

2016.....	1
2015.....	4
2014.....	7
2013.....	10
2012.....	13
2011.....	16
2010.....	19
2009.....	24
2008.....	27
2007.....	31

Sortierung nach Jahren, jeweils in

- Zeitschriften-Aufsätze, Artikel
- Buchbeiträge
- Sammelwerke / Monographien
- Tagungsbeiträge

2016

Zeitschriften-Aufsätze begutachtet 2016

- Ali T., Runge F., Dutbayev A., Schmuker A., Solovyeva I., Nigrelli L., Buch A.-K., Xia X., Ploch S. Orren O., Kummer V., Paule J., Çelik A., Vakhrusheva L., Gabrielyan I. & Thines M. (2016): *Microthlaspi erraticum* (Jord.) T. Ali et Thines has a wide distribution, ranging from the Alps to the Tien Shan. *Flora - Morphology, Distribution, Functional Ecology of Plants* 225, 76-81. 18p. DOI: 10.1016/j.flora.2016.09.008
- Ali T., Schmuker A., Runge F., Solovyeva I., Nigrelli L., Paule J., Buch A.-K., Xia X., Ploch S., Orren O., Kummer V., Lindelaursen I., Ørgaard M., Hauser T. P., Çelik A. & Thines M. (2016): Morphology, phylogeny, and taxonomy of *Microthlaspi* (Brassicaceae: Coluteocarpeae) and related genera. *Taxon* 65(1), 79-98. DOI: 10.12705/651.6
- Amrehn E., Aschenbrenner A.-K., Heller A. & Spring O. (2016): Localization of sesquiterpene lactone biosynthesis in cells of capitate glandular trichomes of *Helianthus annuus* (Asteraceae). *Protoplasma* 253(2), 447-455. DOI: 10.1007/s00709-015-0823-4
- Antolín F., Berihuete-Azorín M. & López O. (2016): Archaeobotany of wild plant use: Approaches to the exploitation of wild plant resources in the past and its social implications. *Quaternary International* 404, 1-3. DOI: 10.1016/j.quaint.2016.01.029
- Aschenbrenner A.-K., Kwon M., Conrad J., Ro D.-K. & Spring O. (2016): Identification and characterization of two bisabolene synthases from linear glandular trichomes of sunflower (*Helianthus annuus* L., Asteraceae). *Phytochemistry* 124, 29-37. DOI: 10.1016/j.phytochem.2016.01.009
- Berihuete-Azorín M. (2016): More than a list of plants: A proposal of systematization of ethnobotanical information for archaeobotanical interpretation. *Quaternary International* 404, 4-15. DOI:10.1016/j.quaint.2015.10.114
- Bombo A.B., Appezzato-da-Glória B., Aschenbrenner A.-K. & Spring O. (2016): Capitate glandular trichomes in *Aldama discolor* (Heliantheae - Asteraceae): Morphology, metabolite profile and sesquiterpene biosynthesis. *Plant Biology* 3(1), 455-462 DOI:10.1111/plb.12423
- Fröschle M., Horn H. & Spring O. (2016): Effects of the cytokinins 6-benzyladenine and forchlorfenuron on fruit-, seed- and yield parameters according to developmental stages of flowers of the biofuel plant *Jatropha curcas* L. (Euphorbiaceae). *Plant Growth Regulation*, 11p. DOI:10.1007/s10725-016-0206-7
- Gómez-Zeledón F., Kaiser M. & Spring O. (2016): An extended leaf disc test for virulence assessment in *Plasmopara viticola* and detection of downy mildew resistance in *Vitis*. *Journal of Plant Pathology & Microbiology* 7(5): 353, 6 p. DOI: 10.4172/2157-7471.1000353
- Güney A., Zimmermann R., Krupp A. & Haas K. (2016): Needle characteristics of Lebanon cedar (*Cedrus libani* A.Rich.): degradation of epicuticular waxes and decrease of photosynthetic rates with increasing needle age. *Turkish Journal of Agriculture and Forestry* 40(3), 386-396. DOI:10.3906/tar-1507-63
- Gypser S., Herppich W. B., Fischer T., Lange P., Veste M. (2016): Photosynthetic characteristics and their spatial variance on biological soil crusts covering initial soils of post-mining sites in Lower Lusatia, NE Germany. *Flora* 220, 103-116. DOI:10.1016/j.flora.2016.02.012

- Gypser S., Veste M., Fischer T. & Lange T. (2016): Infiltration and water retention of biological soil crusts on reclaimed soils of former open-cast lignite mining sites in Brandenburg, north-east Germany. *Journal of Hydrology and Hydromechanics* 64(1), 1-11. DOI:10.1515/johh-2016-0009
- Hogg A., Southon J., Turney C., Palmer J., Bronk Ramsey C., Fenwick P., Boswijk G., Büntgen U., Friedrich M., Helle G., Hughen K., Jones R., Kromer B., Noronha A., Reinig F., Reynard L., Staff R. & Wacker L. (2016): Decadally Resolved Lateglacial Radiocarbon Evidence from New Zealand Kauri. *Radiocarbon* 1-25. DOI:10.1017/RDC.2016.86
- Hogg A., Southon J., Turney C., Palmer J., Bronk Ramsey C., Fenwick P., Boswijk G., Friedrich M., Helle G., Hughen K., Jones R., Kromer B., Noronha A., Reynard L., Staff R. & Wacker L. (2016): Punctuated Shutdown of Atlantic Meridional Overturning Circulation during Greenland Stadial 1. *Scientific Reports (Nature)* 6:25902. DOI:10.1038/srep25902
- Kanzler M., Böhm C., Mirck J., Schmitt D. & Veste M. (2016): Agroforstliche Landnutzung als Anpassungsstrategie an den Klimawandel. 59. Jahrestagung der Ges. für Pflanzenbauwissenschaften, 27.-29-11-2016, Gießen. *Mitt. Ges. Pflanzenbauwiss.* 28: 126-127
- Krech M., Terhorst B., Nadler M., [Knipping M.](#), Sprafke T., Meyer-Heintze S. & Wagner F. (2016): Geoarchäologische Untersuchungen in der Keuperlandschaft Mittelfrankens, Ergersheim, Landkreis Neustadt a. d. Aisch-Bad Windsheim. *GEOÖKO XXXVII*: 111-138
- Schroeder R., McDonald K. C., Azarderakhsh M. & Zimmermann R. (2016): ASCAT MetOp-A diurnal backscatter observations of recent vegetation drought patterns over the contiguous U.S.: An assessment of spatial extent and relationship with precipitation and crop yield. *Remote Sensing of Environment* 177, 153-159. DOI:10.1016/j.rse.2016.01.008
- Seidel U., Stephan E., Stika H.-P., Dunbar E., Kromer B., Bayliss A., Beavan N., Healy F. & Whittle A. (2016): Die Zeit der großen Gräben: Modelle zur Chronologie des Michelsberger Fundplatzes von Heilbronn-Klingenberg „Schlossberg“, Stadtkreis Heilbronn, Baden-Württemberg. *Praehistorische Zeitschrift* 91(2), 225-283 DOI:10.1515/pz-2016-0022
- Smettan H. (2016): Das Geröll-Taubenkropf-Leimkraut (*Silene vulgaris* subsp. *glareosa*) auf der Schwäbischen Alb. *Floristische Rundbriefe* 50, 112-119
- Smettan H. (2016): Die Pflanzen- und Tierwelt von Köngen, Kreis Esslingen, im frühen 18. Jahrhundert. *Jahreshefte der Gesellschaft für Naturkunde in Württemberg* 172, 243-276
- Smettan H. (2016): Eingeschleppt und ausgerissen: Neophyten im bayerischen Oberinntal. *Berichte der Bayerischen Botanischen Gesellschaft* 86, 213-226
- Spring O & Zipper R (2016): Asexual Recombinants of *Plasmopara halstedii* Pathotypes from Dual Infection of Sunflower. *PLoS One* 11(12): e0167015. DOI:10.1371/journal.pone.0167015.
- Stock F., Knipping M., Pint A., Ladstätter S., Delile H., Heiss A. G., Laermanns H., Mitchell P.D., Ployer R., Steskal M., Thanheiser U., Urz R., Wennrich V. & Brückner, H. (2016): Human impact on Holocene sediment dynamics in the Eastern Mediterranean - the example of the Roman harbour of Ephesus . *Earth Surface Processes and Landforms* 41(7), 980-996. DOI:10.1002/esp.3914
- Tinapp Ch., Herbig Ch., Heinrich S., [Knipping M.](#), Schneider B. & Schug P. (2016): Die Partheaue im Mittelalter. Geoarchäologische Untersuchungen bei Ausgrabungen an der Citytunnel-Station Hauptbahnhof und am Intercity-Hotel in Leipzig. *Arbeits- und Forschungsberichte zur sächsischen Bodendenkmalpflege Beiheft* 31: 311-319
- Veste M., Halke C., Garbe D. & Freese D. (2016): Einfluss von Stickstoffdüngung und Kompost auf Photosynthese und Wachstum der Virginiamalve (*Sida hermaphrodita* Rusby). *Journal für Kulturpflanzen* 68(12), 423-428.
- Voropaeva I. & Stika H.-P. (2016): Erratum to: Plant remains from Roman period town of Obulco (today Porcuna) in Andalusia (Spain) – distribution and domestication of olive in the west Mediterranean region. *Archaeological and Anthropological Sciences*, DOI: 10.1007/s12520-016-0437-6, 2 p.
- Wagner F. H., Hérault B., Bonal D., Stahl C., Anderson L. O., Baker T. R., Becker G. S., Beekman H., Bouanerges Souza D., Botosso P.C., Bowman D. M. J. S., Bräuning A., Brede B., Brown F. I., Camarero J. J., Camargo P. B., Cardoso F. C. G., Carvalho F. A., Castro W., Chagas R. K., Chave J., Chidumayo E. N., Clark D. A., Costa F. R. C., Couralet C.,

