

ARCL0096: Archaeobotanical analysis in practice

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1.

Fuller DQ. Archaeological Science in Field Training. From concepts of the past to practical strategies: the teaching of archaeological field techniques. London: Saffron; 2007. p. 183-205.

2.

Fritz GJ. Paleoethnobotanical Methods and Applications. Handbook of archaeological methods. Lanham, Md: Altamira Press; 2005. p. 771-832.

3.

Greig J, European Science Foundation. Archaeobotany. Strasbourg: European Science Foundation; 1989.

4.

Charles H. Miksicek. Formation Processes of the Archaeobotanical Record. Advances in Archaeological Method and Theory [Internet]. SpringerSpringer; 1987;10:211-247. Available from: https://www.jstor.org/stable/20210089?seq=1#page_scan_tab_contents

5.

Minnis PE. Seeds in Archaeological Sites: Sources and Some Interpretive Problems. American Antiquity. 1981 Jan;46(01):143-152.

6.

Pearsall DM. Paleoethnobotany: a handbook of procedures. 2nd ed. San Diego: Academic Press; 2000.

7.

Wilkinson K, Stevens C. Environmental archaeology: approaches, techniques & applications [Internet]. Stroud, Gloucestershire: Tempus; 2003. Available from: <https://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,shib&db=nlebk&AN=543878&site=ehost-live&scope=site&custid=s8454451>

8.

archaeobotany [Internet]. Available from: <https://sites.google.com/site/archaeobotany/>

9.

Hardy K, Kubiak-Martens L, editors. Wild harvest: plants in the hominin and pre-agrarian human worlds [Internet]. Oxford: Oxbow Books; 2016. Available from: <https://doi.org/10.2307/j.ctvh1dmjj>

10.

Harris DR, Hillman GC, World Archaeological Congress. Foraging and farming: the evolution of plant exploitation. London: Unwin Hyman; 1989.

11.

Hather JG. Tropical archaeobotany: applications and new developments. London: Routledge; 1994.

12.

Zeist W van, Casparie WA, International Work Group for Palaeoethnobotany. Symposium. Plants and ancient man: studies in palaeoethnobotany : proceedings of the Sixth Symposium of the International Work Group for Palaeoethnobotany, Groningen, 30 May-3 June 1983. Rotterdam: A.A. Balkema; 1984.

13.

Zeist W van, Wasylikowa K, Behre KE, Entjes-Nieborg G. Progress in old world palaeoethnobotany: a retrospective view on the occasion of 20 years of the International Work Group for Palaeoethnobotany. Rotterdam: A.A. Balkema; 1991.

14.

Antolín F, Buxó R. Proposal for the systematic description and taphonomic study of carbonized cereal grain assemblages: a case study of an early Neolithic funerary context in the cave of Can Sadurní (Begues, Barcelona province, Spain). *Vegetation History and Archaeobotany*. 2011 Jan;20(1):53-66.

15.

Hubbard RNLB, al Azm A. Quantifying preservation and distortion in carbonized seeds; and investigating the history of friké production. *Journal of Archaeological Science*. 1990 Jan;17(1):103-106.

16.

Colledge S. Identifying pre-domestication cultivation in the archaeobotanical record using multivariate analysis presenting the case for quantification. *The dawn of farming in the Near East*. Berlin: Ex Oriente; 2002. p. 141-152.

17.

Hastorf CA, Popper VS. Current paleoethnobotany: analytical methods and cultural interpretations of archaeological plant remains. Chicago: University of Chicago Press; 1988.

18.

Veen M van der, University of Sheffield. Department of Archaeology and Prehistory. Crop husbandry regimes: an archaeobotanical study of farming in northern England, 100BC-AD500. Sheffield: J.R. Collis Publications, Department of Archaeology and Prehistory, University of Sheffield; 1992.

19.

VanDerwarker AM, Peres TM. Integrating zooarchaeology and paleoethnobotany: a consideration of issues, methods, and cases. New York: Springer; 2010.

20.

Fuller DQ. Fifty Years of Archaeobotanical Studies in India: Laying a Solid Foundation. Indian archaeology in retrospect. New Delhi: Indian Council of Historical Research; 2002. p. 247–364.

21.

Harlan JR, American Society of Agronomy, Crop Science Society of America. Crops & man. 2nd ed. Madison, Wis., USA: American Society of Agronomy; 1992.

22.

Harlan JR. The living fields: our agricultural heritage. Cambridge [England]: Cambridge University Press; 1995.

23.

Hillman GC. Late Pleistocene changes in wild plant-foods available to hunter-gatherers of the northern Fertile Crescent: possible preludes to cereal cultivation. The origins and spread of agriculture and pastoralism in Eurasia. London: UCL Press; 1996. p. 159–203.

24.

Tanno K ichi, Willcox G. Distinguishing wild and domestic wheat and barley spikelets from early Holocene sites in the Near East. Vegetation History and Archaeobotany. 2012 Mar;21(2):107–115.

25.

Willcox G. The distribution, natural habitats and availability of wild cereals in relation to their domestication in the Near East: multiple events, multiple centres. Vegetation History and Archaeobotany. 2005 Dec;14(4):534–541.

26.

Zohary D, Hopf M, Weiss E. Domestication of plants in the Old World: the origin and spread of domesticated plants in south-west Asia, Europe, and the Mediterranean Basin [Internet]. 4th ed. Oxford: Oxford University Press; 2012. Available from: https://ucl-new-primo.hosted.exlibrisgroup.com/permalink/f/5qfvbu/UCL_LMS_DS21118913660004761

27.

Colledge S, Conolly J, Shennan S. The Evolution of Neolithic Farming from SW Asian Origins to NW European Limits. *European Journal of Archaeology*. 2005 Aug;8(2):137–156.

28.

Colledge S, Conolly J, Shennan S. Archaeobotanical Evidence for the Spread of Farming in the Eastern Mediterranean. *Current Anthropology*. 2004 Aug;45(S4):S35–S58.

