

*David L. Higgitt*  
**Curriculum Vitae**

**1. PERSONAL RECORD**

Name: David Laurence HIGGITT  
Date of Birth: 9 March 1965  
Current Position: Professor  
National University of Singapore  
Family Status: Married, two children

***Education and Qualifications***

1987-1990 University of Exeter  
PhD in Geography, Faculty of Science, NERC Studentship  
"The use of caesium-137 measurements in erosion investigations."  
1984-1987 University of Oxford (Keble College)  
BA (Hons) in Geography  
First Class Honour Moderations, 1985  
First Class Honours, 1987.  
1976-1983 King Edward's School, Birmingham.  
4 A Levels: Geography (A), Mathematics (A), Economics (A), General Studies (A).

***Employment and Appointments***

2004-present **NATIONAL UNIVERSITY OF SINGAPORE**  
2009-present Professor of Physical Geography (with Tenure)  
2004-2009 Associate Professor  
2001 and 2003 Visiting Fellow, Visiting Senior Fellow  
1994-2003 **UNIVERSITY OF DURHAM, UK**  
2001-2003 Senior Lecturer in Geography  
1994-2001 Lecturer in Geography  
1990-1994 **LANCASTER UNIVERSITY, UK**  
Lecturer in Geography  
1987-1990 **UNIVERSITY OF EXETER, UK**  
Natural Environment Research Council funded research student

### ***Prizes and Awards***

2012	Chinese Academy of Sciences Visiting Professorship
2008	Faculty Teaching Excellence Award, National University of Singapore
2007	Faculty Teaching Excellence Award, National University of Singapore
2006	Faculty Teaching Excellence Award, National University of Singapore
2006	Visiting Fellowship, University of Queensland, Australia
2001	Gordon Warwick Award of the British Geomorphological Research Group (for contribution to geomorphological research excellence)
2001	University of Durham Excellence in Teaching Award
2001	Hwa Ying Visiting Scholar, Nanjing University, China
1997	Nanjing University Distinguished Visitor Award
1987	Herbertson Dissertation Prize (proxime accessit), University of Oxford
1985-7	Scholarship, Keble College, University of Oxford

## **2. RESEARCH IMPACT**

### ***Research Interests***

My research is concerned with the interaction between environmental change and earth surface processes. In particular, attention is focussed on sediment delivery processes – the temporal and spatial dynamics of sediment production and transfer and the extent to which it is sensitive to environmental change. This work encompasses themes of soil erosion assessment, construction of fluvial sediment and nutrient budgets and the interactions between erosion processes and surface characteristics. While understanding the nature and expression of earth surface processes is a rewarding task in its own right, my research programme is concerned with applying the results of geomorphological investigations to environmental management. A fourth theme of my work is therefore sustainability science. In addition to my scientific research interests I have a long track record in pedagogical research concerned with education and educational leadership in the environmental arena. This pedagogic research is intertwined with my broader interest in environmental sustainability where the boundary between teaching and research is fuzzy and each activity supports the other. (Please refer to the cover letter for a narrative of my research programme).

### ***Citation Data***

Data from Web of Science at 08/08/2012 (last annual review)

Total Career Citations (excluding self-citations) = 678  
(based on citations in Web of Science and excluding those on other databases)

For IR journal articles listed in ISI (57 outputs) there are 532 citations.  
An additional 146 citations for book chapters, non-ISI journal articles and mis-indexed articles cited in ISI journals.

H-Index = 14.

Number of articles with 10 or more citations = 20

### 3. RESEARCH ACTIVITY

#### *Research Students Supervised*

##### *Full time*

- 2011- Wen Xinayun, M Soc Sci. Sediment and carbon dynamics in the Pearl River Basin, China; funded by NUS Research Scholarship
- 2011- Jason Lin, M Soc Sci. Cave sedimentation, Mulu National Park; funded by NUS Graduate Teaching Assistantship
- 2011- Bernard Ng M Soc Sci. Carbon emissions from soil respiration in tropical environments; funded by NUS Graduate Teaching Assistantship
- 2011- Nguyen Canh Tien Trinh, PhD. Metal mobility in swamp forest soils; funded by Vietnamese Ministry of Education
- 2011- Zachary Smith, PhD. Hydro-social systems in Jakarta; funded by Global Asia Institute Research Grant and NUS Research Scholarship
- 2010- Wisa Wisesjindawat Fink, PhD Participatory GIS for environmental management, Mekong River; funded by Ministry of Education Research Grant and NUS Research Scholarship
- 2009-2012 Oon, Pei Shan, Stacy, M.Soc Sci Diatom and geochemical indicators of acidification, Singapore; funded by NUS Research Scholarship [now PhD scholar, Macquarie University, Australia].
- 2008-2013 Win, Swe Hlaing, M.Soc Sci. Erosion and sediment dynamics in the lower Irrawaddy, Myanmar; funded by NUS Research Scholarship
- 2006-2008 Lam Ruixiang, Daryl, M.SocSci. Predicting sediment flux in Marina Bay, Singapore; funded by Tropical Marine Science Institute, NUS [now PhD scholar, Griffith University, Australia].
- 1999-2002 Holliday, Victoria. Sediment transfer mechanisms in upland catchments, funded by European Union (Framework IV). Completed within 4 years [now consultant at t-three]
- 1999-2002 Rosser, Nicholas. Hydrological processes and slope evolution on stone-covered slopes, Jordan, funded by University of Durham. Completed within 3 years [now RCUK Research Fellow and Lecturer, Durham University]
- 1998-2002 Mills, Andrew. Peat slide dynamics and mechanisms, funded by University of Durham. Completed within 4 years [now Senior Engineering Consultant, Halcrow Group Ltd].
- 1994-1998 Dunsford, Helen. The response of alluvial fans and debris cones to changes in sediment supply, Upland Britain. Funded by University of

- Durham (Isabel Fleck Scholarship). Completed within 4 years [now Senior Lecturer, Northumbria University].
- 1994-1998 Lu, Xixi. Soil erosion and sediment yield in the Upper Yangtze China. Funded by Overseas Research Studentship. Completed within 4 years [now Professor, National University of Singapore].