da Silva Mauricio P. H., Dalitz H., de Castro V. R., de Freitas Milani J. E., de Oliveira E. C., de Souza Arruda L., Devineau J.-L., Drew D. M., Dünisch O., Durigan G., Elifuraha E., Fedele M., Ferreira Fedele L., Figueiredo Filho A., Finger C. A. G., Franco A. C., Freitas Júnior J. L., Galvão F., Gebrekirstos A., Gliniars R., Graça P. M. L. de A., Griffiths A. D., Grogan J., Guan K., Homeier J., Kanieski M. R., Kho L. K., Koenig J., Kohler S. V., Krepkowski J., Lemos-Filho J. P., Lieberman D., Lisi C. S., Longhi Santos T., López Ayala J. L., Maeda E. E., Malhi Y., Maria V. R. B., Marques M. C. M., Maza Chamba H., Mbwambo L., Melgaço K. L. L., Mendivelso H. A., Murphy B. P., O'Brien J. J., Oberbauer S. F., Okada N., Pélissier R., Prior L. D., Roig F. A., Ross M., Rossatto D. R., Rossi V., Rowland L., Rutishauser E., Santana H., Schulze M., Selhorst D., Silva W. R., Silveira M., Spann S., Swaine M. D., Toledo J. J., Toledo M. M., Toledo M., Toma T., Tomazello Filho M., Valdez Hernández J. I., Verbesselt J., Vieira S. A., Vincent G., Volkmer de Castilho C., Volland F., Worbes M., Bolzan Zanon M. L. & Aragão L. E. O. C. (2016): Climate seasonality limits leaf carbon assimilation and wood productivity in tropical forests. *Biogeosciences* 13, 2537-2562. DOI: 10.5194/bg-13-2537-2016

Wagner F. H., Hérault B., Bonal D., Stahl C., Anderson L. O., Baker T. R., Becker G. S., Beekman H., Boanerges Souza D., Botosso P. C., Bowman D. M. J. S., Bräuning A., Brede B., Brown F. I., Camarero J. J., Barbosa Camargo P., Cardoso F. C. G., Alvim Carvalho F., Castro W., Koloski Chagas R., Chave J., Chidumayo E. N., Clark D. A., Capellotto Costa F. R., Couralet C., da Silva Mauricio P. H., Dalitz H., de Freitas Milani J. E., de Oliveira E. C., de Souza Arruda L., Devineau J.-L., Drew D. M., Dünisch O., Durigan G., Elifuraha E., Fedele M., Figueiredo Filho A., Guimarães Finger C. A., Franco A. C., Lima Freitas Júnior J., Galvão F., Gebrekirstos A., Gliniars R., Lima de Alencastro Graça P. M., Griffiths A. D., Grogan J., Guan K., Homeier J., Kanieski M. R., Kho L. K., Koenig J., Kohler S. V., Krepkowski J., Lemos-Filho J. P., Lieberman D., Lisi C. S., Longhi Santos T., López Ayala J. L., Maeda E. E., Malhi Y., Maria V. R. B., Marques M. C. M., Maza Chamba H., Mbwambo L., Lisboa Melgaço K. L., Mendivelso H. A., Murphy B. P., O'Brien J. J., Oberbauer S. F., Okada N., Pélissier R., Prior L. D., Roig F. A., Ross M., Rossatto D. R., Rossi V., Rowland L., Rutishauser E., Santana H., Schulze M., Selhorst D., Silva W. R., Silveira M., Spann S., Swaine M. D., Toledo J. J., Toma T., Valdez Hernández J. I., Verbesselt J., Aparecida Vieira S., Vincent G., Volkmer de Castilho C., Volland F., Worbes M., Bolzan Zanon M. L. & Aragão L. E. O. C. (2016): Climate seasonality limits carbon assimilation and storage in tropical forests. *Biogeosciences Discussions*, 1-50. DOI: 10.5194/bg-2015-619

Sammelwerke / Monographien / Lehrbücher 2016

- Antolín F., Alonso N., Berihuete M., Brombacher C., Chondrou D., Ertug F., Garcia-Granero J. J., Gonzalez-Carretero L., Hamon C., Heiss A. G., Jacomet S., Naranjo Y., Perego R., Procopiou H., Steiner B., Valamoti S. M., Wojtzak D. & Wollstonecroft M. (2016): Grütze, Bulgur, Mehl und Grieß. Bericht zum internationalen Arbeitstreffen "Archäobotanische Identifikation von Getreidespeisen" (2./3.7.2015, Basel), mit einem praktischen Leitfaden zu ihrer integrativen Untersuchung. *Jahrbuch Archäologie Schweiz* 99, 143-151
- Dinter I. & Zimmermann R. (Hrsg.) (2016): Norden der Insel Zypern - Botanische Exkursion 2016. Institut für Botanik, Universität Hohenheim, Stuttgart, 141 S., ISBN 978-3-00-054640-2
- Dinter I. & Zimmermann R. (Hrsg.) (2016): Norden der Insel Zypern - Botanische Exkursion 2015. Institut für Botanik, Universität Hohenheim, Stuttgart, 129 S., ISBN 978-3-00-052073-0

Buchbeiträge peer reviewed / Wiss. Aufsätze 2016

- Berihuete-Azorín M., Huerta R. P. & Mansur M.-E. (2016) Plentiful scarcity: plant use among Fuegian hunter-gatherers. In: Hardy K. & Kubiak-Martens L. (Eds.): *Wild Harvest: Plants in the Hominin and Pre-Agrarian Human Worlds*. *Studying Scientific Archaeology* 2, Oxbow Books, ISBN: 9781785701238, Part 3, Chapter 15, 301-317
- Smettan H. W. (2016): Das Geröll-Taubenkropf-Leimkraut (*Silene vulgaris* subsp. *glareosa*) auf der Schwäbischen Alb. *Floristische Rundbriefe* 50, 112-119
- Smettan H. W. (2016): Die Pflanzen- und Tierwelt von Köngen, Kreis Esslingen, im frühen 18. Jahrhundert. *Jahresheft der Gesellschaft für Naturkunde in Württemberg* 172, 243-276

- Smettan H. W. (2016): Eingeschleppt und ausgerissen: Neophyten im bayerischen Oberinntal. *Berichte der Bayerischen Botanischen Gesellschaft* 86, 213-226
- Stika H.-P. (2016): Bier und Kelten, Trinkgelage bei den Kelten - Keltenbier zum Schweineschmorbraten. In: Hilz-Wagner S. (ed.): *Am Anfang war der Feuerstein, Kulturführer durch 600.000 Jahre Ess- und Trinkgeschichte(n) aus der Region Baden-Württemberg*, 405-409
- Stika H.-P. (2016): The earliest evidence for beer in Central Europe. Contribution in: Krause D., Fernández-Götz M., Hansen L. & Kretschmer I.: *The Heuneburg and the early Iron Age princely seats: first towns north of the Alps*. Budapest, Info-Box 16, 178-180
- Trigiano R. N., Spring O., Windham A. S., Baird R. E., Jeffers S. N. & Lamour K. H. (2016): Oomycota: Fungus-like organisms. In: Ownley B. H. & Trigiano R. N. (eds.): *Plant Pathology Concepts and Laboratory Exercises*, 3rd ed., 137-153