29.

Conolly J, Manning K, Colledge S, Dobney K, Shennan S. Species distribution modelling of ancient cattle from early Neolithic sites in SW Asia and Europe. *The Holocene*. 2012 Sep;22(9):997–1010.

30.

Conolly J, Colledge S, Shennan S. Founder effect, drift, and adaptive change in domestic crop use in early Neolithic Europe. *Journal of Archaeological Science*. 2008 Oct;35(10):2797–2804.

31.

Coward F, Shennan S, Colledge S, Conolly J, Collard M. The spread of Neolithic plant economies from the Near East to northwest Europe: a phylogenetic analysis. *Journal of Archaeological Science*. 2008 Jan;35(1):42–56.

32.

Jones G, Charles MP, Jones MK, Colledge S, Leigh FJ, Lister DA, Smith LMJ, Powell W, Brown TA, Jones H. DNA evidence for multiple introductions of barley into Europe following dispersed domestications in Western Asia. *Antiquity*. 2013 Sep;87(337):701–713.

33.

Jones G, Jones H, Charles MP, Jones MK, Colledge S, Leigh FJ, Lister DA, Smith LMJ, Powell W, Brown TA. Phylogeographic analysis of barley DNA as evidence for the spread of Neolithic agriculture through Europe. *Journal of Archaeological Science*. 2012 Oct;39(10):3230–3238.

34.

Willcox G. Botanical evidence for the adoption of cultivation in Southeast Turkey. *The Neolithic in Turkey: new excavations & new research*. Istanbul: Archaeology & Art Publications; 2011. p. 267–280.

35.

Heiser CB. *Seed to civilization: the story of food*. 2d ed. San Francisco, Calif: Freeman; 1981.

36.

Kiple KF, Ornelas KC. *The Cambridge world history of food: volume one*. Cambridge: Cambridge University Press; 2000.

37.

Kiple KF, Ornelas KC. *The Cambridge world history of food: volume two*. Cambridge: Cambridge University Press; 2000.

38.

Rehm S, Espig G, Technical Centre for Agricultural and Rural Cooperation (Ede, Netherlands). *The cultivated plants of the tropics and subtropics: cultivation, economic value, utilization*. Weikersheim, West Germany: Verlag Josef Margraf; 1991.

39.

Jensen HA. Bibliography on seed morphology. Rotterdam: A.A. Balkema; 1998.

40.

Martin AC, Barkley WD. Seed identification manual. Caldwell, New Jersey: The Blackburn Press; 2000.

41.

Jane M. Renfrew Alan Eade. Palaeoethnobotany : the prehistoric food plants of the Near East and Europe / Jane M. Renfrew ; figures drawn by Alan Eade.

42.

Boardman S, Jones G. Experiments on the effects of charring on cereal plant components. *Journal of Archaeological Science*. 1990 Jan;17(1):1-11.

43.

Gustafsson S. Carbonized Cereal Grains and Weed Seeds in Prehistoric Houses—an Experimental Perspective. *Journal of Archaeological Science*. 2000 Jan;27(1):65-70.

44.

Wright P. Preservation or destruction of plant remains by carbonization? *Journal of Archaeological Science*. 2003 May;30(5):577-583.

45.

Mabberley DJ. The plant-book: a portable dictionary of the vascular plants utilising Kubitzki's The families and genera of vascular plants (1990), Cronquist's An integrated system of classification of flowering plants (1981), and current botanical literature arranged largely on the principles of editions 1-6 (1896/97-1931) of Willis's A dictionary of the flowering plants and ferns. 2nd ed., completely rev. Cambridge: Cambridge University Press; 1997.

46.

Crosquist A. The Evolution and Classification of Flowering Plants. Brookfield, VT, USA: New York Botanic Garden; 1988.

47.

Heywood VH. Flowering plants of the world. London: B.T. Batsford; 1993.

48.

Hickey M, King C. 100 families of flowering plants. Cambridge: Cambridge University Press; 1981.

49.

Judd WS. Plant systematics: a phylogenetic approach. 3rd ed. Sunderland, Mass; 2008.

50.

Mabberley DJ. The plant-book: a portable dictionary of the vascular plants utilising Kubitzki's The families and genera of vascular plants (1990), Cronquist's An integrated system of classification of flowering plants (1981), and current botanical literature arranged largely on the principles of editions 1-6 (1896/97-1931) of Willis's A dictionary of the flowering plants and ferns. 2nd ed., completely rev. Cambridge: Cambridge University Press; 1997.

51.

Taylor DW, Hickey LJ, American Institute of Biological Sciences. Meeting. Flowering plant origin, evolution & phylogeny. New York: Chapman & Hall; 1996.

52.

Heywood VH. Flowering plants of the world. London: B.T. Batsford; 1993.

53.

Percival J. Agricultural Botany : Percival, John. : Free Download & Streaming : Internet Archive [Internet]. 1946. Available from: <https://archive.org/details/agriculturalbota031851mbp>

54.

Robbins G. The botany of crop plants; a text and reference book : Robbins, Wilfred William, 1884-1952 : Free Download & Streaming : Internet Archive [Internet]. 1931. Available from: <https://archive.org/details/botanycropplant00robbgoog>

55.

Heywood VH, Goaman V, Dunkley J, King C. Flowering plants of the world. London: Croom Helm; 1978.

56.

Jacomets S. Identification of cereal remains from archaeological Sites. Identification of cereal remains from archaeological sites [Internet]. Basel University: IPAS; 2006; Available from: https://ipna.unibas.ch/archbot/pdf/Cereal_Id_Manual_engl.pdf

57.

Nesbitt M. Identification guide for Near Eastern grass seeds. London: Institute of Archaeology, University College London; 2006.

58.

Fuller DQ. Wheats: Origins and Development. Encyclopedia of global archaeology. New York: Springer Reference; 2014. p. 7812–7817.