## Research Grants and Income Generation

### *External Awards*

- 2013 **National Parks Board:** Biodiversity of Nee Soon Swamp Forest. Phase 2 (PI Liong Shue Yui, Tropical Marine Science Institute, D. Higgitt as co-PI). Total grant = S\$ 5.7 Million. DH component = S\$760,500, 3 years.
- 2013 **Ministry of Education – Tier 1.** Landslide dam on the Yangtze. Reconstruction of a mega-hazard. PI, S\$60,000, 2 years
- 2011 **Economic Development Board – Metal, Mineral and Materials Technology Centre:** Novel methods for detection of coal-bearing strata from remote sensing. PI (with collaborators in Engineering and CRISP), S\$278,000, 1.5 years.
- 2011 **Global Asia Institute:** River Rehabilitation: Alternative approaches to flood management in Asian Cities. PI, S\$220,000, 2 years.
- 2010 **National Parks Board:** Biodiversity of Nee Soon Swamp Forest Phase 1 (PI Liong Shue Yui, Tropical Marine Science Institute, D. Higgitt as co-PI). Total grant = S\$ 990,000. DH component = S\$150,000, 1.5 years
- 2010 **National Parks Board:** Stream Acidification in the Central Catchments S\$150,000. PI, 2 years
- 2008 **National Research Fund / Ministry of Education, Singapore:** Promoting Geospatial Literacy and Environmental Awareness with Participatory GIS. IDM Programme S\$590,640. PI, 3 years
- 2008 **Singapore Delft Water Alliance:** Marine Abiotic Programme: Turbidity in Coastal Waters Work Package S\$914,000. Liew Soo Chin (PI). D Higgitt leading package on terrestrial sediment input, 4 years
- 2008 **CENSAM (MIT Alliance):** Cyberinfrastructure for Environmental Modelling. J. Harward, MIT (PI), D. Higgitt (co-PI). S\$85,000 for NUS component, 1 year.
- 2007 **SEA-START** Water, sediment and carbon flux from large rivers to the South China Sea: A case study of the Pearl River. Lu Xixi, D. Higgitt, S.Zhang US\$15,000. 1.5 years
- 2006 **Public Utilities Board (PUB), Singapore:** Fate and characteristics of sediments in marginal catchments of Singapore: Implications for reservoir development. J. Obbard (PI) D. Higgitt co-PI. S\$225,000. 3 years
- 2006 **Royal Geographical Society (with the Institute of British Geographers)** Expedition Award: Closing the mass balance of the Himalayas – Irrawaddy and Salween sediment loads, Myanmar. Michael Bird (PI) 6 co-PIs. £10,000. 1 year
- 2006 **SEA-START** Nutrient dynamics in a headwater tributary in SE Asia: Chatchai Tantasarin (PI). D. Higgitt and 3 others co-investigators. US\$12,000. 1.5 years

- 2005 **SEA-START** Human Impacts on Water, Carbon and Sediment Fluxes in the Southeast Asian Region: Modeling and Field Approaches (IGBP Carbon and Water Project) D Higgitt and Lu Xixi US\$ 20,000. 1.5 years
- 2004 **Ministry of Education** via FASS Research Committee. Sediment and Biogeochemical fluxes in tropical forest catchments: A sediment budget approach. D.Higgitt (PI) S\$ 50,000. 2 years
- 2003 **SEA-START** Modelling spatial and temporal dynamics of sediment and carbon delivery to the South China Sea (IGBP South China Sea Pilot Project). Lu Xixi and D. Higgitt US\$ 19,000. 1.5 years
- 2003 **Ministry of Education** via FASS Research Committee. Quantification of suspended sediment concentration in large Asian rivers by remote sensing. Lu Xixi (PI) **D. Higgitt** (external collaborator) S\$ 51,140. 2 years
- 2001 **Ministry of Education** via FASS Research Committee. Modelling sediment yield in large Asian Rivers. Lu Xixi (PI), **D. Higgitt** (external collaborator) S\$ 54,550. 2 years
- 2000 **Royal Geographical Society (with the Institute of British Geographers)** Ralph Brown Expedition Award: Yangtze 2000. **D. Higgitt** (Main applicant), £5,000. 1 year
- 1999 **European Union** Framework 4: WARMICE Water Management in a Changing Environment: Impacts of Sediment on Sustainability, , 1999-2001. Lead Institution: University of Durham - S. White (PI), **D. Higgitt**, J. Warburton. Partner Institutions, Institute of Pyrenean Ecology, Spain; Institute of Water Management and Hydraulic Engineering, Austria. 450,000 ECU. 3 years
- 1999 **European Union** Concerted Action INCO-DC: Agriculture and Urbanisation in the Mediterranean Region: Enabling Policies for Sustainable Use of Soil and Water, 350,000 ECU, 1999-2002. Lead Institutions: Centre International de Hautes Etudes Agronomiques Mediterraneennes, Paris, France and Polytechnic of Bari, Italy. **D. Higgitt** as UK partner in project. 4 years
- 1997 **HSBC Holdings** Small Grant Scheme: Interaction of erosion and acidification in land degradation, Southern China, £1000. **D. Higgitt** (individual award). 1 year
- 1992 **British Council** Academic Links with China Scheme: Soil Erosion and Land Degradation in subtropical southern China. **D Higgitt** (then Lancaster University) and Bao Haosheng, Nanjing University, £7,000, 4 years.
- 1991 **Scottish Natural Heritage** Wilf Nelson Rum Bursary (field visit, fluvial geomorphology), £100. 1 year
- 1987 **NERC** Studentship, University of Exeter 1987-1990. (3 years)
- 1987 **Griffith Travel Bursary**, Keble College Oxford (to support fieldwork in China), £1500. 1 year

#### *Other Internal Research Awards*

- 2011 **National University of Singapore**, Space and Capital Funds. Renovation and equipping of GeoLab, S\$1.38 Million
- 2009 **National University of Singapore**, International Relations Office. Support for Workshop for IARU Low Carbon Cities Project, S\$6,500
- 2007 **National University of Singapore** FRC Conference Organisation Grant: International Association of Geomorphologists, Malaysia. S\$ 19,200. 1 year

- 2006 **National University of Singapore** Environmental Engineering Seedfund. Fate and Transport of Contaminants in Coastal Water Catchments of Singapore. S\$ 250,000. PI A/P Jeff Obbard, DESE. 10 co-PIs. 3 years
- 2005 **National University of Singapore** FASS FRC Conference Organisation Grant Workshops on Environmental Processes and Change in the Tropics and on River Basin Dynamics S\$ 12,400. 1 year
- 1998 University of Durham **Special Equipment Fund** Impacts of sediment delivery on water resource management **D. Higgitt**, Y. Zong, £14000.
- 1997 University of Durham **Special Equipment Fund** Environmental magnetism in sediment tracing and stratigraphical applications **D.Higgitt**, J. Warburton, T. Burt, W. Austin, £3700
- 1997 University of Durham **Special Equipment Fund** Integrated data acquisition system for Earth Surface Systems research, J.Warburton, **D.Higgitt** and R. Allison, £12427
- 1997 **Royal Society** Conference Grant to attend International Association of Geomorphologists Conference, £550.
- 1996 **NERC AMS / Radiometric Radiocarbon Dating** Allocation: No 663/00896 £7,000. R. Allison, **D. Higgitt**, H. Dunsford.
- 1996 University of Durham **Young Staff Award** Strategies for the assessment and rehabilitation of land degradation, £5000. 2 years
- 1995 University of Durham **Special Equipment Fund** Sediment production, transfer dynamics and hillslope development in arid environments **D Higgitt**, J. Warburton, R. Allison, £13000
- 1994 University of Durham **Special Equipment Fund** Weathering, sediment production and transfer dynamics, R. Allison, **D.Higgitt**, J. Warburton, D. Donoghue, Y. Zong, £30000.