Tagungsbeiträge / Abstracts 2016

- Glas J., Hartwig R., Tietz K. Sitter M.; Land A., Remmele S. (2016): Datiere die Eiche im Heuhaufen 3.0/4.0. 5. Studentische Jahrestagung Humboldt Reloaded 25.10.2016, Univ. Hohenheim, Stuttgart (Projekt Nr.732, Studierende: J. Glas, R. Hartwig, K. Tietz, M. Sitter), Tagungsband, 85
- Jedynak T. Müller G., Müller K.; Ehekircher S., Remmele S., Zimmermann R. (2016): "West coast feeling" im Schwobaländle (2). 5. Studentische Jahrestagung Humboldt Reloaded 25.10.2016, Univ. Hohenheim, Stuttgart (Projekt Nr.812, Studierende: T. Jedynak, G. Müller, K. Müller), Tagungsband, 109
- Kanzler M., Böhm C., Mirck J., Schmitt D. & Veste M. (2016): Einfluss agroforstlicher Nutzung auf das Mikroklima, den Ackerfruchtertrag und die potentielle Evaporation. *Bäume in der Land(wirt)schaft - von der Theorie in die Praxis*, 5. Forum Agroforstsysteme, 10.11.-1.12.2016, Tagungsband 127
- Kayn-Scherneck G., Kruse J., Lehr P. P.; Ehekircher S., Remmele S., Zimmermann R. (2016): "West coast feeling" im Schwobaländle (1). 5. Studentische Jahrestagung Humboldt Reloaded 25.10.2016, Univ. Hohenheim, Stuttgart (Projekt Nr.811, Studierende: G. Kayn-Scherneck, J. Kruse, P. P. Lehr), Tagungsband, 108
- Stika H.-P. (2016): Archäobotanik an der Uni Hohenheim in Stuttgart – Aktuelle Projekte und Vernetzung. Workshop "Archäobotanik aktuell", DAI Naturwissenschaften, Berliner Antike-Kolleg und Archäometrie Netzwerk Berlin-Brandenburg, 18.11.2016, Berlin-Dahlem
- Bogaard A., Charles M., Diffey C., Green L., Hald M. M., Fisher E., Jones G., Karathanou A., Maier U, Neef R., Petridou C., Nitsch E., Rösch M., Sarpaki A., Smith A., Stika H.-P., Stroud E., Styring A., Vaiglova P. & Valamoti S. M. (2016): Exploring the role of agriculture in urbanisation: a multi-stranded approach using functional weed ecology and crop stable isotope analysis. 17th Conference of the Int. Work Group for Palaeoethnobotany IWGP, 4-9 July 2016, Paris, Abstracts, p. 5
- Stika H.-P. (2016): Crop cultivation, Crop processing and consumption preferences in Bronze Age South-Eastern Iberia (Prov. of Murcia and Almería). 17th Conference of the Int. Work Group for Palaeoethnobotany IWGP, 4-9 July 2016, Paris, Abstracts, 38
- Veste M. & Halke C. (2016): Ökophysiologische Plastizität der Photosynthese von Robinien (*Robinia pseudoacacia* L.) und Hybrid-Pappeln (*Populus nigra* L. x *P. maximowiczii* Henry) bei Hitzestress und Sommertrockenheit in der Niederlausitz. *Bäume in der Land(wirt)schaft - von der Theorie in die Praxis*, 5. Forum Agroforstsysteme, 10.11.-1.12.2016, Tagungsband 144

2015

Zeitschriften-Aufsätze begutachtet 2015

- Aschenbrenner A.-K., Amrehn E., Bechtel L. & Spring O. (2015): Trichome differentiation on leaf primordia of *Helianthus annuus* (Asteraceae): morphology, gene expression and metabolite profile. *Planta* 241(4), 837-846. DOI:10.1007/s00425-014-2223-y

- Bohn T. J., Melton J. R., Ito A., Kleinen T., Spahni R., Stocker B. D., Zhang B., Zhu X., Schroeder R., Glagolev M. V., et al. (2015): WETCHIMP-WSL: intercomparison of wetland methane emissions models over West Siberia. *Biogeosciences* 12, 3321-3349. DOI:10.5194/bg-12-3321-2015
- Derevnina L., Reyes-Chin-Wo S., Martin F., Wood K., Froenicke L., Spring O. & Michelmore R. (2015): Genome Sequence and Architecture of the Tobacco Downy Mildew Pathogen, *Peronospora tabacina*. *Molecular Plant-Microbe Interactions* 28(11), 1198-1215 DOI:10.1094/MPMI-05-15-0112-R
- Chapman B., McDonald K., Shimada M., Rosenqvist A., Schroeder R. & Hess L. (2015): Mapping Regional Inundation with Spaceborne L-Band SAR. *Remote Sens.* 7, 5440-5470. DOI :10.3390/rs70505440
- Ensslin A., Rutten G., Pommer U., Zimmermann R., Hemp A. & Fischer M. (2015): Effects of elevation and land use on the biomass of trees, shrubs and herbs at Mount Kilimanjaro. *ESA Journal Ecosphere* 6(3), Art45, 1-15. DOI:10.1890/ES14-00492.112370
- Frey M. & Spring O. (2015): Molecular traits to elucidate the ancestry of *Helianthus x multiflorus*. *Biochemical Systematics and Ecology* 58(0), 51-58. DOI:10.1016/j.bse.2014.10.008
- Grasse W. & Spring O. (2015): Occurrence and genetic diversity of the Plasmopara halstedii virus in sunflower downy mildew populations of the world. *Fungal Biology* 119(2-3), 170-178. DOI:10.1016/j.funbio.2014.12.004
- Güney A., Kerr D., Sökücü A., Zimmermann R. & Küppers M. (2015): Cambial activity and xylogenesis in stems of *Cedrus libani* A. Rich at different altitudes. *Botanical Studies* 2015, 56(20), 1-10 DOI:10.1186/s40529-015-0100-z
- Kitner M., Lebeda A., Sharma R., Runge F., Dvořák P., Tahir A., Choi Y.-J., Sedláková B. & Thines, M. (2015): Coincidence of virulence shifts and population genetic changes of *Pseudoperonospora cubensis* in the Czech Republic. *Plant Pathology* 64(6), 1460-1470. DOI: 10.1111/ppa.12370
- Krupp A., Rücker E., Heller A. & Spring O. (2015): Seed Structure Characteristics of *Orobanche cumana* Populations. *Helia* 38(62), 1-14. DOI:10.1515/helia-2014-0034
- Küppers M., Küppers B. I. L., Horna V., Veste M., Zimmermann R., Lauerer M. & Aas G. (2015): Green barks of trees from drought deciduous forests ("bosque seco") in northern Peru/southern Ecuador do not perform CAM. *Basic and Applied Dryland Research*. DOI: 10.1127/badr/2015/0002
- Lava S. S., Zipper R. & Spring O. (2015): Sunflower white blister rust – Host specificity and fungicide effects on infectivity and early infection stages. *Crop Protection* 67, 214-222. DOI:10.1016/j.cropro.2014.10.019
- Mishra B., Solovyeva I., Schmuker A. & Thines M. (2015): Modelling of structures of ATR1-homologs from sister species of *Hyaloperonospora arabidopsidis* suggests different patterns for target-mediated and R-protein-mediated selection. *Mycological Progress* 14(9), Article number 71, 8p. DOI:10.1007/s11557-015-1086-3
- Messinger J., Güney A., Zimmermann R., Ganser B., Bachmann M., Remmele S. & Aas G. (2015): *Cedrus libani*: A promising tree species for Central European forestry facing climate change? *European Journal of Forest Research* 134(6), 1005-1017. DOI:10.1007/s10342-015-0905-z
- Prasifka J. R., Spring O., Conrad J., Cook L. W., Palmquist D. E. & Foley M. E. (2015): Sesquiterpene Lactone Composition of Wild and Cultivated Sunflowers and Biological Activity against an Insect Pest. *J. Agric. Food Chem.* 63(16). 4942-4049. DOI:10.1021/acs.jafc.5b00362
- Pross J., Koutsodendris A., Christanis K., Fischer T., Fletcher W. J., Hardiman M., Kalaitzidis S., Knipping M., Kotthoff U., Milner A. M., Müller U. C., Schmiedl G., Siavalas G., Tzedakis P. C. & Wulf S. (2015): The 1.35-Ma-long terrestrial climate archive of Tenaghi Philippon, northeastern Greece: evolution, exploration, and perspectives for future research. *Newsletters on Stratigraphy* 48(3), 253-276. DOI:10.1127/nos/2015/0063
- Schlüter G., Steinbauer M. J., Remmele S. & Aas G. (2015): Einfluss der Witterung auf den Dickenzuwachs der exotischen *Thuja plicata* und der einheimischen *Picea abies* in Süddeutschland. *Allgemeine Forst- und Jagdzeitung* 186, 205-215

