

## **CV**

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### **Profile**

Lorna Dawson is a principal research soil scientist at The James Hutton Institute, and a visiting Professor at the Robert Gordon University, Aberdeen, with over 25 years experience in conducting and managing research in soil-plant interactions. She leads research on the impact of tree colonization of moorland on carbon dynamics, and on tracking vegetation contributions through time in soil. She has developed the application of organic markers as a soil fingerprint both as an indicator of vegetation history, land use change and in forensic investigations. She lectures widely at various universities and on training courses, has supervised over 15 PhD projects and has published over 60 refereed journal papers.

Lorna was Principal Investigator and project leader of a major project funded by the Engineering and Physical Sciences Research Council (EPSRC), developing tools for soil characterisation for use in forensics. In addition, she was joint co-ordinator of an international Geoforensics network, funded by EPSRC and she is currently the Communications Manager on the Geoforensic International Network. She has coordinated sessions at the Crime Networks Meeting, London, 2007, 2008 and 2009, and has organised major conferences on environmental and criminal soil (SFI) and has recently co-edited a book on Geoforensics (Springer, 2009). She is currently co-organising an international conference on environmental forensics (INEF) in Cambridge, July 2011, is a fully trained expert witness in criminal law and has worked on over 15 forensic cases in the UK.

She is a Chartered Soil Scientist, a member of the British Society of Soil Science, a council member of the Institute of Professional Soil Scientists (2010-present) and a member of the Science and Technology Facilities Council, Science in Society panel (2008-present). She has considerable experience in knowledge exchange, has worked in Westminster, is responsible for resources for schools and has just completed a sabbatical working for the BBC, advising on programmes such as 'Countryfile' and 'Silent Witness'. She is responsible for the Hutton soil education resources and has recently developing a suite of remote learning tools with SAC. She recently won a Scottish Government grant to organise and perform in public debating events across Scotland, examining the interface between forensic science and literary fiction, which was awarded the best live science event in 2009.

## **Education and Career**

1980-1984 Aberdeen University, PhD. Soil Science.

1976-1979 Edinburgh University, BSc 2.1 (Hons.). Geography.

2011- Present Principal Scientific Officer, The James Hutton Institute.

2005-2011 B4-Principal Scientific Officer, Soils group, Macaulay Institute.

1998- 2005 B5-Senior Post Doctoral Scientist, Environmental Sciences group, Macaulay Land Use Research Institute.

1992-1998 B6-Post Doctoral Scientist, Soil Plant Microbial Interactions group, Macaulay Land Use Research Institute.

1984-1992 Higher Scientific Officer, Soil Fertility Department, Macaulay Institute for Soil research.

## **Recent related awards received**

2003 Daiwa Foundation and The Great Britain Sasakawa Foundation award.

2004 Royal Society Westminster MP-pairing scheme award.

2005 Royal Society of Edinburgh International Exchange Programme award

2005 The Royal Society conference award

2008 BSA Media fellowship.

2009 Communication In Science Award; Best live science communication event

2009... Chartered Scientist status

2010...Expert witness in Criminal Law, Cardiff University

2011 Science Communications Master class, University of the west of England.

2011 Visiting Professorship, Robert Gordon University

## **Recent related grants and projects**

Scottish Government. Theme 3. Land Use. WP 3.3 The soil, water, air interface and its response to climate change and land use change. April 2011- March 2016

SEERAD .WP 1.3. Ecosystem Services and Biodiversity. April 2011 to March 2016.

The International Union of Geological Sciences (IUGS) Initiative on Forensic Geology. <http://www.forensicgeologyinternational.org/>. April 2011- March 2015

NERC An evaluation of plant wax markers to reconstruct long term vegetation change in peat bog deposits. Joint with university of Aberdeen. April 2010- March 2011. [www.macaulay.ac.uk/projects/projectdetails.php?101468](http://www.macaulay.ac.uk/projects/projectdetails.php?101468)

Scottish Government Science Engagement Grants: 2009-2010. Murder, Mystery and Microscopes. [www.macaulay.ac.uk/mmm](http://www.macaulay.ac.uk/mmm)

Geoforensics and information management for crime investigation (GIMI).

EPSRC February 2006-January 2009. [www.macaulay.ac.uk/geoforensic/](http://www.macaulay.ac.uk/geoforensic/)

Integration of soil Fingerprinting: Techniques for Forensic applications (SoilFit).