#### *Teaching Development Grants*

- 2011 **National University of Singapore**, Centre for Development of Teaching and Learning – Teaching Enhancement Grant. Student centred fieldwork in large modules. S\$11,000
- 2008 **National University of Singapore**, International Relations Office. To run undergraduate fieldtrip in Sarawak (ASEAN Summer Programme) S\$27,000
- 2007 **National University of Singapore**, International Relations Office. To run undergraduate fieldtrip in Sabah (ASEAN Summer Programme) S\$30,000
- 2002 **HEFCE (FDTL 39/99)** Integrating Work-Related Learning into the Curriculum. Fieldwork Practice: £2500 D Higgitt (individual award as sub-project of “Real World” coordinated by University of Newcastle, UK). 2 years
- 2002 **Durham Research Projects in Learning and Teaching**: Effective fieldwork – evidence and enhancement: £3676. **D. Higgitt** (individual award)
- 2001 **Durham Excellence in Teaching Award**: £10000 **D. Higgitt** (individual award)
- 1998 **TLIAG (Durham)** Developing Self-paced Courseware in Level One Geography: Phase 2, £3530, 1998-9. **D. Higgitt** (individual award)
- 1998 **European Union**: EU-China Higher Education Programme. Contract holder for 12 month visiting studentship, 1998-9.
- 1996 **TLIAG (Durham)** Developing and Augmenting Self-paced Courseware in Level One Geography, £3329, 1996-7. **D. Higgitt** (individual award)

- 1995 **Teaching and Learning Technology Programme Phase 2** Contributor to GeographyCAL project, co-ordinated by University of Leicester CTI Centre for Geography and Meteorology.
- 1992 **Teaching and Learning Technology Programme Phase 1** Novel Approaches to Teaching Quantitative Methods to Geography Undergraduates Geography NW Consortium – University of Liverpool (lead), Lancaster University, University of Manchester, £163000, 1992-95. **D. Higgitt** co-ordinator of Lancaster contribution. 3 years.
- 1992 **Enterprise in Higher Education** (Lancaster University) Improving fieldwork provision for increasing student numbers, £10000. **D. Higgitt** (Individual award) 1 year

### **Leadership in National and International Organisations**

**Asia Oceania Geosciences Society:** Secretary General (2011-2015)

Member of Council (2007-2015. Two terms)

Treasurer (2007-2011)

AOGS is an international broad-based geosciences society established in 2003 which holds annual meetings. Membership has grown to over 4000 and the last annual conference (a joint assembly with AGU) attracted over 2000 participants. As SG I will chair the programme committee for upcoming 2013 conference in Brisbane and 2014 edition in Sapporo. I chaired local advisory committee for Singapore conferences in 2009 and 2012 (and 2015). I am contract holder for development grants from Singapore Tourist Board for 2012 and 2015 meetings.

**International Association of Geomorphologists:** Executive Committee Member (2005-2009 and 2009-2013) – responsibility for media relations and SE Asia

Singapore Branch of the Royal Geographical Society: Chair

The RGS group organises a series of public lectures on academic and exploration themes. Strong support from British High Commission.

British Geomorphological Research Group: Executive Committee Member (1996-1999) Editor of *Geophemera*

### **Membership of Editorial Boards**

**Journal of Geography in Higher Education** (published by Routledge Journals [Taylor & Francis])

Co-Editor (2002 to present). Editorial Board member since 1997.

*JGHE* is committed to promote, enhance and share geography learning and teaching in all institutions of higher education throughout the world, and provides a forum for geographers and others, regardless of the specialisms, to discuss common educational interests, to present the results of

educational research, and to advocate new ideas impacting on Geography and cognate disciplines.

Latest Impact factor = 1.156

**Singapore Journal of Tropical Geography** (published by Wiley)

Co-Editor (2012 to present)

*SJTG* is an international, multidisciplinary journal jointly published three times a year by the Department of Geography, National University of Singapore, and Blackwell Publishing. The *SJTG* provides a forum for discussion of problems and issues in the tropical world.

Latest Impact Factor = 0.872

**Geography Compass** (published online by Wiley)

*Geography Compass* publishes peer-reviewed surveys of the most important research and current thinking from across the discipline. The journal's emphasis is upon state-of-the-art reviews, supported by a comprehensive bibliography and accessible to an international readership of geographers and scholars in related disciplines. I am on the editorial team of the Environment and Society section.

**Journal of Mountain Science** (Published by Chinese Academy of Sciences and Springer)

EB Term 2013-2015

*JMS* publishes research and technical papers on mountain environment, mountain ecology, mountain hazards, mountain resources and mountain development. It is produced by the Institute where I recently was a Visiting Professor.

Latest Impact Factor = 1.00

**RGS-IBG Book Series (Published by Wiley)**

EB Term (2011-2015)

**Membership of Conference Committees**

Invited Session Convener: 8<sup>th</sup> International Geomorphology Conference, Paris, France, August 2013

Chair of Program Committee: 10<sup>th</sup> and 11<sup>th</sup> Annual Asia Oceania Geosciences Conferences (Brisbane, Australia, June 2013; Sapporo, Japan, July 2014)

Chair, Local Advisory Committee: Joint Assembly of Asia Oceania Geosciences and American Geophysical Union, Resorts World, Singapore, August 2012.

Co-Chair, Local Advisory Committee: 6<sup>th</sup> Annual Asia Oceania Geosciences Conference, Suntec City, Singapore, August 2009.

Invited Session Convener: 7<sup>th</sup> International Geomorphology Conference, Melbourne, Australia, July 2009.

Main Organiser and Chair: International Association of Geomorphologists regional Conference, Kota Kinabalu, Malaysia, June 2007.

Convener Session on Education for Sustainable Development, IGU Congress, Glasgow (special issue produced), August 2004.



Convenor Session on Education for Sustainable Development, RGS-IBG Annual Conference, London (special issue produced), September 2003.  
Convenor of Symposium on “Geomorphological Processes in the Last 1000 Years” RGS-IBG Annual Conference (book produced), January 2000.

### **Invited Presentations**

#### ***Keynote Lectures***

British Society of Geomorphology Workshop on Geomorphology in China and Southeast Asia, University of Nottingham, Ningbo, China, September 2012.  
Erosion Control Engineering Symposium, Hokkaido University, Japan, September 2011.  
Brazilian Geomorphologists’ Conference, Recife, Brazil, September 2010 (unable to travel)  
EU Conference “Local Resources and Global Trades – Environments and Agriculture in the Mediterranean Region”, Rabat, Morocco, April 2002.  
International Association of Geomorphologists Yangtze Fluvial Conference, Shanghai, China, November 1999

#### ***Other Invited Conference Presentations***

“Flood Hazard and Sustainability: Integrated Catchment Management through River Rehabilitation” Chinese Academy of Sciences, “Home for Foreign Experts”, Beijing, June 2012.  
“Landslide Hazards” AOGS Public Lecture Series, Singapore, Temasek JC, July 2009  
“United Nations Decade of Education for Sustainable Development” Singapore National Sustainability Conference, February 2009.  
“Promoting geospatial literacy with participatory GIS” 4<sup>th</sup> International Conference on Multimodality (4-ICOM), Singapore Management University, 30 July 2008  
“Communicating Environmental Change” Southeast Asian Geographical Association International Forum, National Library, Singapore, 28 July 2007. Invited speaker for panel on Education, Environment and Media.  
“Living with natural hazards – the role of the media” Southeast Asian Geographical Association Conference, Singapore 28 November 2006. Invited speaker for panel on Living with Natural Hazards

