arid basins with a view to understanding long-term impacts on the abstraction of non-renewable groundwaters and the maintenance of regional flows through storage depletion.

Qualifications

FREng – Elected Fellow of the Royal Academy of Engineering 2000
D.Sc. – Hydrogeology, University of Birmingham 1985
F.I.C.E. – Fellow of the Institution of Civil Engineers 1984
Ph.D. – Hydrogeology, University of Bristol 1970
D.I.C. – Diploma in Engineering Geology, Imperial College, London 1962
F. Geol. – Fellow of the Geological Society of London 1959
B.Sc. – Geology, University of Bristol 1957

Biography

1957-1961 Geologist with British Overseas Geological Survey in British Guiana
1962-1965 Engineering geologist with Civil Engineering Consultants in Jordan
1965-1969 Hydrogeologist with Food and Agriculture Organization in Jordan
1970-1973 Hydrogeologist with British Institute of geological Sciences in Chile
1973- Hydrogeologist at University of Birmingham – present Emeritaus Professor

Awards

1981 – Whitaker Medal – Institution of water Engineers and Scientists
1990 – Aberconway Medal – Institution of Geologists
1990 – William Smith medal – Geological Society of London
2000 – President's Award – International Association of Hydrogeologists

Research

Research interests

Arid zone hydrogeology
Saline intrusion
Regional hydrogeology
Hydrochemistry

Current / recent research

Arid zone water resource management.

Professor Lloyd has extensive experience in arid zone hydrogeology having carried out research in the Sahara, Arabian Peninsula, Atacama, Central Australia and the Kalahari.

His most recent work has related to the development of regional groundwater management models in the Sahara and Arabian Peninsula.

Publications

Lloyd, J.W. 1969. The hydrogeology of the southern desert of Jordan. UNDP/FAO Pub. Tech. Rept. 1. Special Fund 212. 120p.

Lloyd, J.W. 1974. Importance of water resources in the development of the Chilean copper industry. Trans. Instn. Min. Met. 83. A63-66.

Lloyd, J.W. and Jeffery, R.I. 1983. Deep aquifer testing methods and data interpretation. Zeitschrift Deutschen Geologischen Gesellschaft Hydrogeologische Beitrage Nr. 8. Tubingen. 134. 871-884.

Lloyd, J.W. and Miles, J.C. 1986. Examination of the mechanisms controlling groundwater gradients in arid regional sedimentary basins. Water Resources Bulletin. Am. Wat. Res. Ass. 22, 3, 471-478.

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Lloyd, J.W., Binsariti, A., Salem, O., El Sunni, A., Kwairi, A.S., Pizzi, G. and Moorwood, H. 1997. The groundwater assessment for the Western Jamahiriya System Wellfield, Libya. Proc. 30th Int. Geol. Congr. 22, 258-269.

Lloyd, J.W. 2001. Groundwater vulnerability and re-use of water with reference to Saudi Arabia. Water Resources Development, 17, 2, 179-184.

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Lloyd, J.W. 2007. The difficulties of regional groundwater resources assessments in arid areas. Arabian Jl. Sci. Eng. Vol. 32, No. 1C, 35-47

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