

Conference Program

MONDAY 3rd JUNE 2019

08.30 - 09.30 *Reception*

09.30 - 10.30 Introduction and welcome

10.30 - 11.00 *Coffee break*

11.00 - 12.00 In Memory of M. Follieri & G. Hillman

Session 1: ORIGINS AND DIFFUSION OF CULTIVATED PLANTS (Building 6, Room 7)

12.00 - 12.15 FULLER D. Q.

Secondary domestication of grain crops: parallelisms evolving under entrenched farming

pp. 29-30

12.15 - 12.30 GOPHER A., ABBO S.

The cultural distinction between plant domestication and crop evolution: The question of Resolution

pag. 30

12.30 - 12.45 WEIDE A., RIEHL S., ZEIDI M., CONRAD N. J.

Pre-agricultural subsistence strategies in the Early Neolithic of the Zagros Mountains: moving beyond a focus on the “wild progenitor species”

pp. 42-43

12.45 - 13.00 LONGFORD C., STEWART K., JONES G., WALLACE M., BROWN T.

ADAPT: Spread of Crops in Neolithic Europe

pag. 33

13.00 - 14.30 *Lunch*

- 14.30 - 14.45 ENDO E., NASU H., GASKEVYCH D., YANEVICH A., *et alii*
Ukraine as the crossroad for agricultural dispersal in Eurasia *pag. 27*
- 14.45 - 15.00 FILIPOVIĆ D., MEADOWS J., DAL CORSO M., EFFENBERGER H., *et alii*
Ex Oriente seges: the arrival and establishment of broomcorn millet in Europe *pp. 28-29*
- 15.00 - 15.15 TENGBERG M., WILLCOX G., ROUSOU M., DOUCHE' C., PARES A.
Vegetation and plant exploitation at Pre-Pottery Neolithic Ayios Tychonas-Klimonas with special focus on the introducing of crop plants from the continental Near East *pag. 40*
- 15.15 - 15.30 MOSULISHVILI M., BEDOSHVILI D., RUSISHVILI N., MAISAIA I.
Georgia, the South Caucasus as the Origin Place of *Triticum spelta* *pag. 35*
- 15.30 - 15.45 CASTILLO C.
Agricultural transitions in Prehistoric Southeast Asia: switching from dryland to wetland rice economies *pag. 26*
- 15.45 - 16.00 HUNT H., KRZYZANSKA M., CREMA E., JONES M.
Crops, Pollinators and People: constraints on the origins and spread of buckwheat *pag. 31*
- 16.00 - 16.15 MARTIN L., HERRSCHER E., RUSISHVILI N., LEBEDEVA E., *et alii*
Was millet domesticated in the Caucasus? First appearance of *Panicum miliaceum* and *Setaria italica*: an archaeobotanical and isotopic approach *pp. 33-34*
- 16.15 - 16.45 *Coffee break*
- 16.45 - 17.00 JESUS A., BONHOMME V., EVIN A., IVORRA S., *et alii*
The status of *Papaver somniferum* as a crop in Neolithic Europe. First results of the application of geometric morphometrics to distinguish between wild and domestic seeds *pag. 32*
- 17.00 - 17.15 SALAVERT A., ZAZZO A., ANTOLÍN F., MARTIN L., *et alii*
New Radiocarbon dates for the early dispersal of Opium poppy (*Papaver somniferum* L.) in Western Europe *pag. 37-38*
- 17.15 - 17.30 PAGNOUX C., BOUBY L., BONHOMME V., IVORRA S., *et alii*
Grapevine (*Vitis vinifera* L.) domestication and viticulture history in Greece from Neolithic to the Archaic period: insights from geometric morphometric analyses of archaeological grape seeds *pag. 37*
- 17.30 - 17.45 EL DORRY M.A., BOUCHAUD C., PAGNOUX C., REDON B., *et alii*
Agriculture-Viticulture in the New Kingdom-Early Roman Egyptian Delta *pp. 26-27*
- 17.45 - 18.00 NASU H.
Domestication of soybean, azuki, and barnyard millet in Japan *pag. 36*

- 18.00 - 18.15 BOUCHAUD C., DABROWSKI V., DAL-PRÀ P., *et alii*
Absolute chronology of cotton dispersal in Arabia and Africa *pag. 25*
- 18.15 - 18.30 SPENGLER III R. S.
Shifting Seed-Dispersal mechanisms during Early plant domestication *pag. 39*
- 18.30 - 18.45 WALLACE M., MARTIN P., RUSSELL J., BONHOMME V., *et alii*
Going beyond barley: adaptation and importation of barley varieties to Northern Scotland *pag. 42*
- 18.45 - 19.00 ANDREASEN M. H.
Parallel worlds in the Neolithic: Coastal hunter-gatherers in Southern Scandinavia. An interdisciplinary investigation of the Pitted Ware Culture *pag. 24*

TUESDAY 4th JUNE 2019

Session 1: ORIGINS AND DIFFUSION OF CULTIVATED PLANTS (Building 6, Room 7)

- 08.30 - 08.45 STEVENS C.
Identifying the processes of selection in the evolution of domesticated millets in Northern China *pag. 39*
- 08.45 - 09.00 HOVSEPYAN R.
On plant economy in the Middle Bronze age in the South Caucasus *pp. 30-31*
- 09.00 - 09.15 MUELLER-BIENIEK A., KAPCIA M., MOSKAL-DEL HOYO M., NOWAK M.
Plant used by people of the Funnel Beaker culture at Mozgawa site, S Poland *pp. 35-36*
- 09.15 - 09.30 MINKEVICIUS K.
From Hilltops to Hillforts: Archaeobotany of Prehistoric settlements in the South-East Baltic *pag. 34*
- 09.30 - 09.45 ANTOLÍN F., STEINER B. L., MARTÍNEZ-GRAU H., ROTTOLI M., *et alii*
Early farmers in the Southern Alps: results of the Archaeobotanical investigation of the lakeshore site of Isolino Virgina (Varese, Lombardy) *pp. 24-25*
- 09.45 - 10.00 TOULEMONDE F., DAOULAS G., BONNAIRE E., RIQUIER V., *et alii*
A brief history of plants in a region of Northeastern France: 6,000 years of crop introduction in the Plain of Troyes, Champagne, France *pp. 40-41*
- 10.00 - 10.15 KREUZ A., POMÁZI P., OSZTÁS A., OROSS K., *et alii*
Agricultural and dietary strategies as cultural decisions? Archaeobotanical results from 58 Neolithic sites of the Linearbandkeramik, Late Starčevo, Late Körös, Alföld Linearbandkeramik and Szakálhát distribution areas (D, AU, HUN) *pp. 32-33*

10.15 - 10.30 SARPAKI A.

