

SECU0021: Forensic Geoscience

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1

K. Inman and N. Rudin, *Forensic Science International*, 2002, **126**, 11–16.

2

R. M. Morgan, P. Wiltshire, A. Parker and P. A. Bull, *Forensic Science International*, 2006, **162**, 152–162.

3

R. M. Morgan and P. A. Bull, *Progress in Physical Geography*, 2007, **31**, 43–58.

4

A. Ruffell and J. McKinley, *Earth-Science Reviews*, 2005, **69**, 235–247.

5

M. J. S. Jonathan. J. Koehler, 2008, **61**, 199–219.

6

S. A. Cole, *Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences*, 2013, **44**, 36–46.

7

S. Jasanoff, The Journal of Law, Medicine Ethics, 2006, **34**, 328–341.

8

T. F. Kiely, Forensic evidence: science and the criminal law, CRC Press, Boca Raton, FL, Second edition., 2006.

9

P. L. Kirk, Crime investigation, John Wiley & Sons, New York, Second edition., 1974.

10

Michael Lynch and Sheila Jasanoff, Social Studies of Science, 1998, **28**, 675–686.

11

R. M. Morgan and P. A. Bull, Environmental Forensics, 2006, **7**, 325–334.

12

B. G. Rawlins, S. J. Kemp, E. H. Hodgkinson, J. B. Riding, C. H. Vane, C. Poulton and K. Freeborough, Journal of Forensic Sciences, 2006, **51**, 832–845.

13

14

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

15

16

J. Hamzelou, .

17

C. Drahl and A. Widener, 2014, **92**, 10–15.

18

19

20

21

D. J. Balding and J. Buckleton, Forensic Science International: Genetics, 2009, **4**, 1–10.

22

S. Jasanoff, American Journal of Public Health, 2005, **95**, S49–S58.

23

Morgan, RM, Science & Justice.

24

W. C. Thompson and E. L. Schumann, Law and Human Behavior, 1987, **11**, 167–187.

25

R. M. Morgan and P. A. Bull, 2007, **127**, 73–90.

26

R. M. Morgan, J. Cohen, I. McGookin, J. Murly-Gotto, R. O'Connor, S. Muress, J. Freudiger-Bonzon and P. A. Bull, *Science & Justice*, 2009, **49**, 277–285.

27

R. M. Morgan, J. Flynn, V. Sena and P. A. Bull, *Science & Justice*, 2014, **54**, 141–145.

28

P. A. Bull, R. M. Morgan, A. Sagovsky and G. J. A. Hughes, *Science & Justice*, 2006, **46**, 185–195.

29

W. J. Chisum and B. E. Turvey, *Crime Reconstruction*, Academic Press, Amsterdam, 2nd ed., 2011.

30

J. Dachs, I. J. McNaught and J. Robertson, *Forensic Science International*, 2003, **138**, 27–36.

31

R. M. Morgan, J. C. French, L. O'Donnell and P. A. Bull, *Science & Justice*, 2010, **50**, 195–199.

32

C. A. Pounds and K. W. Smalldon, *Journal of the Forensic Science Society*, 1975, **15**, 29–37.

33

R. Sugita and Y. Marumo, *Forensic Science International*, 1996, **83**, 201–210.

34

R. M. Morgan, J. Flynn, V. Sena and P. A. Bull, Science & Justice, 2014, **54**, 141–145.

35

Morgan, RM, .

36

37

2008.

38

T. J. Allen and J. K. Scrannage, Forensic Science International, 1998, **93**, 167–174.

39

T. J. Allen, K. Hoefler and S. Rose, Forensic Science International, 1998, **93**, 195–200.

40

Schweitzer, N.J., Jurimetrics, **47**, 357–364.

41

J. Dachs, I. J. McNaught and J. Robertson, Forensic Science International, 2003, **138**, 27–36.

42

J. C. French, R. M. Morgan, P. Baxendell and P. A. Bull, Science & Justice, 2012, **52**, 33–41.

43

French, J, X-RAY SPECTROMETRY.