59.

Fuller DQ. Barley: Origins and Development. Encyclopedia of global archaeology. New York: Springer Reference; 2014. p. 763–766.

60.

George Willcox archaeobotany [Internet]. Available from:
<http://g.willcox.pagesperso-orange.fr/>

61.

Domestication and Archaeobotany-cereals [Internet]. Available from:
http://www.ancientgrains.org/mark_papers.html

62.

Harlan JR, de Wet JM, Price EG. Comparative Evolution of Cereals. *Evolution*. 1973 Jun;27(2).

63.

Heiser CB. *Grasses: The Staff of Life. Seed to civilization: the story of food*. 2d ed. San Francisco, Calif: Freeman; 1981. p. 61–110.

64.

Elizabeth A. Kellogg. Evolutionary History of the Grasses. *Plant Physiology* [Internet]. American Society of Plant Biologists (ASPB) American Society of Plant Biologists (ASPB); 2001;125(3):1198–1205. Available from:
http://www.jstor.org/stable/4279749?seq=1#page_scan_tab_contents

65.

Elizabeth A. Kellogg. The Grasses: A Case Study in Macroevolution. *Annual Review of Ecology and Systematics* [Internet]. Annual Reviews Annual Reviews; 2000;31:217–238. Available from: http://www.jstor.org/stable/221731?seq=1#page_scan_tab_contents

66.

Zohary D, Hopf M, Weiss E. *Domestication of plants in the Old World: the origin and spread of domesticated plants in south-west Asia, Europe, and the Mediterranean Basin*. 4th ed. Oxford: Oxford University Press; 2012.

67.

Chapman GP. Grass evolution and domestication. Cambridge: Cambridge University Press; 1992.

68.

Fuller DQ. Contrasting Patterns in Crop Domestication and Domestication Rates: Recent Archaeobotanical Insights from the Old World. *Annals of Botany*. 2007 Jul 28;100(5):903–924.

69.

Hawks JG. Crops, weeds and man. [Birmingham: University of Birmingham; 1967.

70.

Judd WS. Plant systematics: a phylogenetic approach. Sunderland, Mass: Sinauer Associates; 1999.

71.

Fahn A. Plant anatomy. 4th ed. London: Butterworth-Heinemann; 1995.

72.

Martin AC. The Comparative Internal Morphology of Seeds. *American Midland Naturalist*. 1946 Nov;36(3).

73.

Baskin CC, Baskin JM. Seeds: ecology, biogeography, and evolution of dormancy and germination. London: Academic; 1998.

74.

Isely D. Investigations in Seed Classification by Family Characteristics. Agricultural

Experiment Station IOWA State College of Agriculture and Mechanic Arts-Botany and Plant Pathology Section [Internet]. Ames, IOWA: IOWA state college of Agriculture and Mechanic Arts; 1947;351. Available from:
<http://krishikosh.egranth.ac.in/bitstream/1/2033247/1/27841.pdf>

75.

Ames, Oakes. Economic annuals and human cultures [Internet]. Cambridge, Mass.: Botanical Museum of Harvard University; 1939. Available from:
[http://copac.jisc.ac.uk/search?title=Economic Annuals and human cultures&rn=1](http://copac.jisc.ac.uk/search?title=Economic+Annuals+and+human+cultures&rn=1)

76.

Raven PH, Evert RF, Eichhorn SE. Biology of plants. 7th ed. New York: W.H. Freeman and Company; 2005.

77.

Stewart WN, Rothwell GW. Paleobotany and the evolution of plants. 2nd ed. Cambridge: Cambridge University Press; 1993.

78.

Martin AC, Barkley WD. Seed identification manual. Caldwell, New Jersey: The Blackburn Press; 2000.

79.

Taylor DW, Hickey LJ, American Institute of Biological Sciences. Meeting. Flowering plant origin, evolution & phylogeny. New York: Chapman & Hall; 1996.

80.

Taylor TN, Taylor EL. The biology and evolution of fossil plants. Englewood Cliffs, New Jersey: Prentice Hall; 1993.

81.

Butler A. The Viciae: problems of identification. New light on early farming: recent developments in palaeobotany. Edinburgh: Edinburgh University Press; 1990. p. 61–73.

82.

Fuller DQ, Harvey EL. The archaeobotany of Indian pulses: identification, processing and evidence for cultivation. *Environmental Archaeology*. 2006 Oct;11(2):219–246.

83.

Smartt J. Grain legumes: evolution and genetic resources. Cambridge: Cambridge University Press; 1990.

84.

Zohary D, Hopf M, Weiss E. Domestication of plants in the Old World: the origin and spread of domesticated plants in south-west Asia, Europe, and the Mediterranean Basin. 4th ed. Oxford: Oxford University Press; 2012.

85.

Ann Butler. Trifolieae and related seeds from archaeological contexts: problems in identification. *Vegetation History and Archaeobotany* [Internet]. Springer; 1996;5(1):157–167. Available from: http://www.jstor.org/stable/23417534?seq=1#page_scan_tab_contents

86.

Langer RHM, Hill GD. Agricultural plants. 2nd ed. Cambridge [England]: Cambridge University Press; 1991.

87.

Tomooka N, Vaughan DA, Moss H, Maxted N. The Asian Vigna: genus Vigna subgenus Ceratotropis genetic resources. Dordrecht: Springer Science+Business Media, B.V.; 2002.

88.

Zohary D, Hopf M. Domestication of Pulses in the Old World: Legumes were companions of wheat and barley when agriculture began in the Near East. *Science*. 1973 Nov 30;182(4115):887–894.

89.

Agricultural Botany : Percival, John. : Free Download & Streaming : Internet Archive [Internet]. London: Duckworth; 1946. Available from: <https://archive.org/details/agriculturalbota031851mbp>

90.

