

SECU0021: Forensic Geoscience

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[1]

Abdulla, S. 1999. The buzzing detective. *news@nature*. (Sep. 1999).
DOI:<https://doi.org/10.1038/news990923-2>.

[2]

Allen, T.J. et al. 1998. The transfer of glass—part 3. *Forensic Science International*. 93, 2–3 (May 1998), 195–200. DOI:[https://doi.org/10.1016/S0379-0738\(98\)00043-7](https://doi.org/10.1016/S0379-0738(98)00043-7).

[3]

Allen, T.J. and Scrannage, J.K. 1998. The transfer of glass—part 1. *Forensic Science International*. 93, 2–3 (May 1998), 167–174.
DOI:[https://doi.org/10.1016/S0379-0738\(98\)00041-3](https://doi.org/10.1016/S0379-0738(98)00041-3).

[4]

Amendt, J. et al. 2007. Best practice in forensic entomology—standards and guidelines. *International Journal of Legal Medicine*. 121, 2 (Mar. 2007), 90–104.
DOI:<https://doi.org/10.1007/s00414-006-0086-x>.

[5]

Amendt, J. et al. 2011. Forensic entomology: applications and limitations. *Forensic Science, Medicine, and Pathology*. 7, 4 (Dec. 2011), 379–392.
DOI:<https://doi.org/10.1007/s12024-010-9209-2>.

[6]

Anderson, G.S. and Hobischak, N.R. 2004. Decomposition of carrion in the marine environment in British Columbia, Canada. *International Journal of Legal Medicine*. 118, 4 (Aug. 2004). DOI:<https://doi.org/10.1007/s00414-004-0447-2>.

[7]

Bailey, M.J. et al. 2012. Evaluation of Particle-Induced X-ray Emission and Particle-Induced γ -ray Emission of Quartz Grains for Forensic Trace Sediment Analysis. *Analytical Chemistry*. 84, 5 (Mar. 2012), 2260–2267. DOI:<https://doi.org/10.1021/ac2028722>.

[8]

Balding, D.J. and Buckleton, J. 2009. Interpreting low template DNA profiles. *Forensic Science International: Genetics*. 4, 1 (Dec. 2009), 1–10. DOI:<https://doi.org/10.1016/j.fsigen.2009.03.003>.

[9]

Beck, Richard A. Remote Sensing and GIS as Counterterrorism Tools in the Afghanistan War: A Case Study of the Zhawar Kili Region. *The Professional Geographer*. 55, 2. DOI:<https://doi.org/10.1111/0033-0124.5502005>.

[10]

Bell, S. 2006. *Forensic chemistry*. Pearson Prentice Hall.

[11]

Bernard Greenberg 1991. Flies as Forensic Indicators. *Journal of Medical Entomology*. 28, 5 (1991), 565–577.

[12]

Bevan, B.W. 1991. The search for graves. 56, 9 (1991), 1310–1319.

[13]

Brock, J.H. and Norris, D.O. 1997. Forensic botany: an under-utilized resource. 42, 3

(1997), 364–367.

[14]

Brown, A.G. 2006. The use of forensic botany and geology in war crimes investigations in NE Bosnia. *Forensic Science International*. 163, 3 (Nov. 2006), 204–210.
DOI:<https://doi.org/10.1016/j.forsciint.2006.05.025>.

[15]

Brown, Antony G. The combined use of pollen and soil analyses in a search and subsequent murder investigation. *Journal of Forensic Sciences*. 47, 3, 614–618.

[16]

Bryant, V.M. et al. 1990. Forensic palynology in the United States of America. *Palynology*. 14, 1 (Dec. 1990), 193–208. DOI:<https://doi.org/10.1080/01916122.1990.9989380>.

[17]

Bryant, V.M. and Jones, G.D. 2006. Forensic palynology: Current status of a rarely used technique in the United States of America. *Forensic Science International*. 163, 3 (Nov. 2006), 183–197. DOI:<https://doi.org/10.1016/j.forsciint.2005.11.021>.

[18]

Bugelli, V. et al. 2015. Forensic Entomology and the Estimation of the Minimum Time Since Death in Indoor Cases. *Journal of Forensic Sciences*. 60, 2 (Mar. 2015), 525–531.
DOI:<https://doi.org/10.1111/1556-4029.12647>.

[19]

Bull, P.A. et al. 2008. A critique of the present use of some geochemical techniques in geoforensic analysis. *Forensic Science International*. 178, 2–3 (Jul. 2008), e35–e40.
DOI:<https://doi.org/10.1016/j.forsciint.2007.09.003>.

[20]

Bull, P.A. et al. 2006. The forensic analysis of soils and sediment taken from the cast of a footprint. *Forensic Science International*. 162, 1–3 (Oct. 2006), 6–12.
DOI:<https://doi.org/10.1016/j.forsciint.2006.06.075>.

[21]

Bull, P.A. et al. 2006. The Transfer and Persistence of Trace Particulates: Experimental studies using clothing fabrics. *Science & Justice*. 46, 3 (Jul. 2006), 185–195.
DOI:[https://doi.org/10.1016/S1355-0306\(06\)71592-1](https://doi.org/10.1016/S1355-0306(06)71592-1).

[22]

Bull, P.A. et al. 2006. The Transfer and Persistence of Trace Particulates: Experimental studies using clothing fabrics. *Science & Justice*. 46, 3 (Jul. 2006), 185–195.
DOI:[https://doi.org/10.1016/S1355-0306\(06\)71592-1](https://doi.org/10.1016/S1355-0306(06)71592-1).