Neolithic Farming at Knossos: revisiting older archaeobotanical material

pag. 38

10.30 - 11.00 Coffee break

11.00 - 11.15 FAIRBAIRN A.S.

Revision of the crop history of Aceramic Neolithic Canhasan III, Karaman, Turkey

pag. 28

11.15 - 11.30 ULAŞ B.

The Contribution of the İstanbul-Yenikapı archaeobotanical remains to the Discussion on Agriculture Origin and Diffusion

pag. 41

Session 3: INTEGRATED AND INTERDISCIPLINARY APPROACHES (Building 6, Room 7)

11.30 - 11.45 BISHOP R. R., CHURCH M. J., TAYLOR B., GRAY-JONES A., WARREN G. M.
Nuts about the Mesolithic? Experimental and archaeological insights into hazelnut taphonomy

pag. 102

11.45 - 12.00 DILKES-HALL I.E., DAVIS J., MALO H.

Using experimental archaeology to understand the archaeobotanical record: a multi-proxy investigation of mid-Holocene fruit processing in Gooniyandi Country, Northwest Australia

pp. 104-105

12.00 - 12.15 BERIHUETE AZORÍN M., STIKA H. P., VALAMOTI S. M.

Distinguishing ripe spelt from processed green spelt (Grünkern): Methodological aspects and the case of Hochdorf (Vaihingen a.d. Enz, Germany)

pag. 101

12.15 - 12.30 VALAMOTI S. M., PETRIDOU C., HEISS A. G., *et alii*

Sitos: an interdisciplinary investigation of 'cereal food' in the ancient Greek world integrating literary sources, experimentation, food science, archaeobotany and scanning electron microscopy

pp. 113-114

12.30 - 12.45 AGUIRRE C., PARRA L., PIQUÉ R.

Ethnoarchaeology of agroecological farming systems in the Equatorial Andes: from the system context of agrobiodiversity to the formation of archaeobotanical carpological contexts

pag. 100

12.45 - 13.00 BUFFINGTON A.

Pastoral Economies in the Old World Tropics and millet exploitation

pag. 102

13.00 - 14.30 Lunch

14.30 - 14.45 VIGNOLA C., MASI A., SADORI L.

Three-thousands-years record of climate and agriculture in Turkey: the isable isotopes approach to plant remains from Arslantepe *pag. 115*

14.45 - 15.00 MCCLATCHIE M.

Investigating places of assembly in later prehistoric Ireland through isotopic analysis of charred cereal grains *pag. 109*

15.00 - 15.15 STROUD E., BOGAARD A., MCKERRACHER M.

Investigating the emergence of Early Medieval English open field agriculture using crop stable isotopes and functional weed ecology *pag. 112*

15.15 - 15.30 BOARETTO E., EHRLYCH Y., REGEV L.

The potential of charred olive pits from archaeological sites in reconstructing Mediterranean climate *pp. 115-116*

15.30 - 15.45 POKORNÁ A., KOČÁR P.

Immigration history of synanthropic flora in Central Europe - Implication for better understanding of changes in agricultural system *pp. 110-111*

15.45 - 16.00 FUKS D., DUNSETH Z. C., LANGGUT D., BUTLER H., *et alii*

Dung in the dumps: a comparative study of seeds, phytoliths and pollen in dung pellets and refuse deposits at Early Islamic Shivta, Negev, Israel *pag. 105*

16.00 - 16.15 TOLAR T., GALIK A., ROSENBERG E., LE BAILLY M., *et alii*

What infos can we get from the analyses of the Late Neolithic dog (*Canis familiaris*) excrements? *pag. 113*

16.15 - 16.45 *Coffee break*

16.45 - 17.00 Introduction to Laboratories (Introduction by Karl Hammer)

17.00 - 19.00 PARALLEL LABORATORIES:

Free Laboratory (Building 6, Room 6)

Naked wheat (Building 6, Room 4)

pag. 178

Legumes (Building 6, Room 5)

pag. 181

20.00 *Welcome Cocktail (Monastery of Olivetani)*

WEDNESDAY 5th JUNE 2019

Session 3: INTEGRATED AND INTERDISCIPLINARY APPROACHES (Building 6, Room 7)

08.30 - 08.45 KARG S.

Interwoven – Archaeology, botany and the technical know-how of producing plant fibres in the Neolithic *pp. 106-107*

08.45 - 09.00 ANDONOVA M.

Archaeobotany of Baskets of South-east Europe? *pp. 100-101*

09.00 - 09.15 CARTWRIGHT L., CROWTHER A., FAIRBAIRN A., *et alii*

Ancient starch analysis at Neolithic Boncuklu *pp. 103-104*

09.15 - 09.30 MARRERO C.S., LANCELOTTI C., MADELLA M.

Plant foodways at Çatalhöyük – a multi-proxy perspective *pag. 112*

09.30 - 09.45 KINGWELL-BANHAM E.

Phytoliths as indicators of irrigation across Asia. Paper in memory of Dr Alison Weisskopf *pag. 107*

09.45 - 10.00 HAGENBLAD J.

The history of barley cultivation in the Canary Islands as told by ancient and extant DNA *pag. 106*

10.00 - 10.15 WEISS E., DRORI E.

Wine fit for a king: Identifying ancient grape varieties using a novel morphological 3D key *pag. 117*

10.15 - 10.30 BOUBY L., WALES N., JALABADZE M., RUSISHVILI N., *et alii*

Tracking the history of cultivated grapes (*Vitis vinifera*) in Georgia combining archaeobotany, geometric morphometrics and ancient DNA *pag. 103*

10.30 - 11.00 Coffee break

11.00 - 11.15 OUT W., MIETH A., PLA RABES S., KHAMNUEVA-WENDT S., *et alii*

Prehistoric pigment production at Rapa Nui (1200-1650 AD) *pag. 110*

11.15 - 11.30 LE MOYNE C., BLEASDALE M., DESIDERI J., BESSE M., *et alii*

Use of Dental Calculus to discern plant use amongst pastoralists from Kadruka 1 and 21, Sudan *pp. 107-108*

11.30 - 11.45 ROWAN E.