#### ***Invited University Research Seminars and Guest Lectures***

2012	Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, Chengdu, China
2012	Institute of South Asia Studies, NUS
2012	Dongchuan Debris Flow Observatory, Chinese Academy of Sciences, Yunnan, China
2010	FASS Dean’s Lecture Series, NUS
2010	Singapore Delft Water Alliance Seminar Series, NUS
2008	University of North Carolina, Chapel Hill, USA (Department of Geography)
2007	NUS School of Design and Environment MEM Programme
2006	Macquarie University, Australia (Department of Physical Geography)

- 2006 Queensland Department of Natural Resources and Mining, Rockhampton, Australia
- 2006 Monash University, Australia (School of Geography & Environmental Sciences)
- 2006 University of Queensland, Australia (School of Geography, Planning & Architecture)
- 2005 NUS Faculty of Science Frontiers in Science Symposium (NUS, NTU, Taiwan and Nanjing University)
- 2003 University of Hull, UK (Department of Geography)
- 2003 University of Manchester, UK (Department of Geography)
- 2003 National University of Singapore (Department of Geography)
- 2002 Miami University, Ohio, USA (Department of Geography)
- 2002 University of Kentucky, Lexington, USA (Department of Geography)
- 2001 East China Normal University, Shanghai, China (College of Natural Resources)
- 2001 Institute of Limnology and Geography, Chinese Academy of Sciences, Nanjing, China
- 2001 Nanjing University, China (Department of Urban and Resources Management)
- 2001 National University of Singapore (Department of Geography)
- 2000 University of Dundee, UK (Department of Geography)
- 2000 University of Nottingham, UK (Department of Geography)
- 1999 University of Exeter, UK (Department of Geography)
- 1997 Nanjing University, China (Department of Urban Resources and Environment)
- 1995 University of Oxford, UK (School of Geography)
- 1993 University of Durham, UK (Department of Geography – prior to appointment)
- 1992 University of Liverpool, UK (Environmental Magnetism Group)
- 1991 Lancaster University (Division of Environmental Sciences)
- 1988 Institute of Loess and Quaternary Research, Chinese Academy of Sciences, Xian, China
- 1988 Sichuan University, Chengdu, China (Department of Physics)

#### 4. TEACHING AND LEARNING

##### TEACHING HISTORY

##### *Courses Taught at NUS*

Level	Title / Description
Postgraduate	GE6216 Changing Nature of Physical Geography GE6770 Graduate Research Seminar GE5217 Environmental Research Methods
Level 4000	GE4101 Development of Geographic Thought

	GE4211 Catchment Processes and Management GE4880A Topics in Geography (Fieldcourse module)
Level 3000	GE3221 Ecological Processes GE3223 Environmental Change in the Tropics GE3231 Natural Hazards GE3239 Environmental Sustainability
Level 2000	GE2219 Climate, Water and Environment GE2229 Water and Environment
Level 1000	GE1101E Place, Nature and Society

***Courses Taught at University of Durham since 2000***

Level	Title / Description
Postgraduate	Contributor to Postgraduate Research Training and Methods Course
Level 4	M.Sc. Geomorphology and Environmental Change: lectures, practicals, field classes, dissertation supervision (and Acting Director Jan-Sept, 2000)
Undergraduate Level 3	Convenor, Integrated Catchment Management
Level 2	Convenor, Drylands Convenor, Karst, Contributor to Geographical Research
Level 1	Convenor, Physical Geography, Convenor, IT for Geographers.

***Examining and Reviewing Experience***

- External Review Panel, Center for Spatial Information Systems, University of Tokyo, May 2013.
- Appointed External Examiner for Physical Geography and Environmental Management degrees, University of Gloucester (but unable to take up due to move to Singapore)
- External Assessor, Diploma in Upland Management, Craven College, North Yorkshire (1992-95)
- Moderator, Managing the Environment Unit, Open College for the NW (HE Access Course) (1990-93)

External Examiner for 2 PhD theses

Internal Examiner >20 PhD and Masters Theses

### ***Case for Teaching Excellence***

Awarded University of Durham Excellence in Teaching Award, 2001  
Awarded Faculty of Arts and Social Sciences, NUS, Excellent Teacher Award, 2006, 2007, 2008

The claim for excellence was made on the basis of three types of evidence:

- Commitment to teaching innovation and professional development (including grants received for teaching development)
- Publications related to good practice in learning and teaching
- Contribution to national and international initiatives in higher education (with particular emphasis on fieldwork design)

### ***Contribution to Professional Journal and Discipline Networks***

Steering Group of LTSN-GEES, the subject centre for Geography, Earth and Environmental Sciences (2003-2004)

Joint Editor of *Journal of Geography in Higher Education* (since September 2002); Editorial Board Member since 1997.

Secretary of the Higher Education Research Group (of the Royal Geographical Society/Institute of British Geographers) (1999-2003).

Published several journal articles (see publication list) and a regular column for a Geography A-Level magazine.

## **5. ADMINISTRATION and SERVICE**

### **Media**

I am in strong demand in Singapore as a media commentator on environmental news stories (earthquakes, volcanoes, haze, climate change, flooding). I contribute several TV, radio and newspaper interviews per year.

### ***Membership of Committees and Working Groups***

#### *University and Faculty Administrative Responsibilities*

- Faculty Promotion and Tenure Committee (since July 2010)
- Senate Delegacy (elected from July 2010)
- Faculty Curriculum Review Committee (2005-07)
- Crisis Management Team
- Interviewer, Discretionary Admission Exercise (2008-2010)

### *Departmental Administrative Responsibilities*

- Deputy Head (January to June 2010)
- Co-ordinator, Research Group in Tropical Environmental Change (2006-2010)
- Chair, Departmental Teaching Committee (2010-2012)
- Chair, Graduate Sub-Committee (2010-2012)
- Department Executive Committee (2006-2012)
- Honours Co-ordinator (2004-2011)
- Laboratory Coordinator overseeing renovation and procurement
- Chair, Safety Committee

### *Selected Administrative Duties in previous appointments*

2002	Convenor, Earth Surface Systems Research Group, Durham
2001-2003	Undergraduate Admissions Tutor, Durham
1999-2001	Director of Services - responsible for room allocation, departmental laboratories and facilities. Elected position represented on DMG (Departmental Management Group)
1999-2002	Member of DMG (Department Management Group)
1999-2001	Chair, Laboratory, Equipment and IT Committee
2000	Acting Director, MSc in Geomorphology and Environmental Management
1998-2000	Chair, Health and Safety Committee
1994-2000	College Tutor, Hatfield College, Durham
1993-1994	Director, Environmental Management BSc degree, Lancaster
1992-1994	Elected Representative on University Court
1990-1994	Dean, Furness College – residential college at Lancaster University
1990-1994	University Disciplinary Committee

The wide range of experience and significant load of administrative responsibilities indicate that I have been trusted with many strategic developments.