[23]

Bull, P.A. and Morgan, R.M. 2006. Sediment Fingerprints: A forensic technique using quartz sand grains. *Science & Justice*. 46, 2 (Apr. 2006), 107–124.
DOI:[https://doi.org/10.1016/S1355-0306\(06\)71581-7](https://doi.org/10.1016/S1355-0306(06)71581-7).

[24]

Cameron, N.G. 2004. The use of diatom analysis in forensic geoscience. 232, (2004), 277–280. DOI:<https://doi.org/10.1144/GSL.SP.2004.232.01.25>.

[25]

Catts, E.P. and Goff, M.L. 1992. Forensic Entomology in Criminal Investigations. *Annual Review of Entomology*. 37, 1 (Jan. 1992), 253–272.
DOI:<https://doi.org/10.1146/annurev.en.37.010192.001345>.

[26]

Cheshire, K. et al. 2017. The potential for geochemical discrimination of single- and mixed-source soil samples from close proximity urban parkland locations. *Australian Journal of Forensic Sciences*. 49, 2 (Mar. 2017), 161–174.
DOI:<https://doi.org/10.1080/00450618.2016.1144789>.

[27]

Chisum, W.J. and Turvey, B.E. 2011. Crime Reconstruction. Academic Press.

[28]

Cole, S.A. 2013. Forensic culture as epistemic culture: The sociology of forensic science. *Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences*. 44, 1 (Mar. 2013), 36–46.
DOI:<https://doi.org/10.1016/j.shpsc.2012.09.003>.

[29]

Cook, R. et al. 1998. A hierarchy of propositions: deciding which level to address in casework. *Science & Justice*. 38, 4 (Oct. 1998), 231–239.
DOI:[https://doi.org/10.1016/S1355-0306\(98\)72117-3](https://doi.org/10.1016/S1355-0306(98)72117-3).

[30]

Cox, E.J. 2012. Diatoms and Forensic Science. *Forensic Ecology Handbook*. N. Márquez-Grant and J. Roberts, eds. John Wiley & Sons, Ltd. 141–151.

[31]

Cox, M. 2008. The scientific investigation of mass graves: towards protocols and standard operating procedures. Cambridge University Press.

[32]

Cox, M.R. and Budhu, M. 2008. A practical approach to grain shape quantification. *Engineering Geology*. 96, 1–2 (Jan. 2008), 1–16.
DOI:<https://doi.org/10.1016/j.enggeo.2007.05.005>.

[33]

Cox, M.R. and Budhu, M. 2008. A practical approach to grain shape quantification. *Engineering Geology*. 96, 1–2 (Jan. 2008), 1–16.
DOI:<https://doi.org/10.1016/j.enggeo.2007.05.005>.

[34]

Croft, D.J. and Pye, K. 2003. The potential use of continuous-flow isotope-ratio mass spectrometry as a tool in forensic soil analysis: a preliminary report. *Rapid Communications in Mass Spectrometry*. 17, 23 (Dec. 2003), 2581–2584. DOI:<https://doi.org/10.1002/rcm.1174>.

[35]

Dachs, J. et al. 2003. The persistence of human scalp hair on clothing fabrics. *Forensic Science International*. 138, 1–3 (Dec. 2003), 27–36. DOI:<https://doi.org/10.1016/j.forsciint.2003.07.014>.

[36]

Dachs, J. et al. 2003. The persistence of human scalp hair on clothing fabrics. *Forensic Science International*. 138, 1–3 (Dec. 2003), 27–36. DOI:<https://doi.org/10.1016/j.forsciint.2003.07.014>.

[37]

Dawson, L.A. and Hillier, S. 2010. Measurement of soil characteristics for forensic applications. *Surface and Interface Analysis*. 42, 5 (May 2010), 363–377. DOI:<https://doi.org/10.1002/sia.3315>.

[38]

Delabarde, T. et al. 2013. The potential of forensic analysis on human bones found in riverine environment. *Forensic Science International*. 228, 1–3 (May 2013), e1–e5. DOI:<https://doi.org/10.1016/j.forsciint.2013.03.019>.

[39]

Dent, B.B. et al. 2004. Review of human decomposition processes in soil. *Environmental Geology*. 45, 4 (Feb. 2004), 576–585. DOI:<https://doi.org/10.1007/s00254-003-0913-z>.

[40]

Dickson, G.C. et al. 2011. Marine bacterial succession as a potential indicator of postmortem submersion interval. *Forensic Science International*. 209, 1–3 (Jun. 2011), 1–10. DOI:<https://doi.org/10.1016/j.forsciint.2010.10.016>.

[41]

Drahl, C. and Widener, A. 2014. Forcing Change In *Forensic Science*. 92, 19 (2014), 10–15.

[42]

Etienne, D. and Jouffroy-Bapicot, I. 2014. Optimal counting limit for fungal spore abundance estimation using *Sporormiella* as a case study. *Vegetation History and Archaeobotany*. 23, 6 (Nov. 2014), 743–749. DOI:<https://doi.org/10.1007/s00334-014-0439-1>.

[43]

Evett, I.W. et al. 2017. Finding the way forward for forensic science in the US—A commentary on the PCAST report. *Forensic Science International*. 278, (Sep. 2017), 16–23. DOI:<https://doi.org/10.1016/j.forsciint.2017.06.018>.

[44]

Fenning, P.J. and Donnelly, L.J. 2004. Geophysical techniques for forensic investigation. 232, 1 (2004), 11–20. DOI:<https://doi.org/10.1144/GSL.SP.2004.232.01.03>.

[45]

Flanagan, R.J. 2018. Cut Costs at All Costs! *Forensic Science International*. 290, (Sep. 2018), e26–e28. DOI:<https://doi.org/10.1016/j.forsciint.2018.06.038>.