Jane M. Renfrew Alan Eade. Palaeoethnobotany : the prehistoric food plants of the Near East and Europe / Jane M. Renfrew ; figures drawn by Alan Eade. [Internet]. Available from: [http://ucl-primo.hosted.exlibrisgroup.com/primo_library/libweb/action/display.do?tabs=detailsTab&ct=display&fn=search&doc=UCL_LMS_DS000083247&indx=2&recIds=UCL_LMS_DS000083247&recIdxs=1&elementId=1&renderMode=poppedOut&displayMode=full&frbrVersion=&frbg=&&dsct=0&scp.scps=scope%3A%28UCL_LMS_DS%29&tb=t&mode=Basic&vid=UCL_VU1&srt=rank&tab=local&dum=true&vl\(freeText0\)=Palaeoethnobotany&dstmp=1490013650231](http://ucl-primo.hosted.exlibrisgroup.com/primo_library/libweb/action/display.do?tabs=detailsTab&ct=display&fn=search&doc=UCL_LMS_DS000083247&indx=2&recIds=UCL_LMS_DS000083247&recIdxs=1&elementId=1&renderMode=poppedOut&displayMode=full&frbrVersion=&frbg=&&dsct=0&scp.scps=scope%3A%28UCL_LMS_DS%29&tb=t&mode=Basic&vid=UCL_VU1&srt=rank&tab=local&dum=true&vl(freeText0)=Palaeoethnobotany&dstmp=1490013650231)

91.

Heywood VH, Goaman V, Dunkley J, King C. Flowering plants of the world. London: Croom Helm; 1978.

92.

Fritz GJ. Paleoethnobotanical Methods and Applications. Handbook of archaeological methods. Lanham, Md: Altamira Press; 2005. p. 771–832.

93.

Pearsall DM. Paleoethnobotany: a handbook of procedures. 2nd ed. San Diego: Academic Press; 2000.

94.

Harris DR. Alternative pathways towards agriculture. *Origins of agriculture* / editor Charles A Reed [Internet]. p. 179–243. Available from:
[http://ucl-primo.hosted.exlibrisgroup.com/primo_library/libweb/action/display.do?tabs=detailsTab&ct=display&fn=search&doc=UCL_LMS_DS000279572&indx=1&reclids=UCL_LMS_DS000279572&reclidx=0&elementId=0&renderMode=poppedOut&displayMode=full&frbrVersion=&frbg=&&dscnt=0&scp.scps=scope%3A%28UCL_LMS_DS%29&tb=t&vid=UCL_VU1&mode=Basic&srt=rank&tab=local&dum=true&vl\(freeText0\)=Origins%20of%20agriculture&dstmp=1490266820747](http://ucl-primo.hosted.exlibrisgroup.com/primo_library/libweb/action/display.do?tabs=detailsTab&ct=display&fn=search&doc=UCL_LMS_DS000279572&indx=1&reclids=UCL_LMS_DS000279572&reclidx=0&elementId=0&renderMode=poppedOut&displayMode=full&frbrVersion=&frbg=&&dscnt=0&scp.scps=scope%3A%28UCL_LMS_DS%29&tb=t&vid=UCL_VU1&mode=Basic&srt=rank&tab=local&dum=true&vl(freeText0)=Origins%20of%20agriculture&dstmp=1490266820747)

95.

Hosoya LA. Staple or famine food?: ethnographic and archaeological approaches to nut processing in East Asian prehistory. *Archaeological and Anthropological Sciences*. 2011 Mar;3(1):7–17.

96.

López-Dóriga IL. An experimental approach to the taphonomic study of charred hazelnut remains in archaeological deposits. *Archaeological and Anthropological Sciences*. 2015 Mar;7(1):39–45.

97.

Menninger EA. *Edible nuts of the world*. Stuart, FL: Horticultural Books, Inc; 1977.

98.

Rosengarten F. *The book of edible nuts*. New York: Walker and Company; 1984.

99.

Takahashi R. Nut exploitation in Jomon Society. *Hunter-gatherer archaeobotany: perspectives from the northern temperate zone*. London: Institute of Archaeology, University College London; 2002. p. 146–155.

100.

AYODELE AE, ZHOU ZK. Scanning electron microscopy of fruits in the West African

Polygonaceae. Journal of Systematics and Evolution. 2010 Sep 26;48(5):336–343.

101.

DECRAENE LPR, AKEROYD JR. Generic limits in *Polygonum* and related genera (Polygonaceae) on the basis of floral characters. Botanical Journal of the Linnean Society. 1988 Dec;98(4):321–371.

102.

Yurtseva OV. Ultrasculpture of achene surface in *Polygonum* section *Polygonum* (Polygonaceae) in Russia. Nordic Journal of Botany. 2001 Dec;21(5):513–528.

103.

Simpson DA. Phylogeny of Cyperaceae Based on DNA Sequence Data—a New rbcL Analysis. Aliso: A Journal of Systematic and Evolutionary Botany [Internet]. California, USA: Claremont Colleges Library; 2007;Volume 23(Issue 1). Available from: <http://scholarship.claremont.edu/cgi/viewcontent.cgi?article=1065&context=aliso>

104.

Wollstonecroft MM, Hroudová Z, Hillman GC, Fuller DQ. *Bolboschoenus glaucus* (Lam.) S.G. Smith, a new species in the flora of the ancient Near East. Vegetation History and Archaeobotany. 2011 Sep;20(5):459–470.

105.

Edlin HL. Man and plants. London: Aldus; 1967.

106.

Zohary D, Hopf M. Domestication of Pulses in the Old World: Legumes were companions of wheat and barley when agriculture began in the Near East. Science. 1973 Nov 30;182(4115):887–894.

107.

Langer RHM, Hill GD. Agricultural plants. 2nd ed. Cambridge [England]: Cambridge University Press; 1991.

108.

Heywood VH. Flowering plants of the world. London: B.T. Batsford; 1993.

109.