Eating in the Italian countryside: a reconsideration of Roman literary sources in light of the archaeobotanical evidence from rural sites in Italy *pag. 111*

11.45 - 12.00 VAN AMERONGEN Y.F., KROONEN G.J.
The introduction and distribution of cultivated plants and their accompanying weeds in Europe from ca. 8000 – 800 BCE based on linguistics and archaeobotany *pag. 114*

12.00 - 12.15 LIVARDA A., PICORNELL-GELABERT L., ORENGO H., *et alii*
Foodways, plant and landscape management in Minoan Crete: Palaikastro in context *pag. 108*

12.15 - 12.30 DEMICOLI M.
The invisible fruits: the presence of fruit and nut trees in Chinese Neolithic sites as identified from anthracology *pag. 104*

12.30 - 12.45 NORYSKIEWICZ A.M., BADURA M., OSIPOWICZ G., *et alii*
Humans in the Environment: Plants and Landscapes in Mesolithic in the Paliwodzizna (Dobrzyń Lakeland, Northern Poland) *pp. 109-110*

12.45 - 14.30 *Lunch*

Session 4: PLANTS AND SOCIETY (Bulding 6, Room 7)

14.30 - 14.45 DIFFEY C., BOGAARD A., CHARLES M., NEEF R.
'Farming the city': Agriculture and storage in the Bronze Age *pp. 138-139*

14.45 - 15.00 ALONSO N., LÓPEZ D., CARDONA R., MORER J.
Wheat and Vine, Flour and Wine: Crop Storage and Plant Food Processing at the Iron Age Iberian settlement of Els Estinclells (Verdú, Catalonia, Spain) *pp. 134-135*

15.00 - 15.15 BADURA M., NORYSKIEWICZ A. M., KOSMACZEWSKA A., *et alii*
Plants for the final journey - archaeobotanical exploration of the 18th c. children's burials in the Holy Trinity church (sanctuary of the Divine Mother Queen of Krajna) in Byszewo (Poland) *pp. 135-136*

15.15 - 15.30 SEABRA L., SANTOS F., VAZ F.C., TERESO J.P.
Fortified storage areas in the Late Iron Age in NW Iberia: evidence for surplus production and controlled redistribution? *pp. 148-149*

15.30 - 15.45 REUTER A. E.
Is the storage running out? New approaches on the security of supply from the 6th century granary of the early byzantine city Caričin Grad (Serbia) *pag. 147*

15.45 - 16.00 MARGARITIS E.
The Dawn of Urbanisation in Europe: mobilising the recourses of the marginal landscapes of the Aegean Bronze Age *pag. 145*

16.00 - 16.15 DECKERS K., TUMOLO V., GENZ H., RIEHL S.
On the significance of olive arboriculture in the Early Bronze Age Levant *pag. 138*

Session 2: AGRICULTURAL PRACTICES AND PALAEOECONOMY (Building 6, Room 7)

16.15 - 16.30 MELAMED Y.

Underground Storage Organs as a food resource in the Paleolithic Hula valley, Israel *pp. 76-77*

16.30 - 17.00 *Coffee break*

17.00 - 19.00 POSTER SESSION (Building 5, ground floor)

THURSDAY 6th JUNE 2019

Session 4: PLANTS AND SOCIETY (Building 6, Room 7)

08.30 - 08.45 HEISS A. G., GALIK A., GONZÁLEZ CESTEROS H., LIEDL H., *et alii*

One Man's Leftovers Is Another Man's Feast: Plant material from a votive pit in Terrace House 2 in Ephesus, Turkey *pag. 142*

08.45 - 09.00 AUERLECHNER M., PUTZER A., STEINER H., OEGGL K.

Plant use and rites at burnt-offering sites in inner-alpine areas of Northern Italy during the Bronze and Iron Age *pag. 135*

09.00 - 09.15 FRUMIN S., WEISS E.

The archaeobotanical connection between Hera and the Philistines: Iron Age Samos and Tell es-Safi/Gath *pp. 140-141*

09.15 - 09.30 CAPPARELLI A., LÓPEZ M. L.

Ceremonial maize of the south-Central Andes: a picture of variability and processing at Inka expansion times on the base of charred macroremains *pag. 137*

09.30 - 09.45 VANDORPE P.

Food for the afterlife? Contribution of the archaeobotanical evidence in Roman cremation graves to burial practices in Switzerland *pag. 150*

09.45 - 10.00 MONTES MOYA E. M.

Plants-derived remains in ritual context in Qubbet el-Hawa, Aswan, Egypt *pag. 146*

10.00 - 10.15 LAGERÅS P.

A fragrant grave – the well-preserved plants of a mummified 17th century bishop *pag. 144*

10.15 - 11.00 *Coffee break*

11.00 - 11.15 MARIOTTI LIPPI M., GIACHI G.
Pollen Content of a Roman Medical Remedy (Pozzino, Italy, II cent. BC) *pp. 145-146*

11.15 - 11.30 BEYDLER K.
From Farm to Pharmacy: *Lolium temulentum* in Roman agriculture and medicine *pag. 136*

11.30 - 11.45 LANGGUT D.
Early Roman royal gardens: an archaeobotanical comparison between east and west Mediterranean gardens *pp. 144-145*

11.45 - 12.00 RYAN P.
Lessons from the past; contextualising underutilised crops, a case study from the middle Nile valley *pag. 148*

12.00 - 12.15 EICHHORN B., NEUMANN K., WOTZKA H. P.
The late Iron Age persistence of pearl millet in the Inner Congo Basin (ICB): Beer or food – was millet ever a staple in the African lowland rainforest? *pag. 139*

12.15 - 12.30 ABDEEN M., HAMDEEN H. M.
Some Plants Drinking and their Religious and Social Meaning in Sudan Case study: Hulu-Mur, Abreha and Sherbot *pag. 134*

12.30 - 12.45 STIKA H. P., MARINOVA E., HEISS A.G., ANTOLIN F., *et alii*
Advances in the knowledge of ancient beer brewing and reconstruction of its taste *pag. 149*

12.45 - 13.00 DAVID M., WEISS E.
Slaves or artisans? A miner's diet in the Southern Levant *pp. 137-138*

13.00 - 13.15 HAAS J. R.
Community Identity and Culinary Traditions-Foodways in the Western Great Lakes, North America *pag. 141*

13.15 - 14.15 *Lunch*

14.15 - 14.30 WASYLIKOWA K., MOSKAL-DEL HOYO M., CZARNOWICZ M., *et alii*
Early Bronze Age plant assemblages from the Tel Erani site, Israel *pag. 151*

14.30 - 14.45 PREISS S., CHEVALIER A., COURT-PICON M., GOFFETTE Q., *et alii*
They all smell the same (though...) but their content may be different: looking at Late Medieval human excrements and garbage pits in the County of Hainaut, Southern Low Countries *pp. 146-147*

14.45 - 15.00 WALSHAW S.