[46]

Forbes, S.L. et al. 2005. The effect of soil type on adipocere formation. *Forensic Science International*. 154, 1 (Nov. 2005), 35–43. DOI:<https://doi.org/10.1016/j.forsciint.2004.09.108>.

[47]

Forbes, S.L. et al. 2005. The effect of the burial environment on adipocere formation. *Forensic Science International*. 154, 1 (Nov. 2005), 24–34.
DOI:<https://doi.org/10.1016/j.forsciint.2004.09.107>.

[48]

Forbes, S.L. et al. 2002. The identification of adipocere in grave soils. *Forensic Science International*. 127, 3 (Jul. 2002), 225–230.
DOI:[https://doi.org/10.1016/S0379-0738\(02\)00127-5](https://doi.org/10.1016/S0379-0738(02)00127-5).

[49]

French, J 2014. The secondary transfer of gunshot residue: an experimental investigation carried out with SEM-EDX analysis. *X-RAY SPECTROMETRY*. (2014).

[50]

French, J.C. et al. 2012. Multiple transfers of particulates and their dissemination within contact networks. *Science & Justice*. 52, 1 (Mar. 2012), 33–41.
DOI:<https://doi.org/10.1016/j.scijus.2011.05.001>.

[51]

French, J.C. et al. 2012. Multiple transfers of particulates and their dissemination within contact networks. *Science & Justice*. 52, 1 (Mar. 2012), 33–41.
DOI:<https://doi.org/10.1016/j.scijus.2011.05.001>.

[52]

G. Clark Davenport 2001. Remote Sensing Applications in Forensic Investigations. *Historical Archaeology*. 35, 1 (2001), 87–100.

[53]

Garrett, Brandon L. Invalid forensic science testimony and wrongful convictions. *Virginia Law Review*. 95, 1, 1–97.

[54]

Green, N. 2011. Get ready for CSI: Soil. (2011).

[55]

Grieve, M.C. 1987. Glitter particles—an unusual source of trace evidence? *Journal of the Forensic Science Society*. 27, 6 (Nov. 1987), 405–412.
DOI:[https://doi.org/10.1016/S0015-7368\(87\)72789-3](https://doi.org/10.1016/S0015-7368(87)72789-3).

[56]

Grieve, M.C. et al. 1989. Transfer experiments with acrylic fibres. *Forensic Science International*. 40, 3 (Mar. 1989), 267–277.
DOI:[https://doi.org/10.1016/0379-0738\(89\)90185-0](https://doi.org/10.1016/0379-0738(89)90185-0).

[57]

Haglund, W. and Sorg, M. eds. 1996. *Forensic Taphonomy*. CRC Press.

[58]

Hamzelou, J. 2015. Hair analysis on trial after FBI admits to using flawed evidence. (2015).

[59]

Hansen, J.D. and Pringle, J.K. 2013. Comparison of magnetic, electrical and ground penetrating radar surveys to detect buried forensic objects in semi-urban and domestic patio environments. 384, 1 (2013), 229–251. DOI:<https://doi.org/10.1144/SP384.13>.

[60]

Hanson, I.D. 2004. The importance of stratigraphy in forensic investigation. *Geological Society, London, Special Publications*. 232, 1 (2004), 39–47.
DOI:<https://doi.org/10.1144/GSL.SP.2004.232.01.06>.

[61]

Hawksworth, D.L. and Wiltshire, P.E.J. 2011. Forensic mycology: the use of fungi in criminal investigations. *Forensic Science International*. 206, 1–3 (Mar. 2011), 1–11.
DOI:<https://doi.org/10.1016/j.forsciint.2010.06.012>.

[62]

Hawksworth, D.L. and Wiltshire, P.E.J. 2011. Forensic mycology: the use of fungi in criminal investigations. *Forensic Science International*. 206, 1–3 (Mar. 2011), 1–11.
DOI:<https://doi.org/10.1016/j.forsciint.2010.06.012>.

[63]

Holzer, Thomas L. Seismograms offer insight into Oklahoma City bombing. *Eos*. 77, 41.

[64]

Horrocks, M. and Walsh, K.A.J. 1998. Forensic palynology: assessing the value of the evidence. *Review of Palaeobotany and Palynology*. 103, 1–2 (Sep. 1998), 69–74.
DOI:[https://doi.org/10.1016/S0034-6667\(98\)00027-X](https://doi.org/10.1016/S0034-6667(98)00027-X).

[65]

Horrocks, Mark Fine resolution of pollen patterns in limited space: Differentiating a crime scene and alibi scene seven meters apart. *Journal of Forensic Sciences*. 44, 2, 417–420.

[66]

Horrocks, Mark Forensic palynology: Variation in the pollen content of soil surface samples. *Journal of Forensic Sciences*. 43, 2.

[67]

Igathinathane, C. et al. 2009. Sieveless particle size distribution analysis of particulate materials through computer vision. *Computers and Electronics in Agriculture*. 66, 2 (May 2009), 147–158. DOI:<https://doi.org/10.1016/j.compag.2009.01.005>.

[68]

Inman, K. and Rudin, N. 2002. The origin of evidence. *Forensic Science International*. 126, 1 (Mar. 2002), 11–16. DOI:[https://doi.org/10.1016/S0379-0738\(02\)00031-2](https://doi.org/10.1016/S0379-0738(02)00031-2).

[69]

Inman, K. and Rudin, N. 2002. The origin of evidence. *Forensic Science International*. 126, 1 (Mar. 2002), 11–16. DOI:[https://doi.org/10.1016/S0379-0738\(02\)00031-2](https://doi.org/10.1016/S0379-0738(02)00031-2).