EPSRC. October 2005-January 2009. [www.macaulay.ac.uk/soilfit/](http://www.macaulay.ac.uk/soilfit/)

Standardisation of soil forensic profiling and interpretation. ESR and GNS New Zealand, October 2007-September 2010.

SEERAD, Effective soil indicators (WP 3.2.2). April 2006 to March 2011.

SEERAD, Impact of land use change on soil functions (WP 3.3.3). April 2006 to March 2011.

SEERAD, Impacts on biodiversity in natural and semi-natural systems (WP 3.7.2). April 2006 to March 2011.

Micro-scale approaches to soil evidence (micro-ASE), Daresbury laboratories, October 2006 to September 2008.

Anthropogenic influences on carbon dynamics in peatlands, a joint project between MI, CEH and University of Aberdeen. September 2005 to August 2008.

NERC. Soil Biodiversity Program. Root feeders and C cycling. 1997- 2005.

### **Recent and Current PhD and MSc Students**

Paulene Curry. *Anthropogenic influences on carbon dynamics in peatlands* (Aberdeen University, PhD, awarded 2010)

Katarina Vaisanen. *Root dynamics in grassland systems* (Aberdeen University, PhD, awarded 2010)

Kevin Farrugia. *Chemical Enhancement of Soil based Footwear Impressions on Fabric*. (University of Strathclyde, PhD, 2008-present)

Yvete Eley. *Molecular and isotopic composition of organic compounds from higher plants: a useful tool for forensic provenancing* (University of East Anglia, PhD, 2010-present)

Sebastian Persch . *Fine root dynamics in different land-use treatments on tropical peat*. University of Goettingen, Tropical Silviculture and Forest Ecology CIFOR, PhD, FCT-Fundação para a Ciência e a Tecnologia, 2011-present)

Áurea Carvalho. *Application of Geology and Palynology in Forensic Research*. University of Porto, Faculdade de Ciências, Ambiente e Ordenamento do Território(2010-present)

Holly Montgomery. *Analysis of fatty alcohols in soil for forensic application* (Robert Gordon's University, MSc, 2011-present)

Barbara von der Lühe. *Investigation of Fatty Acids as Biomarkers indicating Pig Decomposition Site* (University of Hohenheim, Germany. MSc, 2011-present)

### **Selected Recent Refereed Publications**

Britton, A.J.; Helliwell, .C.; Lilly, A.; Dawson, L.A.; Fisher, J.M.; Coull, M.C.; Ross, J.(In press) An integrated assessment of ecosystem carbon pools and fluxes across an oceanic alpine toposequence. *Plant and Soil*.

Khalid, A.; Arshad, M.; Anjum, M.; Mahmood, T.; Dawson, L.A.(In press) The anaerobic digestion of solid organic waste. *Journal of Waste Management*.

Currey, P.A.; Johnson, D.; Dawson, L.A.; van der Wal, R.; Thornton, B.; Sheppard, L.; Leith, I.D.; Artz, R.R.E.(2011) Five years of simulated atmospheric nitrogen deposition have only subtle effects on the fate of newly synthesized carbon in *Calluna vulgaris* and *Eriophorum vaginatum*. *Soil Biology and Biochemistry*, 43, 495-502.

Koikkalainen, K.; Dawson, L.A.; Mayes, R.W.; Smith, J.U.(2011) Effect of plant species,

nitrogen fertilizer and grass age on the dynamics of intra-aggregate SOM. *Soil Biology and Biochemistry*. Published online

Currey, P.M.; Johnson, D.; Sheppard, L.J.; Leith, I.D.; Toberman, H.; Van der Wal, R.; Dawson, L.A.; Artz, R.R.E.(2010) Turnover of labile and recalcitrant soil carbon differ in response to nitrate and ammonium deposition in an ombrotrophic peatland. *Global Change Biology*, 16, 2307-2321.

Dawson, L.A.; Hillier, S.(2010) Measurement of soil characteristics for forensic applications. *Surface and Interface Analysis*, 42, 363-377.

Gastal, F.; Dawson, L.A.; Thornton, B.(2010) Responses of plant traits of four grasses from contrasting habitats to defoliation and N supply. *Nutrient Cycling in Agroecosystems*, 88, 245-258.

Ruffell, A. and Dawson, L.A. (2009) Forensic geology in environmental crime: Illegal waste movement and burial in Northern Ireland. *Environmental Forensics*, 1, 208-213.