- Schroeder R, McDonald K. C., Chapman B. D., Jensen K., Podest E., Tessler Z. D., Bohn T. J., & Zimmermann R. (2015): Development and Evaluation of a Multi-Year Fractional Surface Water Data Set Derived from Active/Passive Microwave Remote Sensing Data. *Remote Sensing* 7(12), 16688-16732. DOI:10.3390/rs71215843
- Sharma R., Xia X., Cano L. M., Evangelisti E., Kemen E., Judelson H., Oome S., Sambles C., van den Hoogen D. J., Kitner M., Klein J., Meijer H. J. G., Spring O., Win J., Zipper R., Bode H. B., Govers F., Kamoun S., Schornack S., Studholme D. J., Van den Ackerveken G. & Thines M. (2015): Genome analyses of the sunflower pathogen *Plasmopara halstedii* provide insights into effector evolution in downy mildews and *Phytophthora*. *BMC Genomics* 16: 741. DOI: 10.1186/s12864-015-1904-7
- Smettan H. (2015): Verwilderte Zierpflanzen auf den Fildern. Jahreshefte der Gesellschaft für Naturkunde in Württemberg 171, 111-162
- Solovyeva I., Schmuker A., Cano L.M., van Damme M., Ploch S., Kamoun S. & Thines M. (2015): Evolution of *Hyaloperonospora* effectors: ATR1 effector homologs from sister species of the downy mildew pathogen *H. arabidopsidis* are not recognised by RPP1^{WsB}. *Mycological Progress* 14(7), Article number 53, 9p DOI 10.1007/s11557-015-1074-7
- Spring O., Pfannstiel J., Klaiber I., Conrad J., Beifuß U., Apel L., Aschenbrenner A.-K. & Reinhard Zipper (2015, ahead of print): The nonvolatile metabolome of sunflower linear glandular trichomes. *Phytochemistry* 119, 83-89. DOI:10.1016/j.phytochem.2015.09.007
- Stock F., Ehlers L., Horejs B., Knipping M., Ladstätter S., Seren S. & Brückner H. (2015): Neolithic settlement sites in Western Turkey — palaeogeographic studies at Çukuriçi Höyük and Arvalya Höyük. *Journal of Archaeological Science Reports* 4, 565–577. DOI:10.1016/j.jasrep.2015.10.009
- Veste M., Todt H. & Breckle S.-W. (2015): Influence of halophytic hosts on their parasites—the case of *Plicosepalus acacia*. *AoB PLANTS* 7 : plu084. DOI:10.1093/aobpla/plu084

Sammelwerke / Monographien / Lehrbücher 2015

- Dinter I. (Hrsg.) (2015): Südwesten der USA - Botanische Exkursion 2014. Institut für Botanik, Universität Hohenheim, Stuttgart, ISBN 978-3-00-045343-4, 132 S.

Buchbeiträge peer reviewed 2015

- Land A., Schönbein J. & Friedrich M. (2015): Extreme climate events identified by wood-anatomical features from the river Main valley (Germany) – a case study for 3000 to 2000 BC. In: Ein Klimasturz als Ursache für den Zerfall der Alten Welt? 7. Mitteldeutscher Archäologentag, 23.-26.10.2014, Tagungen des Landesmuseums für Vorgeschichte Band 13, 20-21
- Schönbein J., Land A., Friedrich M., Glaser R & Küppers M. (2015): Seasonal Reconstruction of Summer Precipitation Variability and Dating of Flood Events for the Millennium Between 3250 and 2250 Years BC for the Main Region, Southern Germany. In: Schulz M., Paul A. (eds.): Integrated Analysis of Interglacial Climate Dynamics (INTERDYNAMIC). SpringerBriefs in Earth System Sciences 2015, pp 127-131

Buchbeiträge / Wiss. Aufsätze 2015

- Jahns S., Kennecke H., Knipping M. & Christiansen J. (2015): Die Umwelt der slawischen Burg Lenzen – Pollen-analytische Untersuchungen an der Siedlungsschichten der Burg und am Rudower See. In: Heike Kennecke: Burg Lenzen. Eine frühgeschichtliche Befestigung am westlichen Rand der slawischen Welt. Materialien zur Archäologie in Brandenburg 9, Verlag Marie Leidorf, 183-190
- Smettan H. W. (2015): Verwilderte Zierpflanzen auf den Fildern. Jahresheft der Gesellschaft für Naturkunde in Württemberg 171, 111-162.

- Stika H.-P. (2015): Pflanzliche Großreste aus der slawischen Befestigung Burg Lenzen an der unteren Mittel-Elbe in Brandenburg. In: Heike Kennecke: Burg Lenzen. Eine frühgeschichtliche Befestigung am westlichen Rand der slawischen Welt. Materialien zur Archäologie in Brandenburg 9, Verlag Marie Leidorf, 191-249
- Weiler N., Land A., Remmele S. & Binder F. (2015): Hochwasser versus Trockenheit – Untersuchungen zum Zuwachsverhalten bei Stieleichen (*Quercus robur* L.) in einem Naturwaldreservat. In: Dujesiefken D. (Hrsg.): Jahrbuch der Baumpflege 2015, 296-301

Tagungsbeiträge / Abstracts 2015

- Derevnina L., Chin-Wo-Reyes S., Martin F., Wood K., Froenicke L., Wong J., Gil J., Klosterman S., Spring O., Sharma R., Vashney R., Magill C. & Michelmore R. (2015): The Downy Mildews: So Many Genomes, so Little Time. Plant Animal Genome Conference, San Diego, CA, 10-14 Jan 2015
- Derevnina L., Chin-Wo-Reyes S., Martin F., Wood K., Froenicke L., Spring O. & Michelmore R. (2015): Genome sequence and architecture of the tobacco downy mildew pathogen, *Peronospora tabacina*. Plant Animal Genome Conference, San Diego, CA, 10-14 Jan 2015
- Horna V., Vasquez P., Küppers M. & Zimmermann R. (2015): Effect of drought on growth and biomass allocation of tree species from the Pacific dry forest of North Peru. Annual Conference of the Society for Tropical Ecology "Resilience of Tropical Ecosystems – Future Challenges and Opportunities", ETH Zürich, 7-10 April 2015, Book of Abstracts, 293
- Heinrich N., Höfer A., Knödler K., Stark S.; Land A., Remmele S. (2015): Datiere die Eiche im Heuhaufen. Projekt-Nr. 652. Wissensdurst trifft Forschungsfeuer, 4. Studentische Jahrestagung Humboldt Reloaded 22.10.2015, Univ. Hohenheim, Stuttgart (Studierende: N. Heinrich, A. Höfer, K. Knödler, S. Stark), Tagungsband, 122
- Krupp A., Heller A., Spring O. (2015): Resistance Reactions of Sunflower against the Parasitic Weed *Orobancha cumana*. Tropentag, 26.-18. Sept. 2015, Berlin, Book of Abstracts, 178
- Niessner A., Remmele S., Zimmermann R., Küppers M. & Valenzuela L. (2015): Annual tree growth dynamics and water use of elfin forest species at the isolated west Amazon mountain range "El Sira" in Peru. Annual Conference of the Society for Tropical Ecology "Resilience of Tropical Ecosystems – Future Challenges and Opportunities", Zurich, 7-10 April 2015, Book of Abstracts, 319
- Remmele S., Berauer B. J., Zimmermann R., Küppers M., Renner M. & Hemp A. (2015): Biomass and growth dynamics of *Entandrophragma excelsum* (Meliaceae), the tallest forest tree species at Mt. Kilimanjaro. Annual Conference of the Society for Tropical Ecology "Resilience of Tropical Ecosystems – Future Challenges and Opportunities", Zurich, 7-10 April 2015, Book of Abstracts, 315
- Stika H.-P. & Heiss A. G. (2015): Agricultural Choices and Consumption Preferences in Chalcolithic and Bronze Age South-Eastern Spain. 21st Annual Meeting of the EAA, Glasgow, 2.-5. Sept. 2015, Book of Abstracts, 157.
- Stika H.-P. & Heiss A. G. (2015) Shifting Diversities: Examples for Changes in Crop Use from the Chalcolithic to Bronze Age in the Iberian Peninsula. Treffen der AG Archäobotanik des AK Vegetationsgeschichte der RTG (Bernbeuren, Deutschland, 22.-24. Mai 2015)
- Stock F, Knipping M., Pint A., Ladstätter S. & Brückner H. (2015): Geoarchaeological research in the environs of the ancient city of Ephesus, Western Turkey - multi-proxy analyses of the sediment record. Poster. Dt. AK Geomorphologie, Berlin, 3.-4.10.2015