44

M. C. Grieve, J. Dunlop and P. S. Haddock, Forensic Science International, 1989, **40**, 267–277.

45

M. C. Grieve, Journal of the Forensic Science Society, 1987, **27**, 405–412.

46

Garrett, Brandon L., Virginia Law Review, **95**, 1–97.

47

J. K. Pringle, A. Ruffell, J. R. Jervis, L. Donnelly, J. McKinley, J. Hansen, R. Morgan, D. Pirrie and M. Harrison, Earth-Science Reviews, 2012, **114**, 108–123.

48

A. Ruffell and J. McKinley, Earth-Science Reviews, 2005, **69**, 235–247.

49

A. Ruffell, J. K. Pringle and S. Forbes, Forensic Science International, 2014, **237**, 137–145.

50

A. Ruffell and J. McKinley, Geomorphology, 2014, **206**, 14–22.

51

B. W. Bevan, 1991, **56**, 1310-1319.

52

G. Clark Davenport, *Historical Archaeology*, 2001, **35**, 87-100.

53

P. J. Fenning and L. J. Donnelly, 2004, **232**, 11-20.

54

J. D. Hansen and J. K. Pringle, 2013, **384**, 229-251.

55

J. Scott and J. R. Hunter, 2004, **232**, 33-38.

56

Beck, Richard A., *The Professional Geographer*, , DOI:10.1111/0033-0124.5502005.

57

J. K. Pringle, C. Holland, K. Szkornik and M. Harrison, *Forensic Science International*, 2012, **219**, e29-e36.

58

R. M. Morgan and P. A. Bull, *Environmental Forensics*, 2006, **7**, 325-334.

59

17AD.

60

61

62

63

I. D. Hanson, Geological Society, London, Special Publications, 2004, **232**, 39–47.

64

Holzer, Thomas L., Eos.

65

K. D. Koper, T. C. Wallace, S. R. Taylor and H. E. Hartse, Eos, Transactions American Geophysical Union, 2001, **82**, 37–37.

66

J. Scott and J. R. Hunter, Geological Society, London, Special Publications, 2004, **232**, 33–38.

67

P. A. Bull, A. Parker and R. M. Morgan, Forensic Science International, 2006, **162**, 6–12.

68

P. A. Bull and R. M. Morgan, Science & Justice, 2006, **46**, 107–124.

69

L. A. Dawson and S. Hillier, *Surface and Interface Analysis*, 2010, **42**, 363–377.

70

R. M. Morgan, J. Robertson, C. Lennard, K. Hubbard and P. A. Bull, *Australian Journal of Forensic Sciences*, 2010, **42**, 169–179.

71

M. J. Bailey, R. M. Morgan, P. Comini, S. Calusi and P. A. Bull, *Analytical Chemistry*, 2012, **84**, 2260–2267.

72

D. I. Konopinski, S. Hudziak, R. M. Morgan, P. A. Bull and A. J. Kenyon, *Forensic Science International*, 2012, **223**, 245–255.

73

A. J. Newell, R. M. Morgan, L. D. Griffin, P. A. Bull, J. R. Marshall and G. Graham, *Journal of Forensic Sciences*, 2012, **57**, 1285–1289.

74

R. Sugita and Y. Marumo, *Forensic Science International*, 2001, **122**, 155–158.

75

R. M. Morgan and P. A. Bull, *Progress in Physical Geography*, 2007, **31**, 43–58.

76

A. J. Newell, R. M. Morgan, L. D. Griffin, P. A. Bull, J. R. Marshall and G. Graham, *Journal of Forensic Sciences*, 2012, **57**, 1285–1289.

77

78

N. Green, .

79

8AD.

80

21AD.

81

Zala, Krista, Science, **318**, 386–387.