Singh, B.K., Dawson, L.A., Macdonald, C.A., and Buckland, S.M. (2009) Impact of biotic and abiotic interaction on soil microbial communities and functions: A field study *Applied Soil Ecology*, Volume 41, 239-248

Macdonald, LA, Singh, BK, Thomas, N, Brewer, M, Campbell, CD and Dawson LA. (2008) Microbial DNA profiling by multiplex terminal restriction fragment length polymorphism for forensic examination of soil evidence and the influence of sample condition. *Journal Applied Microbiology*, 105, 813-821.

Paterson, E., Osler, G., Dawson, L.A., Gebbing, T., Sim, A. and Ord, B. (2008). Labile and recalcitrant plant fractions are utilised by distinct microbial communities in soil: independent of the presence of roots and mycorrhizal hyphae. *Soil Biology and Biochemistry*, 40, 1103-1113.

Picon-Cochard, C.; Pilon, R.; Revaillet, S.; Jestin, M.; Dawson, L.(2008) Use of near-infrared reflectance spectroscopy to predict the percentage of dead versus living grass roots., *Plant and Soil*, 317, 309-320.

Roumet, C., Cochard, C., Dawson, L.A., Joffre, R., Mayes, R., Brewer, M. and Blanchard, M. (2006) Quantifying species composition in root mixtures using two methods: NIR spectroscopy and plant wax markers. *New Phytologist*. 170, 631-638.

Brewer, M.J., Filipe, J.A.N., Elston, D.A., Dawson, L.A., Mayes, R.W., Soulsby, C. and Dunn, S.M. (2005). A hierarchical model for compositional data analysis. *Journal of Agricultural, Biological & Environmental Statistics*. 10, 19-34.

### **Books and book chapters**

Ritz, K.; Dawson, L.A.; Miller, D.R.(2009) Criminal and environmental soil forensics. *In: Criminal and Environmental Forensics (eds. K. Ritz, L.A. Dawson and D.R. Miller). Springer, p519. ISBN: 978-1-4020-9203-9*

Barclay, A.D.; Dawson, L.A.; Donnelly, L.J.; Miller, D.R.; Ritz, K.(2009) Soils in forensic science: underground meets underworld. *In: Criminal and Environmental Forensics (eds. K. Ritz, L.A. Dawson and D.R. Miller). Chapter 32, Springer, pp501-514. ISBN: 978-1-4020-9203-9*

Mayes, R.W.; Macdonald, L.M.; Ross, J.; Dawson, L.A.(2009) Discrimination of domestic garden soils using plant wax compounds as markers. *In: Criminal and Environmental Soil Forensics (eds. K. Ritz, L.A. Dawson and D.R. Miller). Chapter 29, Springer, pp463-476. ISBN: 978-1-4020-9203-9*

Morrisson, A.; McColl, S.; Dawson, L.A.(2009) The Soil Forensics University Network (SoilFUN): initial results from North West England. *In: Criminal and Environmental Soil Forensics (eds. K. Ritz, L.A. Dawson and D.R. Miller). Chapter 6, Springer, pp75-86. ISBN: 978-1-4020-9203-9*

Dawson, L.A.; Byers, R.A.(2008) Methods for studying root herbivory. *n: Root Herbivory (eds. S. Johnson, P. Murray and G. Masters). CAB International Chapter 1, pp3-19. ISBN: 978 1 84593 461*

Dawson, L.A.; Campbell, C.D.; Hillier, S.; Brewer, M.J.(2008) Methods of characterising and fingerprinting soils for forensic application. *In: Soil Analysis in Forensic Taphonomy (eds. M. Tibbett and D.O. Carter). CRC Press, pp271-315.*

Dawson, L.A., Towers, W., Mayes, R.W., Craig, J., Vaisanen, K. and Waterhouse, E.C. (2004) The use of plant wax signatures in characterising soil organic matter. Geological Society Special Publication 232, 269-276

### **Recent Invited Lectures**

Dawson, L.A.(2011) Healthy soil, healthy food, healthy people. *Eco Schools Interactive talk and Exhibits, Holyrood Parliament, Edinburgh, 28 January 2011.*

Dawson, L.A.; Czerniakiewicz, M.; Handley, K.; Hillier, S.; Robertson, J.; Ross, J.M.; Towers, W.; Donnelly, D.; Mayes, R.W.(2010) A complementary approach to the forensic analysis of soil in case investigations., *International Workshop on Criminal and Environmental Soil Forensics, 3rd, Long Beach, California, 2-4 November 2010.*