2014

Zeitschriften-Aufsätze begutachtet 2014

- Amrehn E., Heller A. & Spring O. (2014): Capitate glandular trichomes of *Helianthus annuus* (Asteraceae): ultrastructure and cytological development. *Protoplasma* 251, 161-167
DOI:10.1007/s00709-013-0534-7

- Cohen Y., Rubin Avia E., Galperin M., Ploch S., Runge F. & Thines M. (2014): Seed Transmission of *Pseudoperonospora cubensis*. PLoS One 9(10) e109766.
DOI:10.1371/journal.pone.0109766
- Boettger T., Haupt M., Friedrich M. & Waterhouse J. (2014): Reduced climate sensitivity of carbon, oxygen and hydrogen stable isotope ratios in tree-ring cellulose of silver fir (*Abies alba* Mill.) influenced by background SO₂ in Franconia (Germany, Central Europe). Environmental Pollution 185, 281-294
DOI:10.1016/j.envpol.2013.10.030 Chernenkova T. V., Bochkarev Yu. N., Friedrich M. & Boettger T. (2014). The Impact of Natural and Anthropogenic Factors on Radial Tree Growth on the Northern Kola Peninsula. Contemporary Problems of Ecology 7(7), 759-769.
- Friedrich W. L., Kromer B., Friedrich M., Heinemeier J., Pfeiffer T. & Talamo, S. (2014): The olive branch chronology stands irrespective of tree-ring counting. Antiquity 88(339), 274-276
- Haupt M., Friedrich M., Shishov V. & Boettger T. (2014): The construction of oxygen isotope chronologies from tree-ring series sampled at different temporal resolution and its use as climate proxies: statistical aspects. Climatic Change 122(1), 201-215. DOI:10.1007/s10584-013-0985-z Hempel J., Amrehn E., Quesada S., Eszquzel P., Jiménez V. M., Heller A., Carle R. & Schweiggert R. M. (2014): Lipid-dissolved γ -carotene, β -carotene, and lycopene in globular chromoplasts of peach palm (*Bactris gasipaes* Kunth) fruits. Planta 240(5), 1037-1050
- Revelles J., Antolín F., Berihuete-Azorín M., Buxó R., Burjachs F., Caruso L., López O., Palomo A., Piqué R. & Terradas X. (2014): Landscape transformation and economic practices among the first farming societies in Lake Banyoles (Girona, Spain). Environmental Archaeology 19(3), 298-310
- Saurer M., Spahni R., Frank D. C., Joos F., Leuenberger M., Loader N. J., Mccarroll D., Gagen M., Poulter B., Siegwolf R. T. W., Andreu-Hayles L., Boettger T., Dorado Liñán I., Fairchild I. J., Friedrich M., Gutierrez E., Haupt M., Hiltunen E., Heinrich I., Helle G., Grudd H., Jalkanen R., Levanič T., Linderholm H. W., Robertson I., Sonninen E., Treydte K., Waterhouse J. S., Woodley E. J., Wynn P. M. & Young G. H. F. (2014): Spatial variability and temporal trends in water-use efficiency of European forests. Global Change Biology 20(12), 3700-3712.
DOI:10.1111/gcb.12717
- Sharma R., Mishra B., Runge F. & Thines M. (2014): Gene Loss Rather Than Gene Gain Is Associated with a Host Jump from Monocots to Dicots in the Smut Fungus *Melanopsichium pennsylvanicum*. Genome Biology and Evolution 6 (8), 2034-2049. DOI:10.1093/gbe/evu148 4,78
- Smettan H. (2014): Die handschriftlichen Aufzeichnungen von JOHANN SIMON VON KERNER zur Flora des Herzogtums Württemberg. Jahreshfte der Gesellschaft für Naturkunde in Württemberg 170(1), 115-190
- Smettan H. (2014): Neozoen im unteren Inntal von Tirol und im oberen Inntal von Bayern. Wissenschaftliches Jahrbuch der Tiroler Landesmuseen 7, 240-265
- Sökücü A. & Thines M. (2014): A molecular phylogeny of Basidiophora reveals several apparently host-specific lineages on Astereae. Mycological Progress 13(4), 1137-1143.
DOI:10.1007/s11557-014-1002-2
- Wagner F., Rossi V., Aubry-Kientz M., Bonal D., Dalitz H., Gliniars, R., Stahl C., Trabucco A. & Hérault B. (2014): Pan-tropical analysis of climate effects on seasonal tree growth. PLoS ONE 9(3) e92337.
DOI:10.1371/journal.pone.0092337 Waltari E., Schroeder R., McDonald K., Anderson R. P. & Carnaval A. (2014): Bioclimatic variables derived from remote sensing: assessment and application for species distribution modelling. Methods in Ecology and Evolution 5, 1033–1042. DOI: 10.1111/2041-210X.12264

Sammelwerke / Monographien / Lehrbücher 2014

- Dinter I. (Hrsg.) (2014): Türkei - Botanische Exkursion 2014. Institut für Botanik, Universität Hohenheim, Stuttgart, ISBN 978-3-00-047553-5, 130 S.
- Herz M., Knipping M. & Kroemer, E. (2014): Excursion A. The Rosenheim Basin: Würmian and Pre-Würmian deposits and the Höhenmoos interglacial (MIS 7). In: Kerschner, H, Krainer, K & Spötl, Ch. (ed.) From the foreland to the

Central Alps. Field trips to selected sites of Quaternary research in the Tyrolean and Bavarian Alps. DEUQUA Exkursionsführer, S. 6-17

Stika H.-P. (2014), Botanische Makroreste - Archäobotanische Ergebnisse. In: I. Beilke-Voigt, Das jungbronze- und früheisenzeitliche Burgzentrum von Lossow. Ergebnisse der Ausgrabungen 2008 und 2009. Materialien zur Archäologie in Brandenburg Bd. 8, Lossower Forschungen Bd. 3. Verlag Marie Leidorf, Rahden/Westfalen 2014, 139-145.

Buchbeiträge peer reviewed 2014

Berihuete-Azorín, M. (2014): Las plantas en las economías fueguinas: una perspectiva etnoarqueológica. In: Oria J. & Tivoli A.M. (eds.): Cazadores de mar y tierra. Estudios recientes en arqueología fueguina. Editora Cultural Tierra del Fuego. Ushuaia, pp. 389-408

Zimmermann R., Küppers M. & Loris K (2014): Ökophysiologie und Wachstum arktischer Pflanzen im Klimawandel. In: Lozán J. L., Graßl H., Piepenburg D. & Notz D. (Hrsg.): Warnsignal Klima - Die Polarregionen - Gebiete höchster Empfindlichkeit mit weltweiter Wirkung. Hamburg: Wiss Auswertungen, S. 136-139

Buchbeiträge / Wiss. Aufsätze 2014

Berihuete-Azorín M. & Lozovskaya O. (2014): Evolution of plant use at the wetland site Zamostje 2, Russia: First results. In: Paleoenvironment and Models of adaptations of lake settlements in the Mesolithic and Neolithic of the forest zone of Eastern Europe. Materials of the International Conference, May, 19–21, 2014, St. Petersburg, pp. 74-79

Piqué i Huerta R. & Berihuete-Azorín M. (2014): El paisaje y el aprovechamiento de los recursos vegetales entre las sociedades fueguinas. In: Briz I., Vietri L., Ceotto C. & Álvarez, M. (eds.): Tras las huellas de Giacomo Bove en Tierra del Fuego, ISBN: 978-987-28630-7-4, Editora Fueguina, Ushuaia, pp. 111-128

Smettan H. W. (2014): Die handschriftlichen Aufzeichnungen von Johann Simon von Kerner zur Flora des Herzogtums Württemberg. Jahresheft der Gesellschaft für Naturkunde in Württemberg 170(1), 115-190

Smettan H. W. (2014): Neozoen im unteren Inntal von Tirol und im oberen Inntal von Bayern. Wissenschaftliches Jahrbuch der Tiroler Landesmuseen 7, 240-265