82

P. A. Bull, R. M. Morgan and J. Freudiger-Bonzon, Forensic Science International, 2008, **178**, e35–e40.

83

K. Ritz, L. Dawson and D. Miller, Criminal and environmental soil forensics, Springer, [Dordrecht?], 2009.

84

K. Pye, S. J. Blott, D. J. Croft and J. F. Carter, Forensic Science International, 2006, **163**, 59–80.

85

B. G. Rawlins and M. Cave, 2004, **232**, 197–206.

86

G. McCulloch, L. A. Dawson, M. J. Brewer and R. M. Morgan, Forensic Science International, 2017, **272**, 127–141.

87

K. Cheshire, R. M. Morgan and J. Holmes, Australian Journal of Forensic Sciences, 2017, **49**, 161–174.

88

S. Bell, Forensic chemistry, Pearson Prentice Hall, Upper Saddle River, N.J., 2006.

89

R. Saferstein, Criminalistics: an introduction to forensic science, Pearson, Boston, Edition 11, global edition., 2015.

90

R. Saferstein, Criminalistics: an introduction to forensic science, Pearson, Boston, Edition 11, global edition., 2015.

91

Z. Muccio and G. P. Jackson, The Analyst, 2009, **134**, 213–222.

92

K. Pye and D. Croft, Forensic Science International, 2007, **165**, 52–63.

93

D. J. Croft and K. Pye, *Rapid Communications in Mass Spectrometry*, 2003, **17**, 2581–2584.

94

L. Reidy, K. Bu, M. Godfrey and J. V. Cizdziel, *Forensic Science International*, 2013, **233**, 37–44.

95

F. C. A. Quaak and I. Kuiper, *Forensic Science International*, 2011, **210**, 96–101.

96

J. M. Young, L. S. Weyrich and A. Cooper, *Forensic Science International: Genetics*, 2014, **13**, 176–184.

97

J. Amendt, C. P. Campobasso, E. Gaudry, C. Reiter, H. N. LeBlanc and M. J. R. Hall, *International Journal of Legal Medicine*, 2007, **121**, 90–104.

98

J. Amendt, C. S. Richards, C. P. Campobasso, R. Zehner and M. J. R. Hall, *Forensic Science, Medicine, and Pathology*, 2011, **7**, 379–392.

99

N. Márquez-Grant and J. Roberts, Eds., *Forensic Ecology Handbook*, John Wiley & Sons, Ltd, Chichester, UK, 2012.

100

V. Bugelli, D. Forni, L. A. Bassi, M. Di Paolo, D. Marra, S. Lenzi, C. Toni, M. Giusiani, R. Domenici, M. Gherardi and S. Vanin, *Journal of Forensic Sciences*, 2015, **60**, 525–531.

101

E. P. Catts and M. L. Goff, *Annual Review of Entomology*, 1992, **37**, 253–272.

102

Bernard Greenberg, *Journal of Medical Entomology*, 1991, **28**, 565–577.

103

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

104

105

S. Abdulla, *news@nature*, , DOI:10.1038/news990923-2.

106

107

5AD.

108

N. G. Cameron, 2004, **232**, 277–280.

109

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

110

K. R. Scott, R. M. Morgan, V. J. Jones and N. G. Cameron, *Forensic Science International*, 2014, **241**, 127–137.

111

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

112

M. H. A. Piette and E. A. De Letter, *Forensic Science International*, 2006, **163**, 1–9.

113

M. S. Pollanen, *Forensic Science International*, 1998, **91**, 29–34.

114

P. A. Siver, W. D. Lord and D. J. McCarthy, 1994, **39**, 847–853.

115

K. A. Zimmerman and J. R. Wallace, *Journal of Forensic Sciences*, 2008, **53**, 935–941.

116

117

13AD.