Fuller D. The spread of textile production and textile crops in India beyond the Harappan zone: an aspect of the emergence of craft specialization and systematic trade. *Linguistics, archaeology and the human past*. Kyoto, Japan: Indus Project, Research Institute for Humanity and Nature; 2009. p. 1–26.

110.

Dempewolf H, Rieseberg LH, Cronk QC. Crop domestication in the Compositae: a family-wide trait assessment. *Genetic Resources and Crop Evolution*. 2008 Dec;55(8):1141–1157.

111.

Robbins G. The botany of crop plants; a text and reference book : Robbins, Wilfred William, 1884-1952 : Free Download & Streaming : Internet Archive [Internet]. 1931. Available from: <https://archive.org/details/botanycropplant00robbgoog>

112.

Chapman MA, Burke JM. DNA sequence diversity and the origin of cultivated safflower (*Carthamus tinctorius* L.; Asteraceae). *BMC Plant Biology*. 2007;7(1).

113.

de Vries IM. Origin and domestication of *Lactuca sativa* L. *Genetic Resources and Crop Evolution*. 1997;44(2):165–174.

114.

Gregory M. Plunkett and Stephen R. Downie. Major Lineages within Apiaceae Subfamily Apioideae: A Comparison of Chloroplast Restriction Site and DNA Sequence Data. American Journal of Botany [Internet]. Botanical Society of America, Inc. Botanical Society of America, Inc.; 1999;86(7):1014–1026. Available from: http://www.jstor.org/stable/2656619?seq=1#page_scan_tab_contents

115.

Vaughan JG. The structure and utilization of oil seeds. London: Chapman & Hall; 1970.

116.

Vaughan JG. The structure and utilization of oil seeds. London: Chapman & Hall; 1970.

117.

Heywood VH, Brummitt RK, Culham A, Seberg O, Royal Botanic Gardens, Kew. Flowering plant families of the world. 3rd ed. Richmond, Surrey: Royal Botanic Gardens, Kew; 2007.

118.

Martin AC, Barkley WD. Seed identification manual. Caldwell, New Jersey: The Blackburn Press; 2000.

119.

Judd WS. Plant systematics: a phylogenetic approach. Sunderland, Mass: Sinauer Associates; 1999.

120.

Decker-Walters DS. Squash. The Cambridge world history of food: volume one. Cambridge: Cambridge University Press; 2000. p. 335–350.

121.

Fuller DQ. Further Evidence on the Prehistory of Sesame. Asian Agri-History [Internet]. India: Asian Agri-History Foundation; 2003;7(2):127–137. Available from: <http://www.homepages.ucl.ac.uk/~tcrndfu/articles/Sesame2.pdf>

122.

Langer RHM, Hill GD. Agricultural plants. 2nd ed. Cambridge [England]: Cambridge University Press; 1991.

123.

Maynard D. Cucumbers, Melons and Watermelons. The Cambridge world history of food: volume one. Cambridge: Cambridge University Press; 2000. p. 298–312.

124.

Zohary D, Hopf M, Weiss E. Domestication of plants in the Old World: the origin and spread of domesticated plants in south-west Asia, Europe, and the Mediterranean Basin. 4th ed. Oxford: Oxford University Press; 2012.

125.

Dorothea Bedigian. History and Lore of Sesame in Southwest Asia. Economic Botany [Internet]. SpringerNew York Botanical Garden PressNew York Botanical Garden Press; 2004;58(3):329–353. Available from: http://www.jstor.org/stable/4256831?seq=1#page_scan_tab_contents

126.

Boesewinkel FD. A comparative SEM study of seed coats of recent and of 900-110 years old, subfossil linseed. Berichte der Deutschen botanischen Gesellschaft. Berlin: Gebrüder Borntraeger; 1984;97:443–450.

127.

Deena S. Decker-Walters. Cucurbits, Sanskrit, and the Indo-Aryas. Economic Botany [Internet]. SpringerNew York Botanical Garden PressNew York Botanical Garden Press; 1999;53(1):98–112. Available from: http://www.jstor.org/stable/4256161?seq=1#page_scan_tab_contents

128.

Fuller DQ. The spread of textile production and textile crops in India beyond the Harappan zone: an aspect of the emergence of craft specialization and systematic trade. *Linguistics, archaeology and the human past*. Kyoto: Research Institute for Humanity and Nature; 2008. p. 1–26.

129.

Janick J, Paris HS, Parrish DC. The Cucurbits of Mediterranean Antiquity: Identification of Taxa from Ancient Images and Descriptions. *Annals of Botany*. 2007 Sep 19;100(7):1441–1457.

130.

McCorriston J. Textile Extensification, Alienation, and Social Stratification in Ancient Mesopotamia. *Current Anthropology*. 1997 Aug;38(4):517–535.

131.

Vaughan JG. *The structure and utilization of oil seeds*. London: Chapman & Hall; 1970.

132.

Terrence W. Walters. Historical Overview on Domesticated Plants in China with Special Emphasis on the Cucurbitaceae. *Economic Botany* [Internet]. SpringerNew York Botanical Garden PressNew York Botanical Garden Press; 1989;43(3):297–313. Available from: http://www.jstor.org/stable/4255174?seq=1#page_scan_tab_contents

133.

Zohary D, Hopf M, Weiss E. *Domestication of plants in the Old World: the origin and spread of domesticated plants in south-west Asia, Europe, and the Mediterranean Basin*. 4th ed. Oxford: Oxford University Press; 2012.

134.

Charles MP. Introductory remarks on the cereals. Bulletin of Sumerian agriculture. Cambridge: Sumarian Agriculture Group; 1984;1:17–31.

135.

Colledge S. Plant exploitation on epipalaeolithic and early neolithic sites in the Levant. Oxford: British Archaeological Reports; 2001.

136.

Hillman G. Archaeology, Percival , and the problems of identifying wheat remains. Wheat taxonomy: the legacy of John Percival. London: Academic Press:, Linnean Society of London; 2001. p. 27–36.