[70]

Jantunen, J. and Saarinen, K. 2011. Pollen transport by clothes. *Aerobiologia*. 27, 4 (Dec. 2011), 339–343. DOI:<https://doi.org/10.1007/s10453-011-9200-8>.

[71]

Jasanoff, S. 2006. Just Evidence: The Limits of Science in the Legal Process. *The Journal of Law, Medicine Ethics*. 34, 2 (Jun. 2006), 328–341. DOI:<https://doi.org/10.1111/j.1748-720X.2006.00038.x>.

[72]

Jasanoff, S. 2005. Law's Knowledge: Science for Justice in Legal Settings. *American Journal of Public Health*. 95, S1 (Jul. 2005), S49–S58. DOI:<https://doi.org/10.2105/AJPH.2004.045732>.

[73]

Jonathan. J. Koehler, M.J.S. 2008. The Individualization Fallacy in Forensic Science Evidence. 61, 1 (2008), 199–219.

[74]

Keiper, J.B. and Casamatta, D.A. 2001. Benthic organisms as forensic indicators. *Journal of the North American Benthological Society*. 20, 2 (Jun. 2001), 311–324. DOI:<https://doi.org/10.2307/1468325>.

[75]

Kiely, T.F. 2006. Forensic evidence: science and the criminal law. CRC Press.

[76]

Kirk, P.L. 1974. Crime investigation. John Wiley & Sons.

[77]

Kloster, Michael 2014. *Fragilariopsis kerguelensis* images from sediment core PS1768-8, supplement to: Kloster, Michael; Kauer, Gerhard; Beszteri, Bábk (2014): SHERPA: an image segmentation and outline feature extraction tool for diatoms and other objects. BMC Bioinformatics, 15(1), 218. PANGAEA - Data Publisher for Earth & Environmental Science.

[78]

Konopinski, D.I. et al. 2012. Investigation of quartz grain surface textures by atomic force microscopy for forensic analysis. Forensic Science International. 223, 1–3 (Nov. 2012), 245–255. DOI:<https://doi.org/10.1016/j.forsciint.2012.09.011>.

[79]

Koper, K.D. et al. 2001. Forensic seismology and the sinking of the Kursk [textit{ Kursk}]. Eos, Transactions American Geophysical Union. 82, 4 (2001), 37–37. DOI:<https://doi.org/10.1029/01EO00023>.

[80]

Levin, E.A. et al. 2018. A Comparison of Thresholding Methods for Forensic Reconstruction Studies Using Fluorescent Powder Proxies for Trace Materials. Journal of Forensic Sciences. (Oct. 2018). DOI:<https://doi.org/10.1111/1556-4029.13938>.

[81]

Levin, E.A. et al. 2018. A Comparison of Thresholding Methods for Forensic Reconstruction Studies Using Fluorescent Powder Proxies for Trace Materials. Journal of Forensic Sciences. (Oct. 2018). DOI:<https://doi.org/10.1111/1556-4029.13938>.

[82]

Maehly, A. and Williams, R.L. eds. 1991. Forensic Science Progress 5. Springer Berlin Heidelberg.

[83]

Magni, P.A. et al. 2015. Evaluation of the floating time of a corpse found in a marine environment using the barnacle *Lepas anatifera* L. (Crustacea: Cirripedia: Pedunculata). Forensic Science International. 247, (Feb. 2015), e6–e10. DOI:<https://doi.org/10.1016/j.forsciint.2014.11.016>.

[84]

Márquez-Grant, N. and Roberts, J. eds. 2012. Forensic Ecology Handbook. John Wiley & Sons, Ltd.

[85]

Márquez-Grant, N. and Roberts, J. 2012. Forensic ecology handbook: from crime scene to court. Wiley-Blackwell.

[86]

Mateus, M. et al. 2013. An investigation on body displacement after two drowning accidents. Forensic Science International. 229, 1–3 (Jun. 2013), e6–e12. DOI:<https://doi.org/10.1016/j.forsciint.2013.03.010>.

[87]

Mazzoli, A. and Favoni, O. 2012. Particle size, size distribution and morphological evaluation of airborne dust particles of diverse woods by Scanning Electron Microscopy and image processing program. Powder Technology. 225, (Jul. 2012), 65–71. DOI:<https://doi.org/10.1016/j.powtec.2012.03.033>.

[88]

Mazzoli, A. and Moriconi, G. 2014. Particle size, size distribution and morphological evaluation of glass fiber reinforced plastic (GRP) industrial by-product. Micron. 67, (Dec. 2014), 169–178. DOI:<https://doi.org/10.1016/j.micron.2014.07.007>.

[89]

McCulloch, G. et al. 2017. The identification of markers for Geoforensic HPLC profiling at close proximity sites. *Forensic Science International*. 272, (Mar. 2017), 127–141. DOI:<https://doi.org/10.1016/j.forsciint.2017.01.009>.