## David L. Higgitt

### Publication List

- Bunnell, T.G. and Higgitt, D.L. 2013 The Singapore Journal of Tropical Geography in transition: An editorial update. *Singapore Journal of Tropical Geography*, 34(1), 1-2.
- Higgitt, D.L. (editor) 2012 *Perspectives on Environmental Management and Technology in Asian River Basins* (Dordrecht: Springer) 122pp.
- Higgitt, D.L. 2012 Environmental management and technology in Asian River basins: Introduction, in: Higgitt, D.L. (ed.) 2012 *Perspectives on Environmental Management and Technology in Asian River Basins* (Dordrecht: Springer), 1-10.
- Higgitt, D.L. 2012 Towards river rehabilitation as an integrated approach to flood management in Asian cities. *Advances in Geosciences* 29,
- Higgitt, D.L. 2012 Global education for global challenges. *Journal of Geography in Higher Education*, 36(1), 1-7.
- Higgitt, D.L. 2012 Large rivers and sediment cascades: Connectivity and discontinuity, *International Journal of Erosion Control Engineering*, 5(1), 9-15.
- Higgitt, D.L. and Lam, D.R 2012 Managing for extremes: Reframing flood mitigation in Asian cities. In: Grove, J.R. and Rutherford, I.D. (eds) *Proceedings of the 6th Australian Stream Management Conference: Managing for Extremes*, 6-8 February 2012, Canberra (Canberra: River Basin Management Society), 165-169.
- Higgitt, D. L. 2012 Source to sink: The geomorphology of sediment cascades. *Innovation Magazine*, 10(2), 40-43.
- Higgitt, D.L. 2011 AOGS to convene largest ever geosciences conference in Singapore. *Innovation Magazine*, 10(2), 72-73.
- Higgitt, D. L. and Brierley, G.J. 2011 New approaches to flood hazard in Asian Cities. *Innovation Magazine*, 10(2), 36-39.
- Higgitt, D. L. and Oliver, G.J.H. 2011 Earth Sciences at the National University of Singapore. *Innovation Magazine*, 10(2), 44-47.
- Bunnell, T.G., Higgitt, D.L, Savage, V.R. and Sidaway, J.D. 2011 The SJTG vision and the tropical mission. *Singapore Journal of Tropical Geography*, 32(1), 1-3.
- Higgitt, D.L. 2010 Sediment delivery and environmental change in Asian Rivers: Linking archives with field investigations. *Advances in Geosciences*, 17, 123-134.
- Higgitt, D.L. 2010 Continental-scale river basins. In: Burt, T.P. and Allison, R.J. (eds) *Sediment Cascades*, pp 377-402 (Chichester: Wiley-Blackwell)
- Higgitt, D.L. 2010 Geomorphic hazards and sustainable development. In: Alcantara-Ayala, I. and Goudie, A.S. (eds) *Geomorphological Hazards and Disaster Prevention*, pp. 257-268 (Cambridge: Cambridge University Press).
- Higgitt, D.L. 2010 Transition and renewal. *Journal of Geography in Higher Education*, 34(1), pp 1-5.
- Lu, X.X. and Higgitt, D.L. 2009 Soil erosion, landslides and sediment yields. In: Lebel, L., Snidvongs, A., Chen, A. C-T. and Daniel, R. (eds) *Critical States: Environmental Challenges to Development in Southeast Asia*, pp. 253-267 (Petaling Jaya: Strategic Information and Research Development Centre).

- Zhang, S.R., Lu, X. X., Sun, H.G., Han, J.T. and Higgitt, D. L. 2009 Major ion chemistry and dissolved inorganic carbon cycling in a human-disturbed mountainous river (the Luodingjiang River) of the Zhujiang (Pearl River), China. *Science of the Total Environment*, doi:10.1016/j.scitotenv.2008.12.036 in press.
- Zhang, S.R., Lu, X. X., Sun, H.G., Han, J.T. and Higgitt, D. L. 2009 Geochemical characteristics and fluxes of organic carbon in a human-disturbed mountainous river (the Luodingjiang River) of the Zhujiang (Pearl River), China. *Science of the Total Environment*, 407(2), 815-825.
- Higgitt, D.L. 2008 Approaching the UN Decade of Education for Sustainable Development: prospects and challenges. In: Chalkley, B., Haigh, M.J. and Higgitt, D.L (Eds) *Education for Sustainable Development: Papers in Honour of the United Nations Decade of Education for Sustainable Development (2005-2014)*, pp. 1-12 (London: Routledge).
- Higgitt, D.L. 2008 Geography, technology and society. *Journal of Geography in Higher Education*, 32(1), 1-5.
- Higgitt, D.L. 2008 Catchment management: from engineering to Imagineering. *Innovation (The Magazine of Research & Technology)*, 8(1), 38-40.
- Higgitt, D.L., Donert, K., Healey, M., Klein, P., Solem, M. and Vajoczki, S. 2008 Developing and enhancing international collaborative learning. *Journal of Geography in Higher Education*, 32(1), 121-133.
- Bird M.I., Robinson R.A.J., N. Win Oo, M. Maung Aye, Lu X,X., Higgitt, D.L., A. Swe, T. Tun, S. Lhaing Win, K. Sandar Aye, K. Mi Mi Win and Hoey, T.B. 2008. Preliminary estimate of organic carbon transport by the Ayerawady (Irrawaddy) and Thanlwin (Salween) Rivers of Myanmar. *Quaternary International*, 186, 113-122.
- Chalkley, B., Haigh, M.J. and Higgitt, D.L (Eds) 2008 *Education for Sustainable Development: Papers in Honour of the United Nations Decade of Education for Sustainable Development (2005-2014)* (London: Routledge), 307pp.
- Holliday, V.J., Warburton, J. and Higgitt, D.L. 2008 Historic and contemporary sediment transfer in an upland Pennine catchment, UK. *Earth Surface Processes and Landforms*, 32: 1841-1862.
- Zhang, S.R., Lu, X. X., Higgitt, D. L., Chen, A.C.T., Han, J.T. and Sun, H.G. 2008 Recent changes of water discharge and sediment load in the Zhujiang (Pearl River) Basin, China. *Global and Planetary Change*, 60 (3-4), 365-380.
- Higgitt, D L 2007 Geography in higher education in its place: Calling for interventions. *Journal of Geography in Higher Education*, 31(1), 1-4.
- Higgitt, D L. 2007 The science of scenery. *Asian Geographic*, 38, 7/2007, 33-34.
- Zhang, SR, Lu, X X Higgitt, D L Chen, TA Sun HG and Han, JT 2007 Water chemistry of the Zhujiang (Pearl River): natural processes and anthropogenic influences. *Journal of Geophysical Research*, 112, 1-17.
- Robinson, R. A. J., Bird, M. I. , Nay Win Oo, Hoey, T. B. Maung Maung Aye, Higgitt, D. L., Lu X. X., Aung Swe, Tin Tun and Swe Lhaing Win 2007 The Irrawaddy River sediment flux to the Indian Ocean: The original nineteenth-century data revisited, *Journal of Geology*, 115, 629–640.
- Higgitt, D.L. 2006 Making space for education for sustainable development in the enterprise economy. *Journal of Geography in Higher Education*, 30(2), 251-262.
- Higgitt, D.L. 2006 Understanding eruptions. *Asian Geographic*, 37(4/2006), 65-72.
- Higgitt, D.L. and Haigh, M.J. 2006 International advice. *Journal of Geography in Higher Education*, 30(1), 1-5.