Dawson, L.A.; Hillier, S.; Duff, B.; Robertson, J.; Ross, J.M.; Brewer, M.; Mayes, R.W.; Towers, W.; Hudson, G.; Campbell, C.D., (2010) Use of soil fingerprinting approaches for ascertaining change over time.. *ASA, CSSA and SSSA 2010 International Annual Meeting, Long Beach, California, 31 October - 4 November 2010.*

Dawson, L.A.; Towers, W. (2010) Soil sleuths. *Science for School Event with SAC and RHET, Glasgow Science Centre, Glasgow, 15 September 2010.*

Dawson, L.A. (2010) The science behind the crime. Edinburgh Science Festival. Big Ideas; Public event at Informatics Forum, 13th April 2010.

Dawson, L.A. (2010) Soil information and application in forensic science. Centre for Forensic Science, University of Strathclyde, Glasgow, 4th May 2010.

Hudson, G.; Dawson, L.A.; Campbell, C. (2010) Research at the Macaulay to help protect and understand the nation's soils: Soil sampling, databases, fingerprinting, soil forensics (SoilFit). (MOLTER), Oslo, 20th May 2010.

Dawson, L.A.; Macdonald, L.M.; Bellamy, P.; Brewer, M.J.; Donnelly, D.; Jackson, G.; Rayner, A.; Singh, B.K.; Wiltshire, P. (2009) Current perspectives on the use of soil forensics in the detection of crime. Plenary Lecture. Environmental Forensics Conference, Calgary, Canada, 31st August - 2nd September 2009.

Dawson, L.A. (2009) Profiling soil for forensic application. Plenary lecture at The British Association for Human Identification Conference 10th Annual Scientific Meeting. Westpark Conference Centre, University of Dundee, 6th-8th June 2009.

Dawson, L.A. (2009) Tackling serious crime using forensics. International Crime Science Conference, 3rd, British Library, 15th July 2009. Session chair.

Dawson, L.A. (2009) Soil information for forensic case work. Invited lecture and training course. Forensic Science Society, Young Forensic Scientists Seminar, Natural History Museum, London, 22nd September 2009.

Dawson, L.A.; Donnelly, D.; Miller, D.R. (2009) Trace evidence in "Dying Light". Murder, Mystery and Microscopes, British Association Festival of Science, University of Guildford, Guildford, 8th September 2009.

Dawson, L.; Hester, A.; Ross, J.; Hood, K.; Gwatkin, R.; Potts, J.; Bell, J.; Sommerkorn, M. (2009) Carbon dynamics in heather moorland - impact of tree establishment. *Predicting the Future for Highly Organic Soils, British Society of Soil Science, Spring Conference, Edinburgh Conference Centre, Heriot-Watt University, 5th - 7th May 2009.*

Dawson, L.A. (2008) New approaches to soil in forensic investigation: intelligence and evidence. Invited Keynote Lecture at FORREST, Forensic Research and Teaching Conference, Aberdeen, 1-3 July 2008. Aberdeen.

Dawson, L.A. (2008) Soil forensics in investigating environmental crime; an example from flytipping. Keynote Lecture at the National Environmental Crime Conference, British Library, London, 7th October 2008.

Dawson, L.A. (2008) Forensic soil information: investigation and evidence. The Department of Forensic Medicine, University of Helsinki, Finland.

Dawson, L.A. (2008) Research and application in forensic geoscience. The Forensic Science Society Autumn Conference, Wyboston, 31st October 2008.

Dawson, L.A.; Macdonald, L. (2008) New approaches to soil evidence: modern methods to maximise what we can see. Forensic Science Service Summer Conference, Derby 4-6 July, 2008. Invited Keynote presentation.

Macdonald, L.M.; Jackson, G.; Brewer, M.J.; Dawson, L.A. (2008) Exploring a Bayesian approach to assess transfer and persistence influences on the value of soil evidence. International Conference on Forensic Inference and Statistics, UNIL, University of Lausanne, Switzerland, 22nd August 2008.

Ruffell, A.; Donnelly, L.; Dawson, L.A. (2008) The future of geoforensics. Forensic Geoscience Group, The Geological Society: Geoscientific equipment and techniques at crime scenes. Burlington House, Piccadilly, London, 16-17th December 2008.