[90]

Measurements of valves of the diatom *Fragilariopsis kerguelensis* from Southern Ocean sediment core PS1768-8, supplement to: Kloster, Michael; Kauer, Gerhard; Esper, Oliver; Fuchs, Nike; Beszteri, Bánk (2018): Morphometry of the diatom *Fragilariopsis kerguelensis* from Southern Ocean sediment: High-throughput measurements show second morphotype occurring during glacials. *Marine Micropaleontology*: 2018. [https://ucl-new-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_datate15843521&context=PC&vid=UCL_VU2&lang=en_US&search_scope=CSCOP_UCL&adaptor=primo_central_multiple_fe&tab=local&query=any,contains,Kloster,%20M.,%20Kauer,%20G.,%20Esper,%20O.,%20Fuchs,%20N.,%20&%20Beszteri,%20B.%20\(2018\).%20Morphometry%20of%20the%20diatom%20Fragilariopsis%20kerguelensis%20from%20Southern%20Ocean%20sediment:%20High-throughput%20measurements%20show%20second%20morphotype%20occurring%20during%20glacials.%20Marine%20Micropaleontology,%20143,%2070-79.&sortby=rank](https://ucl-new-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_datate15843521&context=PC&vid=UCL_VU2&lang=en_US&search_scope=CSCOP_UCL&adaptor=primo_central_multiple_fe&tab=local&query=any,contains,Kloster,%20M.,%20Kauer,%20G.,%20Esper,%20O.,%20Fuchs,%20N.,%20&%20Beszteri,%20B.%20(2018).%20Morphometry%20of%20the%20diatom%20Fragilariopsis%20kerguelensis%20from%20Southern%20Ocean%20sediment:%20High-throughput%20measurements%20show%20second%20morphotype%20occurring%20during%20glacials.%20Marine%20Micropaleontology,%20143,%2070-79.&sortby=rank).

[91]

Merritt, R.W. and Wallace, J.R. 2000. The role of aquatic insects in forensic investigations. *Forensic entomology : the utility of arthropods in legal investigations*. J.H. Byrd and J.L. Castner, eds. CRC Press. 271–320.

[92]

Michael Lynch and Sheila Jasanoff 1998. Introduction: Contested Identities: Science, Law and Forensic Practice. *Social Studies of Science*. 28, 5 (1998), 675–686.

[93]

Micropalaeontological Society 2017. The archaeological and forensic applications of microfossils: a deeper understanding of human history. Published for the Micropalaeontological Society by the Geological Society.

[94]

Mildenhall, D.C. 1990. Forensic palynology in New Zealand. Review of Palaeobotany and Palynology. 64, 1–4 (Oct. 1990), 227–234.
DOI:[https://doi.org/10.1016/0034-6667\(90\)90137-8](https://doi.org/10.1016/0034-6667(90)90137-8).

[95]

Mildenhall, D.C. et al. 2006. Forensic palynology: Why do it and how it works. Forensic Science International. 163, 3 (Nov. 2006), 163–172.
DOI:<https://doi.org/10.1016/j.forsciint.2006.07.012>.

[96]

Mildenhall, D.C. 2006. Hypericum pollen determines the presence of burglars at the scene of a crime: An example of forensic palynology. Forensic Science International. 163, 3 (Nov. 2006), 231–235. DOI:<https://doi.org/10.1016/j.forsciint.2005.11.028>.

[97]

Moore, P.D. et al. 1991. Pollen analysis. Blackwell Scientific Publications.

[98]

Morgan, R.M. 2017. Conceptualising forensic science and forensic reconstruction. Part I: A conceptual model.

[99]

Morgan, R.M. et al. 2014. Experimental forensic studies of the preservation of pollen in vehicle fires. Science & Justice. 54, 2 (Mar. 2014), 141–145.
DOI:<https://doi.org/10.1016/j.scijus.2013.04.001>.

[100]

Morgan, R.M. et al. 2014. Experimental forensic studies of the preservation of pollen in vehicle fires. Science & Justice. 54, 2 (Mar. 2014), 141–145.
DOI:<https://doi.org/10.1016/j.scijus.2013.04.001>.

[101]

Morgan, R.M. et al. 2010. Quartz grain surface textures of soils and sediments from Canberra, Australia: A forensic reconstruction tool. *Australian Journal of Forensic Sciences*. 42, 3 (Sep. 2010), 169–179. DOI:<https://doi.org/10.1080/00450610903258110>.

[102]

Morgan, RM 2009. The forensic analysis of sediments recovered from footwear. *Criminal and Environmental Soil Forensics*. Springer.

[103]

Morgan, R.M. et al. 2013. The recovery of pollen evidence from documents and its forensic implications. *Science & Justice*. 53, 4 (Dec. 2013), 375–384. DOI:<https://doi.org/10.1016/j.scijus.2013.03.004>.

[104]

Morgan, R.M. et al. 2010. The reincorporation and redistribution of trace geoforensic particulates on clothing: An introductory study. *Science & Justice*. 50, 4 (Dec. 2010), 195–199. DOI:<https://doi.org/10.1016/j.scijus.2010.04.002>.

[105]

Morgan, RM 2009. The relevance of the evolution of experimental studies for the interpretation and evaluation of some trace physical evidence. *Science & Justice*. (2009).

[106]

Morgan, R.M. et al. 2009. The relevance of the evolution of experimental studies for the interpretation and evaluation of some trace physical evidence. *Science & Justice*. 49, 4 (Dec. 2009), 277–285. DOI:<https://doi.org/10.1016/j.scijus.2009.02.004>.

[107]

Morgan, R.M. et al. 2006. The role of forensic geoscience in wildlife crime detection. *Forensic Science International*. 162, 1–3 (Oct. 2006), 152–162. DOI:<https://doi.org/10.1016/j.forsciint.2006.06.045>.

[108]

Morgan, R.M. et al. 2006. The role of forensic geoscience in wildlife crime detection. *Forensic Science International*. 162, 1–3 (Oct. 2006), 152–162.
DOI:<https://doi.org/10.1016/j.forsciint.2006.06.045>.

[109]

Morgan, RM 2014. The spatial and temporal distribution of pollen in a room: forensic implications. (2014).