- Fuller, I., Edmonson, S., France, D., Higgitt, D.L. and Ratinen, I. 2006 International perspectives on the effectiveness of geography fieldwork for learning. *Journal of Geography in Higher Education*, 30(1), 89-101.
- Lu, X.X. and Higgitt, D.L. 2006 Sediment Load. In: Trimble, S.W. (Ed.) *Encyclopedia of Water Science*, pp. 1-5 (DOI: 10.1081/E-EWS-120038077) (Dekker Encyclopedias: New York).
- Higgitt, D.L. 2005 Out of cite, out of mind? *Journal of Geography in Higher Education*, 29(1), 1-5.
- Higgitt, D.L., Haigh, M.J. and Chalkley, B. 2005 Towards the UN Decade of Education for Sustainable Development: Introduction. *Journal of Geography in Higher Education*, 29(1), 13-17.
- Yeloff, D. E., Labadz, J. C., Hunt, C. O., Higgitt, D. L. and Foster, I. D. L. 2005 Blanket peat erosion and sediment yield in an upland reservoir catchment in the southern Pennines, UK. *Earth Surface Processes and Landforms*, 30(6), 717-733.
- Higgitt, D.L. 2004 GPS and geomorphology. In: Goudie, A (Ed.) *Encyclopedia of Geomorphology*. (Routledge, London), Volume 1, 487-89.
- Higgitt, D.L. 2004 Urbanization and environmental degradation in Jordan. In: Sassen, S. (Ed.) *Human Resource System Challenge VII: Human Settlement Development*, in *Encyclopedia of Life Support Systems (EOLSS)*, Developed under the Auspices of the UNESCO, EOLSS Publishers, Oxford, [<http://www.eolss.net>].
- Higgitt, D.L. 2004 Land degradation, conservation and globalization: A Mediterranean perspective. *Options Méditerranéennes*, Series A, 57, 71-78.
- Higgitt, D.L. 2004 Pedagogy, popularity and problematic knowledge. *Proceedings of the 1<sup>st</sup> International Conference on Teaching and Learning in Higher Education*, Singapore 1-3 December 2004, 90-95.
- Higgitt, D.L. and Haigh, M.J. 2004 Contemplating pedagogy and the mainstream. *Journal of Geography in Higher Education*, 28, 3-8.
- Higgitt, D.L. and Lu, X.X. 2004 Investigating sediment delivery in large river basins. *Proceedings of the 2<sup>nd</sup> APHW Conference*, Singapore, 5-8 July 2004, Volume 2, 134-141.
- Higgitt, D.L. and Lu, X.X. 2004 Investigating sediment and carbon delivery from large Asian rivers, in Sidle, R.C., Tani, M., Abdul Rahim, N. and Tewodros Ayele, T. (eds) *Forests and Water in Warm Humid Asia*, Proceedings of a IUFRO Forest Hydrology Workshop, 10-12 July 2004, 185-187.
- Higgitt, D.L. 2003 Approaches to physical geography fieldwork. In: Rogers, A. and Viles, H. A. (Eds) *The Student's Companion to Geography*. (Blackwell, Oxford), 212-218.
- Higgitt, D.L. and Allison, R.J. 2003 *The North Yorkshire Coast: A Geomorphological guide to the coast between Saltburn and Flamborough Head*. British Geomorphological Research Group Field Meeting Guide.
- Haigh, M.J. and Higgitt, D.L. 2003 New faces and new directions at the Journal of Geography in Higher Education (JGHE). *Journal of Geography in Higher Education*, 27, 3-6.
- Holliday, V.J., Higgitt, D.L., Warburton, J. and White, S.M. 2003 Reconstructing upland sediment budgets in ungauged catchments from reservoir sedimentation and rainfall records calibrated using short-term streamflow monitoring. In: De Boer, D., Froehlich, W., Mizuyama, T. and Pietroniro, A. (Eds) *Erosion Prediction in Ungauged Basins: Integrating methods and Techniques* (Proceedings of Symposium HS01, Sapporo, July 2003), IAHS



- Publication No, 279. (International Association of Hydrological Sciences, Wallingford), pp 59-67.
- Warburton, J., Higgitt, D.L. and Mills, A.J. 2003 Anatomy of a Pennine peat slide, Northern England. *Earth Surface Processes and Landforms*, 28, 457-473.
- Higgitt, D.L. 2002 Overview: Sediment transfer dynamics. In: Allison, R.J. (ed.) *Applied geomorphology: Theory and practice*. (Wiley, Chichester), 115-124.
- Higgitt, D.L. 2002 Beyond the fringe: Environmental sustainability and urbanization in Jordan. In: Borri, D., Camarda, D. and Grassini, L. (eds.) *Sustainable Planning for Soil and Water: The Mediterranean*. (L'Harmattan Italia, Torino), 103-117.
- Higgitt, D.L. and Warburton, J. 2002 GPS: A tool for mapping the uplands. In: Burt, T.P., Thompson, D.B.A and Warburton, J. (eds.) *The British Uplands: Dynamics of change*. JNCC Report No. 319 (JNCC, Peterborough), 134-135.
- Mills, A.J., Warburton, J. and Higgitt, D.L. 2002 Peat mass movements: a world and regional database. In: Burt, T.P., Thompson, D.B.A and Warburton, J. (eds.) *The British Uplands: Dynamics of change*. JNCC Report No. 319 (JNCC, Peterborough), 166-167.
- Xiang, L., Lu, X.X., Higgitt, D.L. and Wang, S.M. 2002 Sedimentation in the middle and lower Yangtze basin, inferred from  $^{137}\text{Cs}$  and  $^{210}\text{Pb}$  measurement. *Journal of Asian Earth Sciences*, 21, 77-86.
- Higgitt, D.L. and Lee, E.M. (eds.) 2001 *Geomorphological processes and landscape change: Britain in the last 1000 years*. (Blackwell, Oxford), 297pp.
- Higgitt, D.L. 2001 A brief time of history. In: Higgitt, D.L. and Lee, E.M. (eds.) *Geomorphological processes and landscape change: Britain in the last 1000 years*. (Blackwell, Oxford), 1-26.
- Higgitt, D.L., Warburton, J. and Evans, M.G. 2001 Sediment transfer in upland environments. In: Higgitt, D.L. and Lee, E.M. (eds.) *Geomorphological processes and landscape change: Britain in the last 1000 years*. (Blackwell, Oxford), 190-214.
- Higgitt, D.L. and Lee, E.M. 2001 Geomorphology for the third millennium. In: Higgitt, D.L. and Lee, E.M. (eds.) *Geomorphological processes and landscape change: Britain in the last 1000 years*. (Blackwell, Oxford), 269-287.
- Higgitt, D.L. and Lu, X.X. 2001 Sediment delivery to the Three Gorges: 1 Catchment controls. *Geomorphology*, 41, 143-156.
- Lu, X.X. and Higgitt, D.L. 2001 Sediment delivery to the Three Gorges: 2. Local response. *Geomorphology*, 41, 157-169.
- Higgitt, D.L. 2001 Impact of rapid urban growth on sustainability of soil and water resources in Jordan. *Options Méditerranéennes, Series A*, 44, 223-232.
- Higgitt, D.L. 2000 Assessing and managing the soil erosion problem in southern China. In: Cannon, T. (ed.) *China's economic growth: Impact on regions, migration and environment*. (Macmillan Press, Basingstoke), 190-208.
- Higgitt, D.L. 2000 Impact of rapid urban growth on sustainability of soil and water resources in Jordan. In: Camarda, D. and Grassini, L. (eds.) *Interdependency between agriculture and urbanization: Conflicts on sustainable use of soil and water*. Proceedings of Tunis Meeting, April 2000. (CIHEAM-IAMB and Politecnico di Bari, Bari), 215-223.
- Higgitt, D.L. 2000 Living with large rivers. *Geography Review*, 13(5), 8-10.
- Higgitt, D.L. 2000 Heading for a breakdown. *Geography Review*, 14(1), 9-11
- Higgitt, D.L. and Lu, X.X. 2000 Determining variations in sediment yield in large river basins: an example of the Upper Yangtze. In: Stone, M., (ed.) *The role of erosion and sediment transport in nutrient and contaminant transfer*