137.

Jones G. Wheat Grain Identification – Why Bother? Environmental Archaeology. 1997 Jun;2(1):29–34.

138.

Kohler-Schneider M. Contents of a storage pit from late Bronze Age Stillfried, Austria: another record of the 'new' glume wheat. Vegetation History and Archaeobotany. 2003 Sep 1;12(2):105–111.

139.

Kreuz A, Boenke N. The presence of two-grained einkorn at the time of the Bandkeramik culture. Vegetation History and Archaeobotany. 2002 Sep 1;11(3):233–240.

140.

Nesbitt M. Wheat evolution: integrating archaeological evidence. Wheat taxonomy: the legacy of John Percival. London: Academic Press:, Linnean Society of London; 2001. p. 37–60.

141.

Tanno K ichi, Willcox G. Distinguishing wild and domestic wheat and barley spikelets from early Holocene sites in the Near East. *Vegetation History and Archaeobotany*. 2012 Mar;21(2):107–115.

142.

Antolín F, Buxó R. Proposal for the systematic description and taphonomic study of carbonized cereal grain assemblages: a case study of an early Neolithic funerary context in the cave of Can Sadurní (Begues, Barcelona province, Spain). *Vegetation History and Archaeobotany*. 2011 Jan;20(1):53–66.

143.

Charles M, Forster E, Wallace M, Jones G. "Nor ever lightning char thy grain"
: establishing archaeologically relevant charring conditions and their effect on glume wheat grain morphology. *STAR: Science & Technology of Archaeological Research*. 2015 Mar 31;1(1):1–6.

144.

Gros-Balthazard M, Newton C, Ivorra S, Pierre MH, Pintaud JC, Terral JF. The Domestication Syndrome in *Phoenix dactylifera* Seeds: Toward the Identification of Wild Date Palm Populations. *PLOS ONE*. 2016 Mar 24;11(3).

145.

Hubbard RNLB, al Azm A. Quantifying preservation and distortion in carbonized seeds; and investigating the history of friké production. *Journal of Archaeological Science*. 1990 Jan;17(1):103–106.

146.

Liphschitz N, Bonani G. Wild and Cultivated Date Palm () from Qumran Cave 24. Tel Aviv. 2001 Sep;28(2):305–309.

147.

Liphschitz N, Gophna R, Bonani G, Feldstein A. Wild Olive () Stones from a Chalcolithic Cave at Shoham, Israel and their Implications. Tel Aviv. 1996

Sep;23(2):135–142.

148.

Mangafa M, Kotsakis K. A New Method for the Identification of Wild and Cultivated Charred Grape Seeds. *Journal of Archaeological Science*. 1996 May;23(3):409–418.

149.

Goddard J, Nesbitt M. Why draw seeds? Illustrating archaeobotany. *Graphic Archaeology* 1997 [Internet]. 1997;13–21. Available from: <http://ancientgrains.org/nesbitt1997draw.pdf>

150.

Pagnoux C, Bouby L, Ivorra S, Petit C, Valamoti SM, Pastor T, Picq S, Terral JF. Inferring the agrobiodiversity of *Vitis vinifera* L. (grapevine) in ancient Greece by comparative shape analysis of archaeological and modern seeds. *Vegetation History and Archaeobotany*. 2015 Jan;24(1):75–84.

151.

Ros J, Evin A, Bouby L, Ruas MP. Geometric morphometric analysis of grain shape and the identification of two-rowed barley (*Hordeum vulgare* subsp. *distichum* L.) in southern France. *Journal of Archaeological Science*. 2014 Jan;41:568–575.

152.

Deng Z, Qin L, Gao Y, Weisskopf AR, Zhang C, Fuller DQ. From Early Domesticated Rice of the Middle Yangtze Basin to Millet, Rice and Wheat Agriculture: Archaeobotanical Macro-Remains from Baligang, Nanyang Basin, Central China (6700–500 BC). *PLOS ONE*. 2015 Oct 13;10(10).

153.

De Wet. Millets. *The Cambridge world history of food: volume one*. Cambridge: Cambridge University Press; 2000. p. 112–121.

154.

Fuller DQ. Millets: Origins and Development. In: Smith C, editor. Encyclopedia of Global Archaeology [Internet]. New York, NY: Springer New York; 2014. p. 4945–4948. Available from: http://link.springer.com/10.1007/978-1-4419-0465-2_2181

155.

Fuller D. Fifty years of Archaeobotanical Studies in India: Laying a Solid foundation. Indian archaeology in retrospect. New Delhi: Indian Council of Historical Research; 2002. p. 247–364.

156.

Fuller D. African crops in prehistoric South Asia: a critical review. Food, fuel and fields: progress in African archaeobotany. Köln: Heinrich Barth-Institut; 2003. p. 239–271.

157.

Nesbitt M, Summers GD. Some recent Discoveries of Millet (*Panicum Miliaceum* L. and *Setaria italica* (L.) P. Beauv.) at Excavations in Turkey and Iran. *Anatolian Studies*. 1988 Dec;38:85–97.

158.

Song J, Zhao Z, Fuller DQ. The archaeobotanical significance of immature millet grains: an experimental case study of Chinese millet crop processing. *Vegetation History and Archaeobotany*. 2013 Mar;22(2):141–152.

159.

Weber SA, Fuller D. Millets and their role in early agriculture. *Pragdhara* (Journal of the Uttar Pradesh State Archaeology Department) [Internet]. Lucknow, India: Uttar Pradesh State Archaeology Department; 2008;18:69–90. Available from: https://www.ucl.ac.uk/archaeology/people/staff/fuller/usercontent_profile/pictures/Weber_Fuller08_Millets_Review.pdf

160.

National Academy of Sciences (U.S.). Board on Science and Technology for International Development, National Research Council (U.S.). *Lost crops of Africa: Vol. 1: Grains*. Washington, D.C.: National Academy Press; 1996.