Tagungsbeiträge / Abstracts 2014

Berihuete-Azorín M. & Lozovskaya O. (2014): Redes de pesca y cordelería en el Mesolítico final y Neolítico inicial de Zamostje 2, Sergiev Posad (Rusia). 6th International Congress of Ethnobotany, Córdoba (Spain). 17-21 November 2014

Berihuete-Azorín M. & Lozovskaya O. (2014): Evolution of plant use at the wetland site Zamostje 2, Sergiev posad, Russia: First results. International Conference on "Paleoenvironment and models of adaptations of lake settlements in the Mesolithic and Neolithic of the forest zone of Eastern Europe", Saint Petersburg, Russia, 19-21th May 2014

Berihuete-Azorín M. & Lozovskaya O. (2014): Pflanzliche Makroreste aus der Seeufersiedlung Zamostje 2, Sergiev Posad, Russland. Annual Meeting of the AG Archäobotanik in Basel, 27-29 June 2014

Berihuete-Azorín M. (2014): Ethnobotanical information for archaeobotanical interpretation: a proposal of systematization. 20th EAA Annual Meeting, Istanbul (Turkey). 10-14 September 2014

Berrocal A., Antolín F., Berihuete-Azorín M., Bosch A., Palomo A., Piqué R., Saña M., Tarrús J. & Terrades X. (2014): Food processing among early farmers in NE of Iberian Peninsula: contributions from the site of La Draga (Banyoles, Spain). 20th EAA Annual Meeting, Istanbul (Turkey). 10-14 September 2014

Derevnina L., Reyes-Chin-Wo S., Wong J., Martin F., Gil R. G., Froenicke L., Spring O., Sharma R., Varshney, R. K., Magill C. & Michelmore R. (2014): Comparative Genomics of Downy Mildews (and Rusts). Int. Plant and Animal Genome Conference XXII, 11-15 Jan 2014.

- Gómez-Zeledón J. (2014): Molecular polymorphism of *Plasmopara viticola* strains with different phenotype and progress on in vitro zoospore encystment. 9th Rhein-Wein-Symposium, Botanical Institute, KIT, University Karlsruhe, 15-16 May 2014
- Gómez-Zeledón J., Becker S. & Spring O. (2014): Comparing the pools of putative secreted proteins and effectors in downy mildew strains of different virulence. 7th International Workshop on Grapevine Downy and Powdery Mildew, 30 June - 4 July 2014, Vitoria-Gasteiz, Spain.
- Knipping, M. (2014): Zwischen Eem und Holstein? Pollenanalytische Untersuchungen an mittelpleistozänen Seesedimenten im Graben E Höhenmoos (Gmd. Rohrdorf, Oberbayern). 56. Jahrestagung der Hugo Obermaier-Gesellschaft in Braunschweig und Schöningen, 22.-26. April 2014, S. 34-35
- Krupp A., Rücker E., Heller A. & Spring O. (2014): Seed structure characteristics of *Orobanche cumana* populations. 3rd International Symposium on Broomrape in Sunflower. 3-6 June 2014, Córdoba, Spain
- Lebeda, A., Kitner M., Sedlakova B., Sharma R., Runge F. & Thines M. (2014): Biological and molecular evidences about changes in host range and virulence of *Pseudoperonospora cubensis* populations in Czech Republic. 12-16 Oct 2014, Bay Harbor, Michigan, USA, Cucurbitaceae 2014 Proceedings, 24-27
- Michelmoré R., Derevnina L., Gil J. R., Martin F., Wong J., Tsuchida C., Froenicke L., Reyes-Chin-Wo S., Ochoa O., Govindarajulu M., Xu H., Spring O., Sharma R., Vashney R. & Magill C. (2014): Comparative genomics of downy mildews and strategies for durable disease resistance. XVI International Congress on Molecular Plant-Microbe Interactions, 6-10 July 2014, Rhodes Island, Greece.
- Runge F. (2014): Host jumps as driving force for biodiversity in downy mildews. "Fytochem Project - interfiled integration of education focused on plant biochemistry and plant pathology" Dept. of Botany, Palacký University, Olomouc, Czech Republic, April 2014
- Simonato C., Sökücü A. & Güney A. (2014): Mit Mikrobokernen Holzwachstum erforschen. Wissen schaff(t) Leben, 3. Stud. Jahrestagung Humboldt Reloaded Hohenheim, 4.11.2014, Tagungsband, 74
- Stika H.-P. & Heiss A. G. (2014): Shifting Diversities: Examples for Changes in Crop Use from the Chalcolithic to the Bronze Age in Western and Central Europe. In: N. Başgelen (ed.): 20th Annual Meeting of the European Association of Archaeologists, Istanbul, Turkey, 10-14 September 2014. Abstracts of the Oral and Poster Presentations. Archaeology & Art Publications, Istanbul, 385.

2013

Zeitschriften-Aufsätze begutachtet 2013

- Aschenbrenner A.-K., Horakh S. & Spring O. (2013): Linear glandular trichomes of *Helianthus* (Asteraceae) - Morphology, localization, metabolite activity and occurrence. *AoB Plants* 5, 10.1093/aobpla/plt028
- Berihuete-Azorín M. (2013): First archaeobotanical approach to plant use among Selknam hunter-gatherers (Tierra del Fuego, Argentina). *Archaeological and Anthropological Sciences* 5, 255–266
DOI:10.1007/s12520-013-0137-4
- Friedrich, W. L., Kromer, B., Friedrich, M., Heinemeier, J., Pfeiffer, T. & Talamo, S. (2013): The olive branch chronology stands irrespective of tree-ring counting. *Antiquity* 88(339), 274-277
- Gliniars R., Becker G. S., Braun D. & Dalitz H. (2013): Monthly stem increment in relation to climatic variables during 7 years in an African Rainforest. *Trees* 27(4), 1129-1138.
- Gómez-Zeledón J., Zipper R. & Spring O. (2013): Assessment of phenotypic diversity of *Plasmopara viticola* on *Vitis* genotypes with different resistance. *Crop Protection* 54, 221-228
- Grasse W., Zipper R., Totska M. & Spring O. (2013): *Plasmopara halstedii* virus causes hypovirulence in *Plasmopara halstedii*, the downy mildew pathogen of the sunflower. *Fungal Genetics and Biology* 57, 42-47
- Güttler D., Wacker L., Kromer B., Friedrich M. & Synal H.-A. (2013): Evidence of 11-year solar cycles in tree rings from 1010 to 1110 AD – Progress on high precision AMS measurements. *Nuclear Instruments and Methods in*

Physics Research Section B: Beam Interactions with Materials and Atoms 294, 459-463.
DOI:10.1016/j.nimb.2012.08.046