118

J. H. Brock and D. O. Norris, 1997, **42**, 364–367.

119

M. Horrocks and K. A. J. Walsh, Review of Palaeobotany and Palynology, 1998, **103**, 69–74.

120

D. C. Mildenhall, P. E. J. Wiltshire and V. M. Bryant, Forensic Science International, 2006, **163**, 163–172.

121

A. G. Brown, Forensic Science International, 2006, **163**, 204–210.

122

D. L. Hawksworth and P. E. J. Wiltshire, Forensic Science International, 2011, **206**, 1–11.

123

D. C. Mildenhall, Forensic Science International, 2006, **163**, 231–235.

124

P. E. J. Wiltshire, Forensic Science International, 2006, **163**, 173–182.

125

126

127

8AD.

128

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

129

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

130

Missing Persons, Routledge, 2016.

131

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

132

Brown, Antony G., Journal of Forensic Sciences, **47**, 614–618.

133

V. M. Bryant and G. D. Jones, Forensic Science International, 2006, **163**, 183–197.

134

V. M. Bryant, J. G. Jones and D. C. Mildenhall, Palynology, 1990, **14**, 193–208.

135

Horrocks, Mark, Journal of Forensic Sciences.

136

Horrocks, Mark, *Journal of Forensic Sciences*, **44**, 417–420.

137

J. Jantunen and K. Saarinen, *Aerobiologia*, 2011, **27**, 339–343.

138

D. C. Mildenhall, *Review of Palaeobotany and Palynology*, 1990, **64**, 227–234.

139

K. Pye, D. J. Croft, and Geological Society of London, *Forensic geoscience: principles, techniques and applications*, Geological Society, London, 2004, vol. 232.

140

Riding, Jb, *Palynology*, **31**, 135–151.

141

A. Ruffell, *Forensic Science International*, 2010, **202**, 9–12.

142

A. Ruffell and P. Wiltshire, *Forensic Science International*, 2004, **145**, 13–23.

143

P. E. J. Wiltshire, *Forensic Science International*, 2006, **163**, 173–182.

144

P. E. J. Wiltshire and S. Black, *Forensic Science International*, 2006, **163**, 224–230.

145

M. S. Zavada, S. M. McGraw and M. A. Miller, Grana, 2007, **46**, 285–291.

146

D. L. Hawksworth and P. E. J. Wiltshire, Forensic Science International, 2011, **206**, 1–11.

147

D. Etienne and I. Jouffroy-Bapicot, Vegetation History and Archaeobotany, 2014, **23**, 743–749.

148

P. D. Moore, J. A. Webb and M. E. Collinson, Pollen analysis, Blackwell Scientific Publications, Oxford, 2nd ed., 1991.

149

Nakagawa, T, Boreas, **27**, 15–24.

150

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

151

B. B. Dent, S. L. Forbes and B. H. Stuart, Environmental Geology, 2004, **45**, 576–585.

152

S. L. Forbes, B. H. Stuart and B. B. Dent, Forensic Science International, 2002, **127**, 225–230.

153

S. L. Forbes, B. H. Stuart and B. B. Dent, Forensic Science International, 2005, **154**, 24–34.

154

S. L. Forbes, B. B. Dent and B. H. Stuart, Forensic Science International, 2005, **154**, 35–43.

155

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

156

E. Stover, W. D. Haglund and M. Samuels, JAMA, , DOI:10.1001/jama.290.5.663.

157

M. Tibbett and D. O. Carter, Eds., Soil analysis in forensic taphonomy : chemical and biological effects of buried human remains, CRC, Boca Raton, Florida, 2008.

158

2014.

159

12AD.

160

G. S. Anderson and N. R. Hobischak, International Journal of Legal Medicine, , DOI:10.1007/s00414-004-0447-2.

161

T. Delabarde, C. Keyser, A. Tracqui, D. Charabidze and B. Ludes, *Forensic Science International*, 2013, **228**, e1–e5.

162

J. B. Keiper and D. A. Casamatta, *Journal of the North American Benthological Society*, 2001, **20**, 311–324.

163

R. Parker, A. Ruffell, D. Hughes and J. Pringle, *Science & Justice*, 2010, **50**, 141–149.

164

G. C. Dickson, R. T. M. Poulter, E. W. Maas, P. K. Probert and J. A. Kieser, *Forensic Science International*, 2011, **209**, 1–10.

