

PhD theses completed within the GPRG

For further details of any thesis listed here, please contact Martin Fox (m.h.fox@sheffield.ac.uk, +44 (0)114 22 25736).

2004

Ian Andrew Watson

[Modelling of natural attenuation processes in groundwater using adaptive and parallel numerical methods](#)

Funding: The British Council

2003

Stephanie Croxford

[Evaluating the evolution of mine water contamination during the weathering of a UK Carboniferous Middle Coal Measure sequence](#)

Funding: Hosseim Farny Research Scholarship

2002

Wei Huang

[The role of transverse mixing of electron acceptors and carbon substrates in natural attenuation](#)

Funding: Environmental Agency and ORS (Overseas Research Scholarship)

Sam Trowsdale

[The depth of penetration of contamination in urban groundwater](#)

Funding: NERC

Fernando Wakida

[Potential nitrate leaching from housebuilding to groundwater](#)

Funding: National Council of Technology and Science, Mexico

Gary Wealthall

[Predicting DNAPL source zones in fractured rock](#)

Funding: EPSRC Waste and Pollution Programme

2001

Sean Burke

[Development and application of a kinetic reactor model for removal of dissolved Fe²⁺ from mine water discharges by surface catalysed oxidation](#)

2000

Adrian Steele

[DNAPL migration in variable aperture fractures](#)

Diego Corcho

[Biodegradation of MTBE and other ether oxygenates by a cyclohexane utilising culture](#)

Sponsored by: Shell International Oil Products (UK)

Beiyan Zhang

[Modelling groundwater flow to adit systems in UK Chalk aquifers](#)

Sponsored by: Environment Agency, Yorkshire Water Services, Thames Water Utilities Ltd, General Utilities, Anglian Water Services

Pipop Prabnarong

[Evaluation of risks in urban groundwater: a case study in Nottingham](#)

(Ph.D., University of Sheffield)

Sponsored by: Thai Government

Pre-2000

R.M. Davison, 1998

[Natural attenuation and risk assessment of groundwater contaminated with ammonium and phenolics](#) (Ph.D., Bradford University)

A. Berg, 1997

The response of soil weathering to climate change: laboratory and modelling studies (Ph.D., Royal Institute of Technology, Stockholm)

B. Strömberg, 1997

Weathering kinetics of sulphidic mining waste: an assessment of geochemical processes in the Aitik mining waste rock deposits (Ph.D., Royal Institute of Technology, Stockholm)

M. I Bright, 1997

Attenuation of organic components of landfill leachate in geochemically design landfill liners (Ph.D., University of Birmingham)

Weiwu Zhu, 1996

Coal tar DNAPLs in the subsurface environment and appropriate in-situ remediation technologies (MPhil, UMIST)

M. Malmstrom, 1996

The weathering of biotite : implications for the geochemistry of granite aquifers (Ph.D., Royal Institute of Technology, Stockholm)

S.N. Needham, 1996

The behaviour of atrazine and simazine within the Chalk aquifer (Ph.D., University of Birmingham)

M.H. Barrett, 1995

The transport of mixtures of organic contaminants in groundwater
(Ph.D., University of Birmingham)

A.C. Baker, 1994

The measurement of hydraulic and solute transport parameters in clays
(Ph.D., University of Birmingham)

M.W. Burston, 1994

Chlorinated hydrocarbon pollution of the Coventry region, UK
(Ph.D., University of Birmingham)

I. Jones, 1994

The development of a re-usable multilevel groundwater sampler for existing boreholes
(M.Sc. by research, University of Birmingham).

D.J. Williamson, 1994

Controls on the movement of organic micropollutants in UK aquifers
(Ph.D., University of Birmingham)

R.J. Andrews, 1993

The impact of sewage sludge application on nitrate leaching from arable land on the unconfined Chalk aquifer of East Anglia, England
(Ph.D., University of Birmingham)

D.A. Segar, 1993

The effect of open boreholes on groundwater flow and chemistry
(Ph.D., University of Birmingham)

R. Greswell, 1992

The modelling of groundwater rise in the Birmingham area
(MSc by research, University of Birmingham).

R.P. Ashley, 1991

Mechanisms controlling oil behaviour in the unsaturated Chalk
(Ph.D., University of Birmingham)

N.H. Neill, 1990

Computer modelling studies of the prediction of groundwater inflows to longwall coal mines
(Ph.D., University of Birmingham)

M.O. Rivett, 1988

Organic contamination of the Birmingham aquifer
(Ph.D., University of Birmingham)