161.

Jere Brunken, J. M. J. de Wet and J. R. Harlan. The Morphology and Domestication of Pearl Millet. *Economic Botany* [Internet]. SpringerNew York Botanical Garden PressNew York Botanical Garden Press; 1977;31(2):163–174. Available from: http://www.jstor.org/stable/4253828?seq=1#page_scan_tab_contents

162.

A. C. D'Andrea. T'ef (*Eragrostis tef*) in Ancient Agricultural Systems of Highland Ethiopia. *Economic Botany* [Internet]. SpringerNew York Botanical Garden PressNew York Botanical Garden Press; 2008;62(4):547–566. Available from: http://www.jstor.org/stable/40390389?seq=1#page_scan_tab_contents

163.

Fuller DQ. Finger Millet: Origins and Development. In: Smith C, editor. *Encyclopedia of Global Archaeology* [Internet]. New York, NY: Springer New York; 2014. p. 2783–2785. Available from: http://link.springer.com/10.1007/978-1-4419-0465-2_2314

164.

Fuller DQ. Agricultural Innovation and State Collapse in Meroitic Nubia: The Impact of the Savannah Package. *Archaeology of African plant use*. Walnut Creek, Calif: Left Coast Press; 2014. p. 165–178.

165.

Harlan JR, de Wet JM. A Simplified Classification of Cultivated Sorghum. *Crop Science*. 1972;12(2).

166.

Harlan JR. The races of sorghum in Africa. *Origins of African plant domestication*. The Hague: Mouton; 1976. p. 465–478.

167.

Khidir W. Hilu and J. M. J. de Wet. Domestication of *Eleusine coracana*. *Economic Botany* [Internet]. SpringerNew York Botanical Garden PressNew York Botanical Garden Press; 1976;30(3):199–208. Available from:
https://www.jstor.org/stable/4253732?seq=1#page_scan_tab_contents

168.

K. W. Hilu and J. M. J. De Wet. Racial Evolution in *Eleusine coracana* ssp. *Coracana* (Finger Millet). *American Journal of Botany* [Internet]. Botanical Society of America, Inc. Botanical Society of America, Inc.; 1976;63(10):1311–1318. Available from:
https://www.jstor.org/stable/2441839?seq=1#page_scan_tab_contents

169.

K. W. Hilu, J. M. J. de Wet and J. R. Harlan. Archaeobotanical Studies of *Eleusine coracana* ssp. *coracana* (Finger Millet). *American Journal of Botany* [Internet]. Botanical Society of America, Inc. Botanical Society of America, Inc.; 1979;66(3):330–333. Available from:
https://www.jstor.org/stable/2442610?seq=1#page_scan_tab_contents

170.

Kingwell-Banham E, Fuller DQ. Brown Top Millet: Origins and Development. In: Smith C, editor. *Encyclopedia of Global Archaeology* [Internet]. New York, NY: Springer New York; 2014. p. 1021–1024. Available from:
http://link.springer.com/10.1007/978-1-4419-0465-2_2318

171.

Manning K, Pelling R, Higham T, Schwenniger JL, Fuller DQ. 4500-Year old domesticated pearl millet (*Pennisetum glaucum*) from the Tilemsi Valley, Mali: new insights into an alternative cereal domestication pathway. *Journal of Archaeological Science*. 2011 Feb;38(2):312–322.

172.

Stemler AB. A scanning electron microscope analysis of plant impressions in pottery from sites of Kadero, El Zakiab, Um Direiwa and El Kadada. *Archéologie du Nil moyen*. [Lille]: F.

Geus; 1990;4:87-106.

173.

Capparelli A, Valamoti SM, Wollstonecroft MM. After the harvest: investigating the role of food processing in past human societies. *Archaeological and Anthropological Sciences*. 2011 Mar;3(1):1-5.

174.

Fuller D. Routine activities, tertiary refuse, and Labor organization. Social inferences from everyday archaeobotany. In: Madella M, Lancelotti C, Savard M, editors. *Ancient plants and people: contemporary trends in archaeobotany* [Internet]. Tucson: The University of Arizona Press; 2014. p. 174-217. Available from: <http://www.jstor.org/stable/10.2307/j.ctt1814hr4>

175.

Harvey EL, Fuller DQ. Investigating crop processing using phytolith analysis: the example of rice and millets. *Journal of Archaeological Science*. 2005 May;32(5):739-752.

176.

Hillman GC. *Reconstructing crop husbandry practices from charred remains of crops. Farming practice in British prehistory*. [New ed.]. Edinburgh: Edinburgh University Press; 1981. p. 123-162.

177.

Jones G. A statistical approach to the archaeological identification of crop processing. *Journal of Archaeological Science*. 1987 May;14(3):311-323.

178.

Reddy SN. If the Threshing Floor Could Talk: Integration of Agriculture and Pastoralism during the Late Harappan in Gujarat, India. *Journal of Anthropological Archaeology*. 1997 Jun;16(2):162-187.

179.

Seetha N. REDDY. Fueling the hearths in India : the role of dung in paleoethnobotanical interpretation. *Paléorient* [Internet]. Paleorient and CNRS EditionsCNRS EditionsPaleorient and CNRS Editions; 1998;24(2):61–70. Available from: https://www.jstor.org/stable/41492712?seq=1#page_scan_tab_contents

180.

Stevens CJ. An Investigation of Agricultural Consumption and Production Models for Prehistoric and Roman Britain. *Environmental Archaeology*. 2003 Apr;8(1):61–76.

181.

Ruth Young. Finger Millet Processing in East Africa. *Vegetation History and Archaeobotany* [Internet]. SpringerSpringer; 1999;8(1):31–34. Available from: https://www.jstor.org/stable/23417640?seq=1#page_scan_tab_contents

182.