Dawson, L.A.; Macdonald, C.A.; Macdonald, L.; Ross, J.; Mayes, R.W. (2008) Plant wax markers: developing methods to compliment mineralogical techniques. International Crime Science Conference 2008, Science, Crime and Security: Creating sustainable partnerships, British Library, London, 17-18 July 2008.

Dawson, L.A. (2007) Management and species effects on grass root longevity, C inputs to soil and soil microbial communities Invited lecture at conference on: Integrating Direct and Indirect Interactions in the Rhizosphere, Hundested, 11-14th June 2007

Dawson, L.; Wiltshire, P.; Barclay, D. (2006) Soil analysis-meeting the needs of investigators. The move from research to practice. 18th International Symposium of the Forensic Science: Classroom to Courtroom, Perth, Australia, 2-7 April 2006, p59.

Dawson, L.A. (2006) Identification of crime scene origin through the use of soil organic evidence. International Workshop on Criminal and Environmental Soil Forensics, 8-9th April, 2006, p27.

Dawson, L.A., Murray, P.J., Vaisanen, K., Duff, E.I., Ross, J., Grayston, S.J., Treonis, A.M., Macdonald, L.M. and Paterson, E. (2005) Soil nutrient supply and herbivory influence grass root longevity. International Plant Nutrition Colloquium, XV, Beijing, The People's Republic of China, 14-19 September 2005.

### **Recent Popular Press Articles**

Dawson, L.A. (2011) International conference on soil forensics. *Forensic Technology Review, No 1, p10-11.*

Mitchell, R.; Hester, A.J.; Chapman, S.J.; Dawson, L.A. (2011) Woodland expansion into moorland: impacts on biodiversity and ecosystem services. *In: Woodland Biodiversity (ed. Iason, G.R.). A Summary of Research Outputs from the Scottish Government's Environment, pp14-15.*

Challan, J.; Dawson, L.A. (2010) Solutions through soil analysis. *The Forensic Technology Review, July 2010, pp84-89.*

Dawson, L.A. (2010) Forensic Science Service and Macaulay Institute team up to offer a soil analysis to investigators. *Emergency Global Barclay Media Limited, July 2010, p36.*

Dawson, L.A.; Weinberg, S. (2010) CSI Investigated: the secrets of forensic science. Soil. *The Times, Eureka Magazine, 2 December 2010, 15-21. P15 to 21.*

Dawson, L.A. (2009) Soil fingerprinting. *Pioneer Magazine, Autumn 2009, pp26- 28.*

Dawson, L.A. (2009) Experiences of a British Science Association Media Fellowship with BBC Countryfile. *In-land Newsletter, Autumn/Winter, 2009*

Dawson, L.A.; Neely, C.L. (2009) Intelligence and evidence - soil's contribution to police investigations. *Holyrood Magazine, No. 212, 18 May 2009.*

Buckley, L.; Dawson, L.A.; Macdonald, L.M. (2008) Dirt detectives. *Information for schoolchildren, Science Museum, London.*

Dawson, L.A. (2008) The science behind the crime. *BA website*

Dawson, L.A. (2008) Its elementary. *Science and Discovery in Brief, Metro Newspaper, London.*

Dawson, L.A. (2008) Magic tricks can conjure up confidence and social skills in children. *BA website*

Dawson, L.A. (2008) Isotopes in teeth provide evidence for Bronze age travel. *BA website*

Dawson, L.A. (2008) Earthworms clean up metals. *BA website*

Dawson, L.A.; Miller, D.R.; Towers, W. (2008) Dirty work - new uses for soil databases. *Vector 1 Media*



Dawson, L.A.; Ruffell, A. (2008) Good showing at Soil Forensic International Conference, Edinburgh, 2007 *Es2K - Geology in Ireland*.

Geddes, L.; Dawson, L. (2008) How to dish the dirt on crime suspects. *New Scientist*, 199(2666), p11

Dawson, L.A. (2007) The 2nd International Soil Forensics Conference. *Police Professional*, 87, p14.

Dawson, L.A.; Donnelly, L. (2007) SFI Edinburgh *Geoscientist*, 7, p8.

Dawson, L.A.; Lund, J.; Vannett, V. (2007) An introduction to soils; an interactive powerpoint presentation with LTS. *SAGT*, October 2007.

Murray, L.; Dawson, L.; Miller, D.; Stevens, D.(2007) The secrets in the soil. *Geographical Magazine*, January 2007 pp8-9 (website as at 08/01/2007<http://www.geographical.co.uk/>).