Food and Trade at Ancient Kilwa, Tanzania: archaeobotanical and historical evidence from the ninth to fifteenth centuries *pp. 150-151*

15.00 - 15.15 ERGUN M., OZBASARAN M.

Inferring plant-related activities and food plant processing at an early Neolithic settlement in Central Anatolia, Aşıklı Höyük *pp. 139-140*

15.15 - 15.30 FILATOVA S., KIRLEIS W.

Food production in the Bronze Age Danube River region: the case of Kakucs-Turján, Hungary *pag. 140*

15.30 - 15.45 TOUWAIDE A.

Textual Archaeobotany. Written and Iconographic Sources for Archaeobotanical Research *pp. 149-150*

15.45 - 16.15 *Coffee break*

16.15 - 16.45 Introduction to Workshops

16.45 - 19.00 PARALLEL WORKSHOPS:

ERC projects (Building 6, Room 2) *pag. 175*

National and international archaeobotanical networks (Building 6, Room 7) *pag. 176*

Public archaeobotany (Building 6, Room 3) *pag. 177*

20.00 *Social dinner (Torre del Parco)*

FRIDAY 7th JUNE 2019

Session 2: AGRICULTURAL PRACTICES AND PALAEOECONOMY (Building 6, Room 7)

09.30 - 09.45 WIETHOLD J., SCHAAL C.

Melon (*Cucumis melo* L.) – a marker of the Romanization process in northern and northeastern Gaule and the Roman provinces? Determination, agricultural history and archaeobotanical evidence *pag. 83*

- 09.45 - 10.00 DABROWSKI V., BOUCHAUD C., TENGBERG M.
The adoption of summer crops in the Arabian Peninsula: a critical review of the evidence
pag. 69
- 10.00 - 10.15 REED K. A.
A taste of Empire: reconstructing foodways in Roman Panonnia
pag. 79
- 10.15 - 10.30 KOSŇOVSKÁ J., BENES J., SKURZNA J.
What would have been the archaeobotanical signals of luxury status of the site without discovering the Americas? The case of Prague castle in the Early Modern period and ethnobotanic meaning of the new useful plants
pp. 73-74
- 10.30 - 10.45 MILON J., BOUCHAUD C., CUCCHI T., MILLET M., *et alii*
Agricultural economy and the development of cotton cultivation during the Meroitic period (4th c. BC - 5th c. AD) in central Sudan: seed, fruits and morphometric analyses at Mouweis
pag. 77
- 10.45 - 11.15 *Coffee break*
- 11.15 - 11.30 FIGUEIRAL I., CHEVILLOT P., COURT-PICON M., FORREST V., *et alii*
Mas de Vignolles XIV (Nîmes, Gard, Southern France): different perspectives on land use and management from the Protohistory to the Middle Ages
pag. 70
- 11.30 - 11.45 ORENDIA A.
Cultivation of Flax (*Linum usitatissimum* L.) at Tel Burna, Israel
pp. 78-79
- 11.45 - 12.00 HOSOYA L. A., KOBAYASHI M., KUBOTA S., SUN G.
Rice and the Formation of Complex Society in East Asia: Reconstruction of Cooking through Pot Soot and Carbon Deposits Pattern Analysis
pag. 73
- 12.00 - 12.15 GARCÍA-GRANERO J. J., LYMPERAKI M., TSIRTSI K., TSAFOU E.
A microbotanical approach to plant preparation and consumption in the prehistoric Aegean
pag. 71
- 12.15 - 12.30 GONZALEZ CARRETERO L., FULLER D. Q.
Baking vs Boiling: the analysis of archaeological food products from West and East Asia
pag. 72
- 12.30 - 12.45 MADELLA M., GARCÍA-GRANERO J., CÁRDENAS M., *et alii*
Prehistoric foodways in Northern Gujarat, India
pag. 75
- 12.45 - 13.00 BATES J., NATH SINGH R., PETRIE C. A.
A view from the villages: disentangling 'multi-cropping', agricultural adaptation and resilience in the Indus Civilisation.
pag. 67
- 13.00 - 13.15 CEMRE USTUNKAYA M., WRIGHT N., NATH SINGH R., PETRIE C. A.
Environmental choices of Indus people
pp. 81-82

13.15 - 13.30 BOGAARD A., CHARLES M., ERGUN M., FAIRBAIRN A., *et alii*
25 years of archaeobotany at Çatalhöyük: what we have learned *pag. 68*

13.30 - 14.30 *Lunch*

14.30 - 14.45 ARRANZ OTAEGUI A., ROE J., PANTOS A., *et alii*
Locally available or imported? Identifying the provenance of Natufian plant food and fuel resources at Shubayqa 1 (Northeastern Jordan) *pag. 66*

14.45 - 15.00 WHITLAM J., BOGAARD A., CHARLES M.
Local variability in plant management and consumption at early Holocene sites in the southern Levant: new insights from PPNA Sharara *pag. 82*

15.00 - 15.15 FLORIN S. A., FAIRBAIRN A., CLARKSON C.
65,000 years of plant food use at Madjedbebe, Northern Australia *pag. 71*

15.15 - 15.30 BADAL E., AURA J. E., JORDÁ J. F., ZILHÃO J.
Different? The consumption of pine nuts (*Pinus pinea*) among the Middle Paleolithic Neanderthals and the Upper Paleolithic modern humans of Iberia *pp. 66-67*

15.30 - 15.45 MARTÍNEZ-VAREA C. M.
Fruits to eat, leaves to weave. Archaeobotanical analysis of Upper Palaeolithic levels of Cova de les Cendres (Alicante, Spain) *pag. 76*

15.45 - 16.00 CULLEN N., RUSSELL S., MOTTA L.
Interpreting millet and bitter vetch in Iron Age-Roman Central Italy *pag. 68*

16.00 - 16.15 KUBIAK-MARTENS L.
Processing grain and apples at the Early Neolithic Swifterbant sites in the Netherlands *pp. 143-144*

16.15 - 16.45 *Coffee break*

16.45 - 17.00 Introduction to laboratories

17.00 - 19.00 PARALLEL LABORATORIES:

Image Analysis (Building 6, Room 6) *pag. 180*

New Glume Wheat (Building 6, Room 4) *pag. 179*

Milletts (Building 6, Room 5) *pag. 182*

SATURDAY 8th JUNE 2019

Session 2: AGRICULTURAL PRACTICES AND PALAEOECONOMY (Building 6, Room 7)

08.30 - 08.45 RYABOGINA N., NASONOVA E., POTAPOVA A., SERGEEV A., BORISOV A.
Ancient and Medieval agriculture of the North Caucasus, Russia *pag. 80*