Charles M, Jones G, Hodgson JG. FIBS in Archaeobotany: Functional Interpretation of Weed Floras in Relation to Husbandry Practices. *Journal of Archaeological Science*. 1997 Dec;24(12):1151–1161.

183.

Manfred Rösch. The history of crops and crop weeds in south-western Germany from the Neolithic period to modern times, as shown by archaeobotanical evidence. *Vegetation History and Archaeobotany* [Internet]. SpringerSpringer; 1998;7(2):109–125. Available from: https://www.jstor.org/stable/23417297?seq=1#page_scan_tab_contents

184.

Willcox G. Searching for the origins of arable weeds in the Near East. *Vegetation History and Archaeobotany*. 2012 Mar;21(2):163–167.

185.

Gordon Hillman, Sue Wales, Frances McLaren, John Evans and Ann Butler. Identifying

Problematic Remains of Ancient Plant Foods: A Comparison of the Role of Chemical, Histological and Morphological Criteria. *World Archaeology* [Internet]. Taylor & Francis, Ltd. Taylor & Francis, Ltd.; 1993;25(1):94–121. Available from: https://www.jstor.org/stable/124756?seq=1#page_scan_tab_contents

186.

Hather JG. *Archaeological parenchyma*. London: Archetype; 2000.

187.

Hather JG. A Morphological Classification of Roots and Tubers and its bearing on the Origins of Agriculture in Southwest Asia and Europe. *Journal of Archaeological Science*. 1994 Nov;21(6):719–724.

188.

Langer RHM, Hill GD. *Agricultural plants*. 2nd ed. Cambridge [England]: Cambridge University Press; 1991.

189.

Kubiak-Martens L. Evidence for possible use of plant foods in Palaeolithic and Mesolithic diet from the site of Całowanie in the central part of the Polish Plain. *Vegetation History and Archaeobotany*. 1996 Jun;5(1-2):33–38.

190.

Ugent D, Pozorski S, Pozorski T. Archaeological potato tuber remains from the casma valley of peru. *Economic Botany*. 1982 Apr;36(2):182–192.

191.

Wollstonecroft MM, Ellis PR, Hillman GC, Fuller DQ. Advances in plant food processing in the Near Eastern Epipalaeolithic and implications for improved edibility and nutrient bioaccessibility: an experimental assessment of *Bolboschoenus maritimus* (L.) Palla (sea club-rush). *Vegetation History and Archaeobotany*. 2008 Dec;17(S1):19–27.

192.

Fahn A. Plant anatomy. 4th ed. London: Butterworth-Heinemann; 1995.

193.

Fredlund GG, Tieszen LT. Modern Phytolith Assemblages from the North American Great Plains. *Journal of Biogeography*. 1994 May;21(3).

194.

Madella M, Zurro D. Plants, people and places: recent studies in phytolithic analysis. Oxford: Oxbow; 2007.

195.

International Code for Phytolith Nomenclature 1.0. *Annals of Botany*. 2005 May 13;96(2):253–260.

196.

Powers AH. Great expectations: a short historical review of European phytolith systematics. *Phytolith systematics: emerging issues*. New York: Plenum Press; 1992. p. 15–35.

197.

Pearsall DM, Trimble MK. Identifying past agricultural activity through soil phytolith analysis: a case study from the Hawaiian islands. *Journal of Archaeological Science*. 1984 Mar;11(2):119–133.

198.

Pearsall DM. *Paleoethnobotany: a handbook of procedures*. 2nd ed. San Diego: Academic Press; 2000.

199.

Pearsall DM, Piperno DR. Current research in phytolith analysis: applications in archaeology and paleoecology. Philadelphia: MASCA, The University Museum of Archaeology and Anthropology, University of Pennsylvania; 1993.

200.

Piperno DR. Phytolith analysis: an archaeological and geological perspective. San Diego: Academic Press; 1988.

201.

Piperno DR. Phytoliths: a comprehensive guide for archaeologists and paleoecologists. Lanham, Md: AltaMira Press; 2006.

202.

Asouti E, Fuller DQ. Trees and woodlands of south India: archaeological perspective. Walnut Creek, Calif: Left Coast Press; 2008.

203.

Fahn A, Werker E, Baas P, Akademyah ha-le'umit ha-Yisre'elit le-mada'im. Wood anatomy and identification of trees and shrubs from Israel and adjacent regions. Jerusalem: Israel Academy of Sciences and Humanities; 1986.

204.

Gale R, Cutler D. Plants in archaeology: identification manual of vegetative plant materials used in Europe and the southern Mediterranean to c. 1500. Otley: Westbury and Royal Botanic Gardens, Kew; 2000.

205.

Hather JG. The identification of northern European woods: a guide for archaeologists and conservators. London: Archetype; 26AD.

206.

IAWA LIST OF MICROSCOPIC FEATURES FOR SOFTWOOD IDENTIFICATION. IAWA Journal. 2004 Jan 1;25(1):1-70.

207.

IAWA list of microscopic features for hardwood identification. IAWA Journal. 1989 Jan 1;10(3):219-232.

208.

Schweingruber FH, Eidgenössische Forschungsanstalt für Wald, Schnee und Landschaft. Anatomie europäischer Hölzer: ein Atlas zur Bestimmung europäischer Baum-, Strauch-, und Zwergstrauchhölzer. Bern: Verlag P. Haupt; 1990.

209.

Schweingruber FH, Lenz O, Amiet R, Baudais-Lundström K. Mikroskopische Holzanatomie: Formenspektren mitteleuropäischer Stamm- und Zweighölzer zur Bestimmung von rezentem und subfossilem Material. 3. Aufl. Teufen: F. Flück-Wirth; 1990.

210.

IAWA: The International Association of Wood Anatomists [Internet]. Available from: <http://www.iawa-website.org/>

211.

Inside Wood - Search the Inside Wood Database [Internet]. Available from: <http://insidewood.lib.ncsu.edu/search;jsessionid=815DFD6BC63317C3442B765B9A32E1BE?0>