[110]

Morgan, R.M. and Bull, P.A. 2006. Data Interpretation in Forensic Sediment and Soil Geochemistry. *Environmental Forensics*. 7, 4 (Dec. 2006), 325–334.
DOI:<https://doi.org/10.1080/15275920600996248>.

[111]

Morgan, R.M. and Bull, P.A. 2006. Data Interpretation in Forensic Sediment and Soil Geochemistry. *Environmental Forensics*. 7, 4 (Dec. 2006), 325–334.
DOI:<https://doi.org/10.1080/15275920600996248>.

[112]

Morgan, R.M. and Bull, P.A. 2007. Forensic Geoscience and Crime detection: Identification, interpretation and presentation in forensic geoscience. 127, (2007), 73–90.

[113]

Morgan, R.M. and Bull, P.A. 2007. The philosophy, nature and practice of forensic sediment analysis. *Progress in Physical Geography*. 31, 1 (Feb. 2007), 43–58.
DOI:<https://doi.org/10.1177/0309133307073881>.

[114]

Morgan, R.M. and Bull, P.A. 2007. The philosophy, nature and practice of forensic sediment analysis. *Progress in Physical Geography*. 31, 1 (Feb. 2007), 43–58.
DOI:<https://doi.org/10.1177/0309133307073881>.

[115]

Muccio, Z. and Jackson, G.P. 2009. Isotope ratio mass spectrometry. *The Analyst*. 134, 2 (2009), 213–222. DOI:<https://doi.org/10.1039/B808232D>.

[116]

Nakagawa, T Dense-media separation as a more efficient pollen extraction method for use with organic sediment/deposit samples: comparison with the conventional method. *Boreas*. 27, 1, 15–24.

[117]

Newell, A.J. et al. 2012. Automated Texture Recognition of Quartz Sand Grains for Forensic Applications*. *Journal of Forensic Sciences*. 57, 5 (Sep. 2012), 1285–1289. DOI:<https://doi.org/10.1111/j.1556-4029.2012.02126.x>.

[118]

Newell, A.J. et al. 2012. Automated Texture Recognition of Quartz Sand Grains for Forensic Applications*. *Journal of Forensic Sciences*. 57, 5 (Sep. 2012), 1285–1289. DOI:<https://doi.org/10.1111/j.1556-4029.2012.02126.x>.

[119]

Parker, R. et al. 2010. Geophysics and the search of freshwater bodies: A review. *Science & Justice*. 50, 3 (Sep. 2010), 141–149. DOI:<https://doi.org/10.1016/j.scijus.2009.09.001>.

[120]

Peabody, A.J. and Cameron, N.G. 2010. Forensic science and diatoms. *The Diatoms*. J.P. Smol and E.F. Stoermer, eds. Cambridge University Press. 534–539.

[121]

Piette, M.H.A. and De Letter, E.A. 2006. Drowning: Still a difficult autopsy diagnosis. *Forensic Science International*. 163, 1–2 (Nov. 2006), 1–9. DOI:<https://doi.org/10.1016/j.forsciint.2004.10.027>.

[122]

Pollanen, M.S. 1998. Diatoms and homicide. *Forensic Science International*. 91, 1 (Jan. 1998), 29–34. DOI:[https://doi.org/10.1016/S0379-0738\(97\)00162-X](https://doi.org/10.1016/S0379-0738(97)00162-X).

[123]

Pounds, C.A. and Smalldon, K.W. 1975. The Transfer of Fibres between Clothing Materials During Simulated Contacts and their Persistence During Wear. *Journal of the Forensic Science Society*. 15, 1 (Jan. 1975), 29–37. DOI:[https://doi.org/10.1016/S0015-7368\(75\)70933-7](https://doi.org/10.1016/S0015-7368(75)70933-7).

[124]

Pringle, J.K. et al. 2012. Establishing forensic search methodologies and geophysical surveying for the detection of clandestine graves in coastal beach environments. *Forensic Science International*. 219, 1–3 (Jun. 2012), e29–e36. DOI:<https://doi.org/10.1016/j.forsciint.2012.01.010>.

[125]

Pringle, J.K. et al. 2012. The use of geoscience methods for terrestrial forensic searches. *Earth-Science Reviews*. 114, 1–2 (Aug. 2012), 108–123. DOI:<https://doi.org/10.1016/j.earscirev.2012.05.006>.

[126]

Pye, K. et al. 2006. Forensic comparison of soil samples: Assessment of small-scale spatial variability in elemental composition, carbon and nitrogen isotope ratios, colour, and particle size distribution. *Forensic Science International*. 163, 1–2 (Nov. 2006), 59–80. DOI:<https://doi.org/10.1016/j.forsciint.2005.11.008>.

[127]

Pye, K. et al. 2004. *Forensic geoscience: principles, techniques and applications*. Geological Society.

[128]

Pye, K. and Croft, D. 2007. Forensic analysis of soil and sediment traces by scanning electron microscopy and energy-dispersive X-ray analysis: An experimental investigation. *Forensic Science International*. 165, 1 (Jan. 2007), 52–63.
DOI:<https://doi.org/10.1016/j.forsciint.2006.03.001>.

[129]

Quaak, F.C.A. and Kuiper, I. 2011. Statistical data analysis of bacterial t-RFLP profiles in forensic soil comparisons. *Forensic Science International*. 210, 1–3 (Jul. 2011), 96–101.
DOI:<https://doi.org/10.1016/j.forsciint.2011.02.005>.

[130]

Rawlins, B.G. et al. 2006. Potential and Pitfalls in Establishing the Provenance of Earth-Related Samples in Forensic Investigations. *Journal of Forensic Sciences*. 51, 4 (Jul. 2006), 832–845. DOI:<https://doi.org/10.1111/j.1556-4029.2006.00152.x>.