08.45 - 09.00 DINIES M., PODSIADLOWSKI V., NEEF R.
Djerba Island (Southern Tunisia) about 2000 years ago: More than purple and fishes – local horticulture *pp. 69-70*

09.00 - 09.15 RÖSCH M., FISCHER E., LECHTERBECK J., SILLMANN M., *et alii*
Field-Grass-Economy and manuring in Southwest Germany between Bronze Age and Modern Times according to on-site and off-site archaeobotanical evidence *pp. 79-80*

09.15 - 09.30 OEGGL D. K., AUßERLECHNER M., ZAGERMANN M.
Food Supply of a Late Roman *Castrum* (450 – 800 AD) in Guidicarie esteriori, Trentino (Italy) *pag. 78*

09.30 - 09.45 GKATZOGIA E., VALAMOTI S. M.
Archaeobotanical investigations of dietary habits and subsistence strategies in Northern Greece during the Iron Age *pag. 72*

09.45 - 10.00 TERESO J. P., SEABRA L., COSTA VAZ F.
To be or not to be Roman: indigenous, Roman-indigenous and Roman impact in agriculture and food consumption in NW Iberia *pag. 81*

10.00 - 10.15 MALLESON C. J.
Thirty Years of Archaeobotany at the Pyramids (Giza, Egypt) *pp. 75-76*

10.15 - 10.30 KÜHN M., WICK L., ANTOLIN F., BERIHUETE M., *et alii*
Plant based diet and landscape management at the Late Iron Age (150-80 BC) proto-urban settlement of Basel-Gasfabrik (Switzerland) and its hinterland. *pag. 74*

10.30 - 11.00 Coffee break

11.00 - 13.00 Conclusion and Remarks (Publication/next IWGP in 2022)

SUNDAY 9th JUNE 2019

09.00 - 14.30 Boat excursion (departure from Lecce)

POSTER SESSION (Building 5, ground floor)

Wednesday 5th June 2019

Session 1: ORIGINS AND DIFFUSION OF CULTIVATED PLANTS (pp. 44-65)

1 AKASHI C., ZEYNALOV A., MANSUROV M., GULIYEV F., *et alii*

Farmers or gatherers? The first archaeobotanical study on the Mesolithic South Caucasus

2 AKERET O., KUHN M., WICK L.

Plant remains from the Early Bronze Age lakeshore settlement of Beinwil am See Ägelmoos: the first archaeobotanical results from Lake Hallwil, Switzerland

3 ALONSO N., LOPEZ O., TARONGI M., VILA S.

Waterlogged wood, seeds and fruit in the well-cistern of the fortress of Els Vilars (Catalonia, Spain): expanding knowledge on plant resources and their use during the Iron Age

4 BALCI H.

A preliminary and comparative study on crop plant selection from the beginning of agriculture to the Late Ottoman Period in Northwest Anatolia

5 BELLI C., CARACUTA V., WEINSTEIN-EVRON M., YESHURUN R., *et alii*

Macrobotanical Remains from Raqefet Cave, a Late Natufian Burial Site in Mount Carmel, Israel

6 BENATTI A., BAL M., ALLEE P., BOSI G., MERCURI A. M.

Late Holocene plant exploitation for charcoal production and grazing in northern Apennines inferred from charcoals analysis

7 CASTANEIRA-PEREZ N.

Carpological study at San Cristóbal rock-shelter (Basque Country, Spain)

8 CIANI F., ATTOLINI D., BELLINI C., PALLECCHI P., MARIOTTI LIPPI M.

Pollen analysis in the Early Middle Ages Florence (Italy)

9 DAL CORSO M., PASHKEVICH G., FILIPOVIC D., MEADOWS J., *et alii*

Tracing the introduction and first dispersal of millet in Ukraine

10 DAL MARTELLO R.

Early Agriculture at the Crossroad of China and Southeast Asia: new insights from Archaeobotany, Ecology, and Climate

11 DECAIX A., NEEF R.

The beginnings of agriculture in the Southern Caucasus: New perspectives between the Araxes and Kura valleys

12 DEIANA A., MILANESE M.

Spatial distribution of archaeobotanical remains and archaeological interpretation in a medieval village in northwestern Sardinia

13 DELLE DONNE M., COSTANTINI L., DAN R., VITOLO P.

Archaeobotanical researches in Orumiyeh Lake Basin: Hajji Firuz and Pisdeli

14 DOUCHE C.

Late Natufian and Early Neolithic rye exploitation in the Euphrates Valley. New evidences from the aramaic Neolithic site of Dja'de El-Mughara

15 FILIPOVIC D., OBRADOVIC D.

Sideliner or protagonist? Economic status of 'new type' glume wheat in the Neolithic and Bronze Age central Balkans

16 GRIKPEDIS M.

In the search of the earliest cultivated plants in Belarus – SEM analysis of grain imprints in pottery

17 HAMDEEN M. H.

Archaeobotanical Investigations for *Triticum* sp and *Hordeum* sp during Christian Periods in Sudan

18 HRISTOVA H., POPOVA T.

Archaeological and archaeobotanical approach in the study of agricultural practices at Early Bronze Age settlement mound “Himitliyata”, Bulgaria

19 JESUS A., FOLLMANN F., JACOMET S., VAN WILLIGEN S., ANTOLIN F.

Middle Neolithic farming in SE France: archaeobotanical investigations of three wells found at the site of Les Bagnolles (Isle-sur-la-Sorgue, Dép. Vaucluse, France)

20 KISIELIENE D., MINKEVICIUS K.

Crops cultivation in the Viking Age: case studies from NW Lithuania

21 KOTSACHRISTOU D.

Preliminary analysis of charred plant remains from the early Neolithic settlement of Pontokomi-Souloukia in Kozani region, northern Greece

22 LITINSKA-ZAJAC M., MOSKAL DEL HOYO M.

Early Neolithic Plant Remains from the Carpathian Foothills: new data from the settlement of Gwoździec, site 2 (South-east Poland)

23 MALTAS T.

Agriculture and the Origins of Urbanism in Western Anatolia

24 MARKLE T., NELLE O., MARINOVA-WOLFF E.

LBK agriculture and land use in the Ammertal, SW Germany

25 MOTTA L.

Bronze Age evidence of millet cultivation in the Carpathian Mountains

26 MOTUZAITE MATUZEVICIUTE G.

Plant adaptation in geographical margins: case study for prehistoric Kyrgyzstan

27 NICOLI M.

Agricultural setting at the Bronze and Iron Age fortress of Tel Lachish/Israel (preliminary results of the 2017 and 2018 seasons)