- (Proceedings of the Waterloo Symposium, July 2000), IAHS Publ. No. 263. (International Association of Hydrological Sciences, Wallingford), 19-28.
- Higgitt, D.L., Lu, X.X. and Pu, L.J. 2000 Soil erosion assessment using <sup>137</sup>Cs: Examples from contrasting environments in southern China. In: Foster, I.D.L. (ed.) *Tracers in Geomorphology*. (Wiley, Chichester), 165-182.
- Allison, R.J., Grove, J.R., Higgitt, D.L., Kirk, A.J., Rosser, N.J. and Warburton, J. 2000 Geomorphology of the eastern Badia basalt plateau, Jordan. *Geographical Journal*, 166, 352-370.
- Lu, X.X. and Higgitt, D.L. 2000 Estimating erosion rates on sloping agricultural land in the Yangtze Three Gorges, China, from caesium-137 measurements. *Catena*, 39, 33-51.
- Lu, X.X., Wang, J. and Higgitt, D.L. 2000 NDVI and its relationships with hydrological regimes in the Upper Yangtze. *Canadian Journal of Remote Sensing*, 26, 418-427.
- Nairn, K., Higgitt, D.L. and Vanneste, D. 2000 International perspectives on fieldcourses. *Journal of Geography in Higher Education*, 24, 246-254.
- Higgitt, D.L. 1999 Another view of the Three Gorges. *Geology Today*, 15, 104-105.
- Higgitt, D.L. 1999 Extreme geography. *Geography Review*, 12(5), 6-7.
- Higgitt, D.L. 1999 Sculpted by ice: landforms of upland Britain. *Geography Review*, 13(2), 11-13.
- Higgitt, D.L. and Allison, R.J. 1999 Clast exposure on boulder-covered desert slopes. *Earth Surface Processes and Landforms*, 24, 111-125.
- Higgitt, D.L. and Allison, R.J. 1999 Characteristics of stone covers on the surface of basalt flows in arid, northeast Jordan. *Geomorphology*, 28, 263-280.
- Higgitt, D.L. and Bullard, J. 1999 Assessing fieldwork risk for undergraduate projects. *Journal of Geography in Higher Education*, 23, 441-449.
- Higgitt, D.L. and Lu, X.X. 1999 Challenges in relating land use to sediment yield in the Upper Yangtze. *Hydrobiologia*, 410, 269-277.
- Higgitt, D.L. and Lu, X.X. 1999 Sediment delivery from the Upper Yangtze catchment. In: Chen, Z. Y. (ed.) *Proceedings IAG Yangtze Fluvial Conference, Shanghai, China*. (East China Normal University, Shanghai), 47-64.
- Higgitt, D.L. and Warburton, J. 1999 Applications of differential GPS in upland fluvial geomorphology. *Geomorphology*, 29, 121-134.
- Higgitt, D.L. and Warburton, J. 1999 'Token Supervision': How to run group projects efficiently without compromising quality. In: Moore, I. and Exley, K. (eds.) *Innovations in science teaching 2*, SEDA Paper 107. (Staff and Educational Development Association, Birmingham), 41-46.
- Lu, X.X. and Higgitt, D.L. 1999 Sediment yield variability in the Upper Yangtze, China. *Earth Surface Processes and Landforms*, 24, 1077-1093.
- Lu, X.X. and Higgitt, D.L. 1999 A sediment budget for a small catchment in the Three Gorges area. In: Chen, Z. Y. (ed.) *Proceedings IAG Yangtze Fluvial Conference, Shanghai, China*. (East China Normal University, Shanghai), 96-109.
- Pu, L.J., Bao, H.S. and Higgitt, D.L. 1999 The application of new methods on land degradation study – a case study on Dongxi River Basin, Western Fujian, China. *Journal of Natural Resources*, 14, 55-61 (in Chinese).
- Higgitt, D.L. 1998 A drop in the ocean. *Geography Review*, 11(3), 13-15.
- Higgitt, D.L. 1998 The rainforest paradox. *Geography Review*, 12(1), 7-9.
- Higgitt, D.L. and Allison, R.J. 1998 Characteristics of the basalt boulder surfaces. In: Dutton, R.W., Clarke, J.I. and Battikhi, A.M. (eds.) *Arid land resources and*