[131]

Rawlins, B.G. and Cave, M. 2004. Investigating multi-element soil geochemical signatures and their potential for use in forensic studies. 232, (2004), 197–206.
DOI:<https://doi.org/10.1144/GSL.SP.2004.232.01.18>.

[132]

Reidy, L. et al. 2013. Elemental fingerprinting of soils using ICP-MS and multivariate statistics: A study for and by forensic chemistry majors. *Forensic Science International*. 233, 1–3 (Dec. 2013), 37–44. DOI:<https://doi.org/10.1016/j.forsciint.2013.08.019>.

[133]

Riding, Jb Changes in soil pollen assemblages on footwear worn at different sites. *Palynology*. 31, 135–151.

[134]

Ritz, K. et al. 2009. *Criminal and environmental soil forensics*. Springer.

[135]

Ruffell, A. 2010. Forensic pedology, forensic geology, forensic geoscience, geoforensics and soil forensics. *Forensic Science International*. 202, 1–3 (Oct. 2010), 9–12. DOI:<https://doi.org/10.1016/j.forsciint.2010.03.044>.

[136]

Ruffell, A. et al. 2014. Search protocols for hidden forensic objects beneath floors and within walls. *Forensic Science International*. 237, (Apr. 2014), 137–145. DOI:<https://doi.org/10.1016/j.forsciint.2013.12.036>.

[137]

Ruffell, A. 2006. Under-water Scene Investigation Using Ground Penetrating Radar (GPR) in the Search for a Sunken Jet ski, Northern Ireland. *Science & Justice*. 46, 4 (Oct. 2006), 221–230. DOI:[https://doi.org/10.1016/S1355-0306\(06\)71602-1](https://doi.org/10.1016/S1355-0306(06)71602-1).

[138]

Ruffell, A. and McKinley, J. 2014. Forensic geomorphology. *Geomorphology*. 206, (Feb. 2014), 14–22. DOI:<https://doi.org/10.1016/j.geomorph.2013.12.020>.

[139]

Ruffell, A. and McKinley, J. 2005. Forensic geoscience: applications of geology, geomorphology and geophysics to criminal investigations. *Earth-Science Reviews*. 69, 3–4 (Mar. 2005), 235–247. DOI:<https://doi.org/10.1016/j.earscirev.2004.08.002>.

[140]

Ruffell, A. and McKinley, J. 2005. Forensic geoscience: applications of geology, geomorphology and geophysics to criminal investigations. *Earth-Science Reviews*. 69, 3–4 (Mar. 2005), 235–247. DOI:<https://doi.org/10.1016/j.earscirev.2004.08.002>.

[141]

Ruffell, A. and McKinley, J. 2008. *Geoforensics*. John Wiley & Sons, Ltd.

[142]

Ruffell, A. and McKinley, J. 2008. Geoforensics. John Wiley & Sons, Ltd.

[143]

Ruffell, A. and Wiltshire, P. 2004. Conjunctive use of quantitative and qualitative X-ray diffraction analysis of soils and rocks for forensic analysis. *Forensic Science International*. 145, 1 (Oct. 2004), 13–23. DOI:<https://doi.org/10.1016/j.forsciint.2004.03.017>.

[144]

Saferstein, R. 2015. *Criminalistics: an introduction to forensic science*. Pearson.

[145]

Saferstein, R. 2015. *Criminalistics: an introduction to forensic science*. Pearson.

[146]

Schneider, C.A. et al. 2012. NIH Image to ImageJ: 25 years of image analysis. *Nature Methods*. 9, 7 (Jul. 2012), 671–675. DOI:<https://doi.org/10.1038/nmeth.2089>.

[147]

Schneider, C.A. et al. 2012. NIH Image to ImageJ: 25 years of image analysis. *Nature Methods*. 9, 7 (Jul. 2012), 671–675. DOI:<https://doi.org/10.1038/nmeth.2089>.

[148]

Schulze, K. et al. 2013. PlanktoVision – an automated analysis system for the identification of phytoplankton. *BMC Bioinformatics*. 14, 1 (2013). DOI:<https://doi.org/10.1186/1471-2105-14-115>.

[149]

Schweitzer, N.J. THE CSI EFFECT: POPULAR FICTION ABOUT FORENSIC SCIENCE AFFECTS THE PUBLIC'S EXPECTATIONS ABOUT REAL FORENSIC SCIENCE. *Jurimetrics*. 47, 3,

357–364.

[150]

Scott, J. and Hunter, J.R. 2004. Environmental influences on resistivity mapping for the location of clandestine graves. 232, 1 (2004), 33–38.
DOI:<https://doi.org/10.1144/GSL.SP.2004.232.01.05>.

[151]

Scott, J. and Hunter, J.R. 2004. Environmental influences on resistivity mapping for the location of clandestine graves. Geological Society, London, Special Publications. 232, 1 (2004), 33–38. DOI:<https://doi.org/10.1144/GSL.SP.2004.232.01.05>.

[152]

Scott, K.R. et al. 2014. The transferability of diatoms to clothing and the methods appropriate for their collection and analysis in forensic geoscience. Forensic Science International. 241, (Aug. 2014), 127–137.
DOI:<https://doi.org/10.1016/j.forsciint.2014.05.011>.

[153]

Siver, P.A. et al. 1994. Forensic Limnology: The Use of Freshwater Algal Community Ecology to Link Suspects to an Aquatic Crime Scene in Southern New England. 39, 3 (1994), 847–853.