28 RIEHL S., ZEIDI M., JONITZ H., CONRAD N. J.

Palaeolithic plant use in the eastern Fertile Crescent: the case study of Ghār-e Boof

29 RINALDI R., BANDINI MAZZANTI M., OSTI G., BENATTI A., BOSI G.

Archaeobotany in urban sites: the Middle Age of Modena (northern Italy)

30 ROUSOU M., TENGBERG M., PARES A., DOUCHE' C.

Biogeography and use of pistachio (*Pistacia* spp.) in Pre-Pottery Neolithic Cyprus

31 SERGUSHEVA E., PROKOPETS S., KRADIN N.

Usage of plants in the northern part of the Xiongnu Empire: archaeobotanical study on the Ivolga fortified settlement (Transbaikalia, Russia)

32 SHIRAZI Z.

Archaeobotanical evidence from the Neolithic site of Tepe Gavkoshi: Esfandagheh plain, Southeastern Iran

- 33 SPECIALE C., SPATAFORA F., CALASCIBETTA A. M., Di SANSEBASTIANO G. P.
Faraglioni village (MBA): first results of the botanical analyses from Ustica island (Palermo, Sicily)
- 34 STEYN B.
The archaeobotany of Mutamba, a thirteenth century Mapungubwe settlement in northern South Africa
- 35 STONE D.
The Archaeobotany of Medieval Barda, Azerbaijan
- 36 STYLIANAKOU C.
Iron Age Settlements in Mavropigi, Northern Greece: An archaeobotanical investigation
- 37 UCCHESU M., CABONI P., ORRU' M., UGAS G., MILIA S., BACCHETTA G.
Winepress dating back to 3000 BCE shows the earliest winemaking technology in the western Mediterranean
- 38 VANHANEN S.
Review of Prehistoric plant cultivation in Finland based on macrofossil finds
- 39 WIESINGER S., HEISS A.G., JAKOBITSCH T., TREBSCHKE P.
Supplies for the Miners — Investigating Food and Wood Resource Management at the Late Bronze Age Mining Site of Priggwitz-Gasteil (Lower Austria)
- 40 ZHAO Z.
When and how did wheat come into China
- 41 CARACUTA V., BOARETTO E., KHALAILY H., VARDI J.
Lentil soup, hummus or faba beans? The protein diet of the early farmers of the Judean Hills. New archaeobotanical data from the Pre-pottery Neolithic site of Motza (Israel).
- Session 2: AGRICULTURAL PRACTICES AND PALAEOECONOMY (pp. 84-99)**
- 42 BEN MAKHAD S., ZECH-MATTERNE V., BALASSE M., MALRAIN F.
Study of crop manuring during the Second Iron Age in northern France, preliminary results
- 43 BUDILOVA K., PTAKOVA M.
Phytolith analysis of a material from the neolithic site Radčice in South Bohemia (Czech Republic)
- 44 CANTO' A., CARRION Y., LOPEZ DE PABLO J. F.
First palaeoethnobotanical evidences from open-air Mesolithic sites in SE Iberia
- 45 CARRA M., CRISTIANI E.
Carpological remains between the end of the Pleistocene and the beginning of the Holocene in Italy: acquired knowledge and new data
- 46 CIAMPAGNA M. L., MOLARES S., LADIO A., CAPPARELLI A.
Starch grains description of three taxa with underground organs from Patagonia and ancient use implications through microbotanical studies
- 47 CIUTA B.
Archaeobotanical evidence regarding the diet of Bronze Age communities from Teleac hillfort (Alba County, Romania)
- 48 DIJKSHOORN M., MOOLHUIZEN C., GOUW-BOUMAN M., *et alii*
Rotselaar-Wijngaard: The development of a Flemish city in the late middle ages based on $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ isotopes, AMS ^{14}C -dating and macrobotanical analysis

49 DIJKSHOORN M., VAN DEUN Y., MOOLHUIZEN C., VERDUIN J.

The reconstruction of the food economy, trade relations and the use of plants in the textile industry: a research using both macro-remains and pollen analysis

50 GLEMAN J.

Behind the Brew: a multidisciplinary approach to early medieval alcohol fermentation

51 HASSLINGER N.

Archaeobotanical studies of La Tène and Roman sites in the *Civitas Treverorum* (*Gallia Belgica*, southwestern Germany)

52 HRISTOVA I., OSTMAN S., MARINOVA E., HEISS A. G.

How to distinguish dung from food remains – a case study from two Scandinavian Iron Age sites: Åker gård and Sandseryd

53 JAKOBITSCH T., HEISS A. G., KOWARIK K., MAURER J., *et alii*

Food and Farming beyond Alpine Lake Dwellings — Archaeobotanical Evidence from the Late Neolithic Settlements Lenzing–Burgstall and Ansfelden–Burgwiese (both Upper Austria)

54 JIRIK J., HILTSCHER T., SALKOVA T.

Archaeobotany of the polyculture sites. Rakovice (South Bohemia): Roman Period or Early Medieval?

55 KARATHANOU A., VALAMOTI S. M.

Agricultural practices in late 2nd millennium mainland Greece

56 LEMPIAINEN-AVCI M.

Outstanding find of melegueta pepper from medieval layers in Turku (Åbo) Finland

57 MORALES J., PEREZ-JORDA G., EIROA J. A., PALMA M. F., PENA-CHOCARRO L.

Earliest evidence of *Citrus* fruit in the Iberian Peninsula

58 MORICCA C., NIGRO L., SADORI L.

Archaeobotany at Motya (Italy)

59 MURAKAMI Y.

Wooden Pestles for Rice Processing in East Asia

60 NEVEU E., ZECH-MATTERNE V., BRUN C., TOULEMONDE F., DURAND F.

Agrarian Practices and Changes by Investigating Weed Flora in North-Western France from the Bronze Age to the Iron Age

61 NOVAK J., SIDA P., SVOBODA J., POKORNY P.

The Late Holocene forest transformation in sandstone landscapes of the Czech Republic

62 PARASKEVOPOULU P., LATHIRAS P., VALAMOTI S. M.

Exploring Neolithic subsistence and agriculture in Central Macedonia, northern Greece: Recent evidence from the sites of Kyparissi and Koroneia (Middle- Final Neolithic)

63 PENA-CHOCARRO L., PEREZ-JORDA G., SABATO D., LOPEZ-ROMERO E., CHECA E.

Approaches to Medieval agriculture in Iberia: new data on crops and storage

64 PENGFEI S., TIAN X., WU Y.

Investigation of cereal remains discovered from the defensive city site of Shichengzi (~4-75 AD) on the Silk Road, Xinjiang, NW China

65 PEREGO R.

Evidence of acorn consumption in Northern Italy during the Bronze Age

66 RUSTEIKYTE A.

Study of amorphous charred food remains found in Lithuania

67 SPELEERS L., DEVOS Y., DE CUPERE B., DEFORCE K., MODRIE S.

Interdisciplinary study of horticultural practices in late Medieval Brussels

68 WESTLING S.

Survival of the fittest? An archaeobotanical approach to the 6th century crisis in southwestern Norway

69 ZECH-MATTERNE V., DERREUMAUX M., PRADAT B.

Should Rye brome be considered a crop? Can brome-rich assemblages, food-processed grains and textual references help us to clarify the perception of the plant, its uses and status in northern France, during the Iron Age and historical periods?