- their management: Jordan's desert margin*, (Kegan-Paul International, London), 171-182.
- Higgitt, D.L., Bao, H.S. and Pu, L.J. 1998 Geomorphologic controls on soil degradation in Fujian Province, China. In: Cao, Z.H. (ed.) *International symposium on soil, human and environment interactions (Nanjing, China, 1997)*, (China Science Technology Press, Beijing), 135-142.
- Al-Homoud, A. S., Allison, R. J., Higgitt, D. L., White, K. and Sunna, B. F. 1998 Regional geologic environs and natural resources of Badia Sector, Jordan. *Environmental Geology*, 36, 18-26.
- Allison, R.J. and Higgitt, D.L. 1998 Slope form and associations with ground boulder cover in arid environments, northeast Jordan. *Catena*, 33, 47-74.
- Allison, R.J., Higgitt, D.L., Kirk, A.J., Warburton, J., Al-Homoud, A.S., Sunna, B.S. and White, K. 1998 Geology, geomorphology, hydrology, groundwater and physical resources. In: Dutton, R.W., Clarke, J.I. and Battikhi, A.M. (eds.) *Arid land resources and their management: Jordan's desert margin*, (Kegan-Paul International, London), 21-44.
- Lu, X.X. and Higgitt, D.L. 1998 Recent changes of sediment yield in the Upper Yangtze, China. *Environmental Management*, 22, 697-709.
- Lu, X.X. and Higgitt, D.L. 1998 Sediment yield mapping using GIS in the Upper Yangtze. In: Cao, Z.H. (ed.) *International symposium on soil, human and environment interactions (Nanjing, China, 1997)*, (China Science Technology Press, Beijing), 40-50.
- Pu, L.J., Bao, H.S., Peng, B.Z. and Higgitt, D.L. 1998 Distribution and assessment of soil and land degradation in subtropical China – a case study of the Dongxi River Basin, Fujian Province. *Pedosphere*, 8, 201-210.
- Pu, L.J., Bao, H.S., Peng, B.Z. and Higgitt, D.L. 1998 Preliminary study of using <sup>137</sup>Cs to estimate soil erosion rates in wind eroded area, China: Case study on the Korla Area, Xinjiang Autonomous Region. *Acta Pedologica Sinica*, 35, 441-449 (in Chinese).
- Warburton, J. and Higgitt, D.L. 1998 Harthope Burn peat slide: an example of slope channel coupling. In: Warburton, J. (ed.) *Geomorphological studies in the North Pennines*, (British Geomorphological Research Group, Durham), 92-104.
- Higgitt, D.L. 1997 Underground story: local variation in soils. *Geography Review*, 10(4), 19-21.
- Higgitt, D.L. 1997 The sand seas of Earth, Mars and Venus. *Geography Review*, 11(1), 10-12
- Barker, P.A. and Higgitt, D.L. 1997 Palaeohydrology and environmental change in drylands. In: Wilby, R.L. (ed.) *Contemporary hydrology*, (Wiley, Chichester), 273-316.
- Lu, X.X., Donoghue, D.N.M. and Higgitt, D.L. 1997 The relationship between NDVI and sediment transport: a case study in the Upper Yangtze, China. In: White, K. (ed.) *RSS97 Observations and Interactions*. (Remote Sensing Society, Nottingham), 310-315.
- Peng, B.Z., Pu, L.J., Bao, H.S. and Higgitt, D.L. 1997 Vertical zonation of landscape characteristics in the Namjagbarwa Massif of Tibet, China. *Mountain Research and Development*, 17, 43-48.
- Higgitt, D.L. 1996 The effectiveness of student-authored field trails as a means of enhancing geomorphological interpretation. *Journal of Geography in Higher Education*, 20, 35-44.
- Higgitt, D.L. 1996 Landscapes of limestone. *Geography Review*, 9(5), 7-9.

- Higgitt, D.L. 1996 Where the river runs deep. *Geography Review*, 10(1), 13-15.
- Higgitt, D.L. and Lu, X. 1996 Patterns of sediment yield in the Upper Yangtze basin, China. In: *Erosion and sediment yield: Global and regional perspectives (Proceedings of the Exeter Symposium, July 1996)*, IAHS Publication No. 236, (International Association of Hydrological Sciences, Wallingford) 205-214.
- Higgitt, D.L. and Rowan, J.S. 1996 Erosion assessment and administration in subtropical China: A case study from Fujian Province. *Land Degradation and Development*, 7, 1-10.
- Higgitt, D.L. 1995 The development and application of caesium-137 measurements in erosion investigations. In: Foster, I.D.L., Gurnell, A.M. and Webb, B.W. (eds.) *Sediment and water quality in river catchments*, (Wiley, Chichester), 287-305.
- Higgitt, D.L. 1995 Quantifying erosion rates from caesium-137 measurements: A comment on Elliott and Cole-Clark (1993): 'Estimates of erosion on potato lands on krasnozems at Dorrigo, N.S.W. using the caesium-137 technique. *Australian Journal of Soil Research*, 33, 709-714.
- Higgitt, D.L. 1995 Assessment of erosion and sediment delivery in a mountainous subtropical catchment, Fujian province, China. In: Singh, R.B. and Haigh, M.J. (eds.) *Sustainable reconstruction of highland and headwater regions*, (Balkema, Rotterdam), 299-306.
- Higgitt, D.L. 1995 Earth surface processes: the battle between force and resistance. *Geography Review*, 9(2), 13-15.
- Higgitt, D.L. and Haigh, M.J. 1995 Rapid appraisal of erosion rates on mining spoils using caesium-137 measurements. *International Journal of Surface Mining, Reclamation and Environment*, 9, 141-148.
- Higgitt, D.L., Walling, D.E. and Haigh, M.J. 1994 Estimating rates of ground retreat on mining spoils using caesium-137. *Applied Geography*, 14, 294-307.
- Higgitt, D.L. 1993 Soil erosion and soil problems. *Progress in Physical Geography*, 17, 461-472.
- Higgitt, D.L. and Walling, D.E. 1993 The value of caesium-137 measurements for estimating soil erosion and sediment delivery in an agricultural catchment, Avon, UK. In: Wicherek, S. (ed.) *Farm land erosion in temperate plain environments and hills*, Proceedings International Symposium, Saint-Cloud, Paris, May 1992; (Elsevier, Amsterdam), 301-315.
- Higgitt, D.L., Rowan, J.S. and Walling, D.E. 1993 Catchment scale deposition and redistribution of Chernobyl radiocaesium in upland Britain. *Environment International*, 19, 155-166.
- Froehlich, W., Higgitt, D.L. and Walling, D.E. 1993 The use of caesium-137 to investigate soil erosion and sediment delivery from cultivated slopes in the Polish Carpathians. In: Wicherek, S. (ed.) *Farm land erosion in temperate plain environments and hills*, Proceedings International Symposium, Saint-Cloud, Paris, May 1992; (Elsevier, Amsterdam), 271-283.
- Rowan, J.S., Higgitt, D.L. and Walling, D.E. 1993 The incorporation of Chernobyl-derived radiocaesium in reservoir sedimentary profiles. In: Duck, R.W. and McManus, J. (eds.) *Geomorphology and Sedimentology of Lakes and Reservoirs* (Wiley, Chichester), 55-71.
- Higgitt, D.L. 1992 Soil erosion and soil problems. *Progress in Physical Geography*, 16, 230-238.
- Higgitt, D.L., Froehlich, W. and Walling, D.E. 1992 Applications and limitations of Chernobyl radiocaesium measurements in a Carpathian erosion investigation, Poland. *Land Degradation and Rehabilitation*, 3, 15-26.

- Higgitt, D.L. 1991 Soil erosion and soil problems. *Progress in Physical Geography*, 15, 91-100.
- Zhang, X., Higgitt, D.L. and Walling, D.E. 1991 A preliminary assessment of the potential to use <sup>137</sup>Cs to estimate rates of soil erosion in the Loess Plateau of China. *Geochimica*, 9, 212-218 (in Chinese).
- Zhang, X., Higgitt, D.L. and Walling, D.E. 1990 A preliminary assessment of the potential for using caesium-137 measurements to estimate rates of soil erosion in the Loess Plateau of China. *Hydrological Sciences Journal*, 35, 243-252.