[154]

Slot, A. et al. 2017. Tracers as invisible evidence — The transfer and persistence of flock fibres during a car exchange. Forensic Science International. 275, (Jun. 2017), 178–186.
DOI:<https://doi.org/10.1016/j.forsciint.2017.03.005>.

[155]

Stover, E. et al. 2003. Exhumation of Mass Graves in Iraq. JAMA. 290, 5 (Aug. 2003).
DOI:<https://doi.org/10.1001/jama.290.5.663>.

[156]

Sugita, R. and Marumo, Y. 2001. Screening of soil evidence by a combination of simple techniques: validity of particle size distribution. *Forensic Science International*. 122, 2-3 (Nov. 2001), 155-158. DOI:[https://doi.org/10.1016/S0379-0738\(01\)00490-X](https://doi.org/10.1016/S0379-0738(01)00490-X).

[157]

Sugita, R. and Marumo, Y. 1996. Validity of color examination for forensic soil identification. *Forensic Science International*. 83, 3 (Dec. 1996), 201-210. DOI:[https://doi.org/10.1016/S0379-0738\(96\)02038-5](https://doi.org/10.1016/S0379-0738(96)02038-5).

[158]

The Forensics Library: <http://aboutforensics.co.uk/>.

[159]

Thompson, W.C. and Schumann, E.L. 1987. Interpretation of statistical evidence in criminal trials: The prosecutor's fallacy and the defense attorney's fallacy. *Law and Human Behavior*. 11, 3 (1987), 167-187. DOI:<https://doi.org/10.1007/BF01044641>.

[160]

Tibbett, M. and Carter, D.O. eds. 2008. *Soil analysis in forensic taphonomy : chemical and biological effects of buried human remains*. CRC.

[161]

White, P. 2004. *Crime scene to court: the essentials of forensic science*. Royal Society of Chemistry.

[162]

Wiltshire, P.E.J. 2006. Consideration of some taphonomic variables of relevance to forensic palynological investigation in the United Kingdom. *Forensic Science International*. 163, 3 (Nov. 2006), 173-182. DOI:<https://doi.org/10.1016/j.forsciint.2006.07.011>.

[163]

Wiltshire, P.E.J. 2006. Consideration of some taphonomic variables of relevance to forensic palynological investigation in the United Kingdom. *Forensic Science International*. 163, 3 (Nov. 2006), 173–182. DOI:<https://doi.org/10.1016/j.forsciint.2006.07.011>.

[164]

Wiltshire, P.E.J. and Black, S. 2006. The cribriform approach to the retrieval of palynological evidence from the turbinates of murder victims. *Forensic Science International*. 163, 3 (Nov. 2006), 224–230. DOI:<https://doi.org/10.1016/j.forsciint.2005.11.019>.

[165]

Young, J.M. et al. 2014. Forensic soil DNA analysis using high-throughput sequencing: A comparison of four molecular markers. *Forensic Science International: Genetics*. 13, (Nov. 2014), 176–184. DOI:<https://doi.org/10.1016/j.fsigen.2014.07.014>.

[166]

Zala, Krista Dirty Science: Soil Forensics Digs into New Techniques. *Science*. 318, 5849, 386–387.

[167]

Zavada, M.S. et al. 2007. The role of clothing fabrics as passive pollen collectors in the north-eastern United States. *Grana*. 46, 4 (Dec. 2007), 285–291. DOI:<https://doi.org/10.1080/00173130701780104>.

[168]

Zimmerman, K.A. and Wallace, J.R. 2008. The Potential to Determine a Postmortem Submersion Interval Based on AlgalDiatom Diversity on Decomposing Mammalian Carcasses in Brackish Ponds in Delaware. *Journal of Forensic Sciences*. 53, 4 (Jul. 2008), 935–941. DOI:<https://doi.org/10.1111/j.1556-4029.2008.00748.x>.

[169]

8AD. 1969 FBI Soil Exam Video.

[170]

Analyzing fluorescence microscopy images with ImageJ.

[171]

BBC Four - Catching History's Criminals: The Forensics Story.

[172]

BBC Radio 4 - Forensics in Crisis.

[173]

BBC Radio 4 - The Infinite Monkey Cage, Series 12, Forensic Science.

[174]

BBC Radio 4 - The Life Scientific, Niamh Nic Daeid.

[175]

BBC Radio 4 - The Report, Forensic Science.

[176]

Catching History's Criminals: The Forensics Story.

[177]

Crime Scene Creatures - Counting Rings to Catch a Murderer (PBS).

[178]

Crime Scene Creatures - Diatom Detective (PBS).

[179]

5AD. Forensic entomology - The crime scene (Wellcome Collection).

[180]

13AD. Forensic Files Historic Cases Reel Danger.

[181]

From Eggs to Maggots.

[182]

17AD. Gepard GPR ground penetrating radar - Applications and functionality.

[183]

Inspecting Detectives, The Long Shadow of the World's End.

[184]

8AD. Jonathan Drori: Every pollen grain has a story.

[185]

2016. Missing Persons. Routledge.

[186]

Plant detectives: How brambles can help solve murder cases - Dr Mark Spencer.

[187]

Police Divers & Underwater Investigations.

[188]

2001. Reference and Research Book News. 16, 4 (2001).

[189]

SERIAL.

[190]

2008. Solved- Trace Evidence.

[191]

2010. The 'CSI effect'. (2010).

[192]

2014. The fascinating process of human decomposition.

[193]

The Murder Trial. Channel 4.

[194]

21AD. The Soil Sleuth.

[195]

Underwater Forensics Robot on Beyond Tomorrow.

[196]

Underwater Forensics (Science Channel).

[197]

Undisclosed.

[198]

12AD. Waxing Historical: A Potted History of Adipocere.