Session 3: INTEGRATED AND INTERDISCIPLINARY APPROACHES (pp. 118-133)

70 AHITUV H.

How to produce a Natufian Mortar? an experimental archaeology research

71 ARNOLD J., BUFFINGTON A.

Weeding Through Jordan's Prehistory: Weed Ecology Regimes at Khirbat al-Mudayna, Wadi ath-Thamad

72 CAGNATO C., HAMON C., ELLIOTT M., SALAVERT A.

The potential of starch grain analysis in understanding early farming practices in Western Europe

73 CAMPBELL G.

Adonis annua L. In The UK: Palaeoethnobotany, history and conservation

74 FLORENZANO A., MERCURI A. M., BENATTI A., BOSI G., *et alii*

The SUCCESSO-TERRA Project: a lesson of sustainability from the Terramare culture, Middle Bronze Age of the Po Plain (North Italy)

75 GARAY-VAZQUEZ J. J.

“From the earth to the plate”: An archaeobotanical approach towards understanding agricultural systems and foodways of pre-Columbian Puerto Rico

76 GAVERIAUX F., MOTTA L., SADORI L., BRILLI M.

At the origins of Rome: urbanization, agriculture and climate in Iron Age

77 GODEFROY L.

Carpology and xylology, Archaeobotanical study of a 4th century BC well at Taranto “Torre Montello”, Salento, Italy

78 GYULAI F., VASARHELYI B.

Morpho- and molecular genetic analysis of grape seed remains from Tokaj/Hungary

79 KNIPPING M., BRUCKNER H., DSIKOWITZKY L., HASSL A., *et alii*

Humans and their environment in Ephesus and the Ephesia – A comparison of on-site and off-site palaeoecological data

80 LANCELOTTI C., FIORENTINO G., MADELLA M., AJITHPRASAD P.

Establishing a Rainfall/Temperature Isotopic Baseline for Northwest South Asia

81 MADINA H. T.

The frikieh, another product of hard wheat in Palestine

82 OBRADOVIC D., STOJANOVIC I.

Plants and animals together: a diachronic perspective on the subsistence economy of Late Neolithic Drenovac, Serbia

83 PELLING R., SMITH D., CAMPBELL G.

Can we recognise *Sitophilus granarius* infestation in charred cereals? An experimental approach

84 PETRUCCI N., PALAMARCZUCK V.

The vegetable macroremains in the interpretation of formation processes and chronology of archaeological sites. The case of El Colorado, Yocavil Valley, North West Argentina

85 PRAVCOVA I., HOUFKOVA P., HORAK J., POKORNA A., *et alii*

The dynamics of a non-forested area in the Krušné Mts.: The effect of a short-lived medieval village on the local environment

86 PTAKOVA M., POKORNY P., SIDA P.

From hunter-gatherers to forest herders: a multi-proxy study of a Holocene sequence containing animal dung at the rock-shelter site Velký Mamučák, Northern Bohemia

87 RIECKHOFF S., ROSCH M.

Land abandonment and migration during the Iron Age in Central Europe - Archaeological and botanical evidence

88 ROPKE A., ZERL T., GAVAN A., LIE M., KIENLIN T. L.

Preliminary Archaeobotanical and Micromorphological Investigations on the Bronze Age Tell of Toboliu (Romania)

89 RYAN S. E., BOUCHAUD C., PELAEZ ANDERICA E., VIOT C., ZAZZO A.

Charring-induced fractionation of $\delta^{13}C$ and $\delta^{15}N$ in cotton (*Gossypium arboreum*) seeds: implications for reconstructing archaeological environments

90 SALKOVA T., NOVAK J., BUDILOVA K., KOMAREK O., *et alii*

Weaving looms, Intentional Demolitions, Burnt Offerings...? Trenchlike Features of the Urnfield Period in Central Europe by the view of archaeo-environmental analysis

91 SHIBUTANI A.

Microbotanical Approach to Exploring the Origins of Japanese Historical Papers

92 STEINER B. L., ALONSO N., GRILLAS P., JORDA C., *et alii*

Gone with the water. The influence of fluvio-lagoon environments and human activities on the vegetation of the ancient port city of Lattara (Lattes, France)

93 TARONGI CHAVARRI M., BOUBY L., BONHOMME V., LOPEZ REYES D.

A new way of seeing pulses. Preliminary results of geometric morphometric analyses of archaeological pulse seeds in La Font de la Canya (Catalonia, Spain)

94 KAJALE M.

The LCHF (Low Carb High Fat) diet in relation to archaeobotanical and archaeozoological evidences from India: some preliminary observations

Session 4: PLANTS AND SOCIETY (pp. 152-165)

95 BOSI G., MAZZANTI M., FORLANI L., TORRI P. *et alii*

Gardens and orchards in Northern Italy during the Middle Ages

96 BOUCHARD-PERRON J. A., LIVARDA A.

Tastes of home and tastes of power: an exploration of food plant consumption in colonial settings

97 CHEVALIER A., FREBUTTE C., HARDY C.

It is useless to sweep it under the carpet: sooner or later somebody will find it! Uncovering domestic cleaning practices from a Late Medieval wooden floor in Southern Low Countries

98 CLO' E., MAZZANTI M., TORRI P., RINALDI R. *et alii*

Pollen and macroremains from the site "Vasca di Noceto": an artificial basin for votive practices during the Bronze Age in Northern Italy

99 FORTI A., BORTOLAMI F., GAMBA M., GAMBACURTA G., SERAFINI A. R.

"Di quella pira..." ("Of that dark scaffold" G. Verdi, *Il Trovatore*): plant remains of funeral pyre from Necropolis of Via Tiepolo, Padova (Italy): tomb 62 C

100 GUSTAFSSON S., HJULSTROM B.

Food, drink and drugs in an elite settlement in eastern middle Sweden during 5th-10th century