Ruffell, A.; Donnelly, L.J.; Dawson, L.A.; Murray, R. (2008) The future of geoforensics. *Earth Science Review*, 2008. p 24.

Zala, K.; Dawson, L. (2007) Dirty science: soil forensics digs into new techniques. *Science*, 318, 386-387.

Miller, D.R.; Dawson, L.A.; Stevens, D.; Small, D.(2006) The theatre of crime. *Police Professional*, October 2006, pp41-43.

Dawson, L.A.; York, C. (2004) MP-Scientist pairing scheme - what a result! *Science in Society Report*, The Royal Society, London, p17-36.

### **Recent Resources Developed**

Dawson et al. (2011) Soils of the Crofts. Book for schools, developed with Crofting Connections/ The Soil Association. Presented at Hollyrood, Jan, 2011 and the Highland Show, June 2011.

Dawson, L.A. (2011), Research and planning materials for The Vera Stanhope mysteries, STV.

Dawson, L.A.; Towers, W.; King, M.; Armstrong, G. (2010) Soils in Scotland; An e learning resource. <http://www.sac.ac.uk/learning/geography/soils/>

Dawson, L.A.; Towers, W.; Graham, C.; Morgan, C. (In press) What is soil? How are soils formed? What are the different types of soil? Learning Resource Packages for Understanding Soils. Developed for the Scottish Educational Curriculum with SESEF and LTS.

Towers, W.; Dawson, L. (2009) Scottish soil catenas. Higher / Advanced Higher Geography Curriculum Development.

Dawson, L.A. (2008) BBC Countryfile, Feature - Secrets of the Soil. Research and Planning Material for BBC Countryfile, 2nd November 2008.

Dawson, L.A.; Donnelly, D.; Barclay (2008) BBC 'Silent witness' specialist report on soils. BBC TV Silent Witness Writers.

Dawson, L.A.; Towers, W.; Black, K. (2008) An introduction to soils. SAC e-learning website.

### **Selected Recent Media appearances**

CSI Kirkcaldy, 4 March, (2011). Fife Free Press.

Neely, C.L.; Dawson, L.A.; Morrice, J.G.; Miller, D.R. (2010) Murder and mystery in the Sherriff Court. *Orcadian*, 2 September 2010.

Dawson, L.A. (2009) Radio interview. Northsound Radio 2 Talk Show 10.30-11.30am, May 2009.

Dawson, L.A. (2009) Soils and the Open Doors. Radio interview for "Original 106"

Dawson, L.A. (2009) Leatherjacket invasion on Pittodrie pitch. Interview on BBC TV Reporting Scotland, 26 February, 2009.

Christie, S.; Neely, C.; Dawson, L. (2009) Writer's work will be in frame with forensic experts. Press and Journal, 21st April 2009.

Brown, A.; Dawson, L. (2009) CSI Soils. Interview for a newspaper article in The Daily Record, 21st May 2009.

Dawson, L.A. (2008) Murder Mystery and Microscopes. Lorna Dawson discusses the use of forensic techniques in crime novels along with crime author Margaret Murphy. Charters, D.; Dawson, L.A. (2008) A professional approach to murder.

*Liverpool Daily Post.*, 29th August 2008, pp18-19.

BBC 4 "Material World" (Audio clip), 11th September 2008.

Dawson, L.A. (2007) The Macaulay Institute Soil Forensic International Conference Radio Five Live, The Nickie Campbell show

Dawson, L.A. (2007) The Macaulay Institute Soil Forensic International Conference.

Northsound, BBC Radio Scotland. Live, BBC News, BBC Edinburgh, STV North Tonight

Dawson, L.A. (2007) Using soil in criminal forensics Podcast; science snaps, and appeared on Radio Northsound.

Dawson, L.A. (2007) The clues are in the soil. Edinburgh Science Festival. BBC online.

Dawson, L.A. (2007) The Macaulay Institute Soil Forensic International Conference

Dawson, L.A. (2007) Meet the Scientist: Workshop Programme. NMS, Edinburgh

Dawson, L.A. (2007) Science Snaps, podcast UK Radio Broadcast

Dawson, L.A.; Miller, D.R. (2007) BBC Reporting Scotland.

Dawson, L.A.; Miller, D.R. (2007) STV *Television news, Scotland*

Dawson, L.A.; Miller, D.R.; Owen, J. (2007) BBC 1 Working Lunch, Presentation of Forensics and Landscape Research *BBC Working Lunch*