165

P. A. Magni, C. Venn, I. Aquila, F. Pepe, P. Ricci, C. Di Nunzio, F. Ausania and I. R. Dadour, *Forensic Science International*, 2015, **247**, e6–e10.

166

M. Mateus, H. de Pablo and N. Vaz, *Forensic Science International*, 2013, **229**, e6–e12.

167

R. W. Merritt and J. R. Wallace, in *Forensic entomology : the utility of arthropods in legal investigations*, eds. J. H. Byrd and J. L. Castner, CRC Press, Boca Raton, 2000, pp. 271–320.

168

A. Ruffell, *Science & Justice*, 2006, **46**, 221–230.

169

170

171

172

R. J. Flanagan, *Forensic Science International*, 2018, **290**, e26–e28.

173

C. A. Schneider, W. S. Rasband and K. W. Eliceiri, *Nature Methods*, 2012, **9**, 671–675.

174

R. Cook, I. W. Evett, G. Jackson, P. J. Jones and J. A. Lambert, *Science & Justice*, 1998, **38**, 231–239.

175

P. White, *Crime scene to court: the essentials of forensic science*, Royal Society of Chemistry, Cambridge, UK, 2nd ed., 2004.

176

177

K. Inman and N. Rudin, *Forensic Science International*, 2002, **126**, 11–16.

178

I. W. Evett, C. E. H. Berger, J. S. Buckleton, C. Champod and G. Jackson, Forensic Science International, 2017, **278**, 16–23.

179

R. M. Morgan, P. Wiltshire, A. Parker and P. A. Bull, Forensic Science International, 2006, **162**, 152–162.

180

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

181

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

182

P. A. Bull, R. M. Morgan, A. Sagovsky and G. J. A. Hughes, Science & Justice, 2006, **46**, 185–195.

183

J. C. French, R. M. Morgan, P. Baxendell and P. A. Bull, Science & Justice, 2012, **52**, 33–41.

184

R. M. Morgan, G. Davies, F. Balestri and P. A. Bull, Science & Justice, 2013, **53**, 375–384.

185

Morgan, RM, in Criminal and Environmental Soil Forensics, Springer, 2009.

186

A. Slot, J. van der Weerd, M. Roos, M. Baiker, R. D. Stoel and M. C. Zuidberg, *Forensic Science International*, 2017, **275**, 178–186.

187

188

Kloster, Michael, *Fragilariopsis kerguelensis* images from sediment core PS1768-8, supplement to: Kloster, Michael; Kauer, Gerhard; Beszteri, Bánk (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, 2014.

189

Kloster, Michael, 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*, [https://ucl-new-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_datacite15843521&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_datacite15843521&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).

190

E. A. Levin, R. M. Morgan, L. D. Griffin and V. J. Jones, *Journal of Forensic Sciences*, , DOI:10.1111/1556-4029.13938.

191

E. A. Levin, R. M. Morgan, L. D. Griffin and V. J. Jones, *Journal of Forensic Sciences*, , DOI:10.1111/1556-4029.13938.

192

C. A. Schneider, W. S. Rasband and K. W. Eliceiri, *Nature Methods*, 2012, **9**, 671–675.

193

K. Schulze, U. M. Tillich, T. Dandekar and M. Frohme, *BMC Bioinformatics*, , DOI:10.1186/1471-2105-14-115.

194

M. R. Cox and M. Budhu, *Engineering Geology*, 2008, **96**, 1–16.

195

M. R. Cox and M. Budhu, *Engineering Geology*, 2008, **96**, 1–16.

196

C. Igathinathane, L. O. Pordesimo, E. P. Columbus, W. D. Batchelor and S. Sokhansanj, *Computers and Electronics in Agriculture*, 2009, **66**, 147–158.

197

A. Mazzoli and O. Favoni, *Powder Technology*, 2012, **225**, 65–71.

198

A. Mazzoli and G. Moriconi, *Micron*, 2014, **67**, 169–178.