101 HALD M. M., HENRIKSEN P. S.

A rare find: Onion in Iron Age Denmark

102 HARTMANN-SHENKMAN A., WEISS E.

Rich refugees? the economic status of the Bar Kokhba rebels (135 AD) in the Judean Desert

103 JEDRUSIAK F., MARINVAL P.

"Outstanding plants?": an example of henbane and vervain in Châteaubleau in the 4th century AD (Seine-et-Marne, France)

104 JIANG H.

Palaeoethnobotanical analysis of the plant remains discovered in the Haihun Marqui's graveyard, Nanchang, China

105 KERFANT C. E., ALLUE' E., PAZ V.

Ropes and baskets made of Banana fibers: Case studies from Taiwan and the Philippines

106 LIU X.

The wind that shakes the barley: Consequences of the food globalization in prehistory

107 LOPEZ M. L., CASTILLON V. G., PERALES J. N.

How many olives varieties (*Olea europaea* L. *Oleaceae*) existed during the Roman Period in Andalucia, Spain. First approach to olive varieties on the base of charred macroremains from Ermita Santa Potenciana site (Villanueva De la Reina, Jaén)

108 MACHAUSE LOPEZ S.

Connecting people, connecting divinities. The symbolism beyond the plant remains.

109 MAJEROVICOVA T., BENES J., NOVAK J., BUMERL J., MANKA I., DEME A.

Sacred trees: ritual and profane relation between tree and village in National Park Niokolo-Koba, Senegal

110 MICHOU S., VALAMOTI S. M., CHRYSOSTOMOU P.

Charred plant remains from the neolithic lakeside settlements of Amyntaio basin, northwestern Greece

111 PEREZ-JORDA G., PENA-CHOCARRO L.

Fruits, wine and social complexity in Iberian Peninsula in the first millennium BC

112 PETRIDOU C., VALAMOTI S. M., BERIHUETE M., PAPADOPOULOU L., STIKA H. P.

A Bronze Age brewery at Archondiko? Recent archaeobotanical and experimental evidence

113 QUIXAL SANTOS D.

Imagining plants in the Iberian world. Vegetable iconography during the Iron Age in Eastern Spain

114 RISO F. M., PELLEGRINI S., BARALDI P., BOSI G.

Archaeobotanical evidence of funerary rituals in roman necropolis of Mutina (Northern Italy): a multidisciplinary approach

115 ROSSNER C. *et alii*

Waterlogged and charred macroremains from Hittite Oymaağaç Höyük, Northern Anatolia

116 VAN DER MEER W.

'The Fields of Asphodel', or rather 'The Fields of Other Tubiferous Plants'

117 ZERL T., MEURERS-BALKE J., KALIS A. J., GERLACH R.

The development of early medieval field and horticulture in the light of archaeobotanical finds of the Carolingian Abbey of Werden (Germany)

118 HINOSTROZA GARCIA L.

From the garbage to the ritual: use of the Genus *Caspicum* spp. in the Huaca Puellana (550-650 AD)

LABORATORY OF ARCHAEOBOTANY AND PALAEOECOLOGY (pp. 166-173)

119 APRILE G., FIORENTINO G.

Offers for the gods: archaeobotanical remains from the Bronze Age cult building of Portorusso (Otranto-Le)

120 BREGLIA F., FIORENTINO G.

Human-environment interaction in the Bronze Age pile-dwelling cave settlement of Grotte di Pertosa (Southern Italy)

121 BREGLIA F., SELMITTO A., FIORENTINO G.

Human-environment interaction during the Protohistory in the Vallo di Diano (Southern Italy): new data from archaeobotanical analyses

122 CALÒ P., BRUNO B. L., PRIMAVERA M.

Study of plant macro-remains from the site of Borgo Terra (Muro Leccese, Lecce, Italy): granaries structures between XVth and XVIIth century

123 CARACUTA V.

'Olive Culture' in Puglia (SE Italy) - A review of the evidence from Prehistory to the Middle Ages

124 CARMENATI R., PERNA R., FIORENTINO G.

The roman villa of Villamagna (Urbisaglia (Macerata), Italy): pilot archaeobotanical analysis

125 D'AQUINO S., GRASSO A. M., PRIMAVERA M., FIORENTINO G.

The complexity of agricultural practices in the Bronze Age in Apulia (southeast Italy): the contribution of the archaeobotanical morphometric analysis on *Vicia faba* L.

126 DELLA PENNA V., DE PALO R., FIORENTINO G.

Archaeobotanical research in a 15th -16th century refuse pit in Piazza G. Di Vagno, Corato (Apulia, SE Italy)

127 MINERVINI I., FIORENTINO G.

Agricultural production and environmental changes during the Bronze Age in Shahr-i Sokhta (SE Iran)

128 MINERVINI I., PRIMAVERA M., FIORENTINO G.

Agricultural "regimes" and paleo-environment at Casale San Pietro (PA - Sicily) during the Medieval period

129 PORTA M., PRIMAVERA M., D'ANDRIA F., FIORENTINO G.

Reading the ritual practices of the IV century BC worship place at Castro-Località Capanne (LE): the contribution of Archaeobotany

130 PRIMAVERA M., CALÒ P., COLELLA M. C., MINERVINI I., VALENTI M., FIORENTINO G.

Medieval granaries and storehouses in Miranduolo (Siena, Italy): investigating socio-economical aspects through plant remains and stable isotopes signatures

131 STELLA M., CHOWANIEC R., GREZAK A., FIORENTINO G.

Landscape exploitation at ancient *Akrai* (SE Sicily) from Late Hellenistic to Late Antique periods: new data from bioarchaeological investigations

132 ULAŞ B., SERT A.

Su Zeyti: the traditional technique of olive oil production in Anatolia

WORKSHOP AND LABORATORY ABSTRACTS (pp. 182-185)

BUONINCONTRI M. P., ROSSI M., BIANCHI G., HODGES R., DI PASQUALE G.

Seigneurial Land Management and Control: agri-food production and trade in Medieval Tuscany from the 10th Century A.D.

KIRLEIS W., KROLL H.

ArchbotLit – conversion of the online database on literature on archaeological remains of cultivated plants into a wiki platform

LODWICK L.

Reproducibility in Archaeobotany: data publication and citation practices

MCKERRACHER M., BOGAARD A., CHARLES M., STROUD E., HAMEROW H.

Data harvesting: towards the digital automation of charred crop analysis

SABATO D., PENA-CHOCARRO L.

The MaNNA project, the new atlas of Mediterranean seeds and fruits

STONE D.

Standards, Storage and Dissemination: new approaches to archiving, curation and data sharing of environmental archaeological material (Fulbright Creative Ireland Museum Project)