- Hogg A., Turney C., Palmer J., Southon J., Kromer B., Ramsey C. B., Boswijk G., Fenwick P., Noronha A., Staff R., Friedrich M., Reynard L., Guetter D., Wacker L. & Jones R. (2013): The New Zealand kauri (*Agathis australis*) research project: A radiocarbon dating intercomparison of Younger Dryas wood and implications for IntCal13. *Radiocarbon* 55(4), 2035-2048
DOI:10.2458/azu_js_rc.v55i2.16217
- Heller A. & Witt-Geiges T. (2013): Oxalic Acid Has an Additional, Detoxifying Function in *Sclerotinia sclerotiorum* Pathogenesis. *PLoS one*, 8 (8), p.e72292. DOI:10.1371/journal.pone.0072292
- Jahns S., Stika H.-P., Christiansen J., Knipping M. & Sudhaus D. (2013): Zur Bedeutung der Archäobotanik in der archäologischen Forschung. In: E.I. Faulstich (Hrsg.): Dokumentation und Innovation bei der Erfassung von Kulturgütern II, Schriften des BfK, Band 5. <https://www.b-f-k.de/webpub03/content/vortrag08.html>
- Lava S. S., Heller A. & Spring O. (2013): Oospores of *Pustula helianthicola* in sunflower seeds and their role in the epidemiology of white blister rust. *IMA Fungus* 4(2):251-258.
DOI:10.5598/imafungus.2013.04.02.10
- Mbatudde M., Nyakaana S., Ploß S. & Dalitz H. (2013): Genetic Structure of *Prunus africana* Rosaceae (Hook.f.) Kalkm. in East Africa, as Inferred from Nuclear and Chloroplast DNA. *African Journal of Plant Science and Biotechnology* 7 (1), 9-14
- Mbatudde M., Majaliwa G., Eilu G., Kakudidi E. & Dalitz H. (2013): Potential distribution of vulnerable *Entandrophragma angolense* (Welw.) C. DC. (Meliaceae) in East Africa. *African Journal of Ecology* 51(3), 471-481. DOI:10.1111/aje.12058
- McCarroll D., Loader N. J., Jalkanen R., Gagen M. H., Grudd H., Gunnarson B. E., Kirchhefer A. J., Friedrich M., Linderholm H. W., Lindholm M., Boettger T., Los S. O., Remmele S., Kononov Y. M., Yamazaki Y. H., Young G. H. F. & Zorita E. (2013): A 1200-year multioproxy record of tree growth and summer temperature at the northern pine forest limit of Europe. *The Holocene* 23(4), 471-484
- Mirzaee M. R., Ploch S., Runge F., Telle S., Nigrelli L. & Thines M. (2013): A new presumably widespread species of *Albugo* parasitic to *Strigosella* spp. (Brassicaceae). *Mycol. Progress* 12(1), 45-52. DOI:10.1007/s11557-012-0811-4
- Raupp F. & Spring O. (2013): New Sesquiterpene Lactones from Sunflower Root Exudate as Germination Stimulants for *Orobanche cumana*. *J. of Agricultural and Food Chemistry* 61(44), 10481-10487.
- Reimer P. J., Bard E., Bayliss A., Beck J. W., Blackwell P. G., Ramsey C. B., Buck C. E., Cheng H., Edwards R. L., Friedrich M., Grootes P. M., Guilderson T. P., Hafliðason H., Hajdas I., Hatté C., Heaton T. J., Hoffmann D. L., Hogg A. G., Hughen K. A., Kaiser K. F., Kromer B., Manning S. W., Niu M., Reimer R. W., Richards D. A., Scott E. M., Southon J. R., Staff R. A., Turney C. S. & van der Plicht J. (2013): IntCal13 and Marine13 Radiocarbon Age Calibration Curves 0–50,000 Years cal BP. *Radiocarbon* 55(4), 1869-1887. DOI:10.2458/azu_js_rc.55.16947
- Reimer P. J., Bard E., Bayliss A., Beck J. W., Blackwell P. G., Ramsey C. B., Brown D. M., Buck C. E., Edwards L., Friedrich M., Grootes P. M., Guilderson T. P., Hafliðason H., Hajdas I., Hatté C., Heaton T. J., Hogg A. G., Hughen K. A., Kaiser K. F., Kromer B., Manning S. W., Reimer R. W., Richards D. A., Scott E. M., Southon J. R., Turney C. S. & van der Plicht J. (2013): Selection and Treatment of Data for Radiocarbon Calibration: An Update to the International Calibration (IntCal) Criteria. *Radiocarbon* 55(4), 1923-1945. DOI:10.2458/azu_js_rc.55.16955
- Smettan H. (2013): Subspontan und spontan wachsende Nutzpflanzen auf den Fildern/Württemberg. *Jahreshefte der Gesellschaft für Naturkunde in Württemberg* 169, 235-261
- Spring O., Hammer T., Zipper R. & Billenkamp N. (2013): Population dynamics in tobacco blue mold incidences as a consequence of pathogen control and virulence performance of *Peronospora tabacina* phenotypes. *Crop Protection* 45, 76.82228
- Sukanya. S. L. & Spring O. (2013): Influence of temperature and ultra-violet light on viability and infectivity of *Peronospora tabacina* sporangia. *Crop Protection* 51, 14-18

Usoskin I. G., Kromer B., Ludlow F., Beer J., Friedrich M., Kovaltsov G. A., Solanki S. K. & Wacker L. (2013): The AD775 cosmic event revisited: the Sun is to blame. *Astronomy & Astrophysics* 552, L3.
DOI:10.1051/0004-6361/201321080

Sammelwerke / Monographien / Lehrbücher 2013

Dinter I. (Hrsg.) (2013): *Türkei - Botanische Exkursion 2013*. Institut für Botanik, Universität Hohenheim, Stuttgart, ISBN 978-3-00-0432797-6, 133 S.

Stika H.-P. & Heiss A. (2013): Plant Cultivation in the Bronze Age. Chapter 19. In: Fokkens H. & Harding A. (eds.): *The Oxford Handbook of The European Bronze Age*, p. 348-369

Buchbeiträge / Wiss. Aufsätze 2013

Heiss A.G. & Stika H.-P., de Zorzi N. & Jursa M. (2013): *Nigella* in the Mirror of Time. A Brief Attempt to Draw a Genus' Ethnohistorical Portrait. In: Offa, *Berichte und Mitteilungen zur Urgeschichte, Frühgeschichte und Mittelalterarchäologie*, Band 69/70, Festschrift für Helmut Johannes Kroll, Wachholtz Verlag, Neumünster, 147-169

Leuschner H. H., Friedrich M. & Leuschner B. (2013): Zur Klimaentwicklung in der Völkerwanderungszeit und im frühen Mittelalter. In: Willroth K.-H., Beug H.-J., Lüth F. & Schopper F. (Eds.): *Slawen an der unteren Mittelelbe, Frühmittelalterliche Archäologie zwischen Ostsee und Mittelmeer*, Reichert Verlag Wiesbaden, S. 29-32

Manning, S. W., Kromer, B., Dee, M., Friedrich, M., Higham, T. F. G., and Ramsey, C. B. (2013). Radiocarbon Calibration in the Mid to Later 14th Century BC and Radiocarbon Dating Tell El-Amarna, Egypt (4.4). In: Shortland A. J. & Bronk Ramsey C. (Eds.): *Radiocarbon and the Chronologies of Ancient Egypt*, Oxbow Books (UK), pp. 121-145

Smettan H. (2013): Neue Fundorte – Bestätigungen – Verluste Nr. 847-862 (*Agropyron pectiniforme* - *Alchemilla mollis* - *Anemone blanda* - *Butomus umbellatus* - *Catapodium rigidum* - *Centranthus ruber* - *Digitaria sanguinalis* ssp. *pectiniformis* - *Galium parisiense* - *Hordeum jubatum* - *Ipomoea purpurea* - *Melilotus indicus* - *Nymphoides peltata* - *Oxalis dillenii* - *Senecio aquaticus* - *Setaria faberi* - *Solanum decipiens*). *Berichte der Botanischen Arbeitsgemeinschaft Südwestdeutschland* 7, 59-61

Stika H.-P. (2013): Landwirtschaft der frühen Kelten im mittleren Neckarland aus der Sicht der Archäobotanik sowie Hinweise auf alkoholische Getränke durch Bodenfunde. In: Müller H. A. (Hrsg.): *Keltologische Kontroversen I*, S. 73-104.

Stika H.-P. & Heiss A.G. (2013): Archäobotanische Untersuchungen am bronzezeitlichen Tell von Százhalombatta-Földvár an der Donau in Ungarn. In: Offa, *Berichte und Mitteilungen zur Urgeschichte, Frühgeschichte und Mittelalterarchäologie*, Band 69/70, Festschrift für Helmut Johannes Kroll, Wachholtz Verlag, Neumünster, 411-427.

Stika H.-P. & Heiss A. G. (2013): Bronzezeitliche Landwirtschaft in Europa – Der Versuch einer Gesamtdarstellung des Forschungsstandes. In: Willroth K.-H. (Hrsg.): *Siedlungen der älteren Bronzezeit – Beiträge zur Siedlungsarchäologie und Paläoökologie des zweiten vorchristlichen Jahrtausends in Südkandinavien, Norddeutschland und den Niederlanden (Studien zur nordeuropäischen Bronzezeit Bd. 1)*, S. 189-222

Stika H.-P. & Heiss A. G. (2013): Seeds from the Fire: Charred Plant Remains from Kristian Kristiansen's Excavations in Sweden, Denmark, Hungary and Sicily. In: Bergerbrant S. & Sabatini S. (eds.), *Counterpoint: Essays in Archaeology and Heritage Studies in Honour of Professor Kristian Kristiansen*, BAR International Series 2508, Archaeopress, Oxford, 77-86.

Stika H.-P. & Jahns S. (2013): Pflanzliche Großreste und Pollen aus slawenzeitlichen Siedlungen an der unteren Mittelelbe. In: Brather S., von Carnap-Bornheim C., Jöns H., Lübke C., Lüth F., Müller-Wille M. & Willroth K.-H. (eds.): *Untersuchungen zur ländlichen Besiedlung, zum Burgenbau, zu Besiedlungsstrukturen und zum Landschaftswandel (Frühmittelalterliche Archäologie zwischen Ostsee und Mittelmeer Bd. 4)*, S. 253-268

Tagungsbeiträge / Abstracts 2013

- Aschenbrenner A.-K., Ro D.-K. & Spring O. (2013): Identification of the first bisabolene synthase of Asteraceae from linear glandular trichomes of sunflower. 11th Internat. Meeting on Biosynthesis, Function and Biotechnology of Isoprenoids in Terrestrial and Marine Organisms (TERPNET). 1-5 June 2013, Kolymvari, Crete, Greece.
- Frey M. & Spring O. (2013): Closing the last gap in costunolide synthesis of sunflower. 11th Internat. Meeting on Biosynthesis, Function and Biotechnology of Isoprenoids in Terrestrial and Marine Organisms (TERPNET). 1-5 June 2013, Kolymvari, Crete, Greece.
- Heiss A. G. & H.-P. Stika (2013): Bronze Age Crop Production – General Tendencies in Europe from Early towards Late Bronze Age. In: Terra Nostra, Band 2013/1, Socio-Environmental Dynamics over the last 12,000 Years: the Creation of Landscapes III, Programme and Abstract Volume, 80-81.
- Heiss A.G. & H.-P. Stika, (2013): Making the incomparable comparable? A new attempt of the semi-quantitative evaluation of large-scale archaeobotanical data. 16th Conference of the International Work Group for Palaeoethnobotany (IGWP), 17.-22. June 2013, Thessaloniki. Greece. Abstract Book, posters abstracts, 112.
- Pavarini D. P., Oliveira L. P., Pereira L. M., Natsui A. P., Spring O. & Lopes N. P. (2013): Combining transcriptomics-based and proteomics-based approaches for functional characterization of terpene synthases of “Arnica da Serra” (Asteraceae). *Planta Medica* 79 - PM9 (Book of Abstracts, 61st Int. Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, 1-5 September 2013, Münster, Germany). DOI: 10.1055/s-0033-1352342
- Schröder R., McDonald K. C., Azarderakhsh M., Steiner N., Dunbar S., Zimmermann R. & Küppers M. (2013): ASCAT MetOp-A Backscatter Observations over the Global Land Surface: Application to Monitoring Recent Trends in Lake and Wetland Extent and to Monitoring Crop Growth over the United States. 46th AGU Fall Meeting, San Francisco CA, 9-13 Dec 2013, Abstract B51E-0339.
- Sharma R., Mishra B., F. Runge, M. & Thines (2013): Smut fungi are model systems for investigating the evolution of pathogenicity– insights from the genome of *Melanopsichium pennsylvanicum*. 1st Int. Conference on Wild Plant Pathosystems 2-5 July 2013, Olomouc, Czech Republic.
- Spring O., Zipper R., Frey M. (2013): Sesquiterpene profiles and sequence analysis of terpene synthases as used to disclose the phylogenetic ancestry of hybrid species in Asteraceae – A case study with *Helianthus x multiflorus* L. 11th Internat. Meeting on Biosynthesis, Function and Biotechnology of Isoprenoids in Terrestrial and Marine Organisms (TERPNET). 1-5 June 2013, Kolymvari, Crete, Greece.
- Stika H.-P. (2013): Archaeobotanical (and other) investigations at the Calcolithic site of Zambujal in Portugal. 16th Conference of the International Work Group for Palaeoethnobotany (IGWP), 17.-22. June 2013, Thessaloniki. Greece. Abstract Book, oral abstracts, 60-61
- Stika H.-P., A.G. Heiss & H. Rützler (2013): Nearly forgotten cereals re-activated for today’s slow food production in south-western Germany and eastern Austria. 16th Conference of the International Work Group for Palaeoethnobotany (IGWP), 17.-22. June 2013, Thessaloniki. Greece. Abstract Book, posters abstracts, 219-220.

2012

Zeitschriften-Aufsätze begutachtet 2012

- Becker G. S., Braun D., Gliniars R., Dalitz H. (2012): Relations between wood variables and how they relate to tree size variables of tropical African tree species. *Trees* (Berlin) 26(4), 1101-1112
DOI:10.1007/s00468-012-0687-6
- Berihuete-Azorín M. & Antolín F. (2012): A les avellanes, foc i flames: Tafonomia i quantificació de les closques d’avellana recuperades en contextos arqueològics. Revisió del registre documentat a la Península Ibèrica. *Cypsela* 19, 281-294. [published 2015]

- Colliander A., McDonald K., Zimmermann R., Schroeder R., Kimball J.S., Njoku E.G. (2012): Application of QuikSCAT Backscatter to SMAP Validation Planning: Freeze/Thaw State Over ALECTRA Sites in Alaska From 2000 to 2007. *IEEE T. Geoscience and Remote Sensing* 50(2): 461-468
- Chernenkova T. V., Bochkarev Y. N., Friedrich M. & Boettger T. (2012). The Influence of Natural-Anthropogenic Factors on Radial Increment of Trees on Kola Peninsula. *Forest Science (Lesovedenie)* 4, 3-15
- Colliander A., McDonald K., Zimmermann R., Schroeder R., Kimball J.S., Njoku E.G. (2012): Application of QuikSCAT Backscatter to SMAP Validation Planning: Freeze/Thaw State Over ALECTRA Sites in Alaska From 2000 to 2007. *IEEE T. Geoscience and Remote Sensing* 50(2): 461-468
- Cui Q., Feng Z., Pfiz M., Veste M., Küppers M., He K. & Gao J. (2012): Trade-off between shrub plantation and wind-breaking in the arid sandy lands of Ningxia, China. *Pak. J. Bot.* 44(5), 1639-1649. URL: [http://www.pakbs.org/pjbot/PDFs/44\(5\)/23.pdf](http://www.pakbs.org/pjbot/PDFs/44(5)/23.pdf)
- Kaiser K. F., Friedrich M., Miramont C., Kromer B., Sgier M., Schaub M., Boeren I., Remmele S., Talamo S., Guibal F. & Sivan O. (2012): Challenging process to make the Late-glacial tree-ring chronologies from Europe absolute - an inventory. *Quaternary Science Reviews*, 36: 78-90. DOI:10.1016/j.quascirev.2010.07.009
- Lava S. S. & Spring O. (2012): Homothallic sexual reproduction of *Pustula helianthicola* and germination of oospores. *Fungal Biology* 116(9), 976-984. DOI:10.1016/j.funbio.2012.06.007
- Mbatudde M., Mwanjololo M., Kakudidi E. K. & Dalitz H. (2012): Modelling the potential distribution of endangered *Prunus africana* (Hook.f.) Kalkm. in East Africa. *African Journal of Ecology* 50(4), 393-403 DOI:10.1111/j.1365-2028.2012.01327.x
- Ndambi Beninweck E., Cadisch G., Elzein A. & Heller A. (2012): Tissue specific reactions of sorghum roots to the mycoherbicide *Fusarium oxysporum* f. sp. *strigae* versus the pathogenic *F. proliferatum*. *Biocontrol Science and Technology* 22 (2), 135-150. DOI:10.1080/09583157.2011.644760
- Nieschulze J., Zimmermann R., Börner A. & Schulze E.-D. (2012): An assessment of forest canopy structure by LiDAR: Derivation and stability of canopy structure parameters across forest management types. *forstarchiv* 83, 195-209
- Quesada-Ocampo L. M., Granke L. L., Olsen J., Gutting H. C., Runge F., Thines M., Lebeda A. & Hausbeck M. K. (2012): The Genetic Structure of *Pseudoperonospora cubensis* Populations. *Plant Disease* 96(10), p. 1459-1470. DOI:10.1094/PIS-11-11-0943-RE
- Rost C. & Thines M. (2012): A new species of *Pustula* (Oomycetes, Albuginales) is the causal agent of sunflower white rust. *Mycological Progress*, 11 (2): 351 - 359
- Runge F., Ndambi Beninweck E. & Thines M. (2012): Which morphological characteristics are most influenced by the host matrix in downy mildews? A Case Study in *Pseudoperonospora cubensis*. *PLOS ONE* 7(11): e44863. DOI:10.1371/journal.pone.0044863
- Runge F. & Thines M. (2012): Reevaluation of Host Specificity of the Closely Related Species *Pseudoperonospora humuli* and *P. cubensis*. *Plant Disease* 96 (1): 55-61. DOI:10.1094/PDIS-01-11-0035
- Seeliger M., Bartz M., Feuser S., Knipping M., Pirson F. & Brückner H. (2012): The harbour of Pergamum - coastal evolution of the Bay of Elaia (NW Turkey). *eTopoi Journal for Ancient Studies, Special Volume 3*, 107-112
- Sukanya Soonagahalli L. & Spring O. (2012): Homothallic sexual reproduction of *Pustula helianthicola* and germination of oospores. *Fungal Biology* 116(9), 976-984. DOI:10.1016/j.funbio.2012.06.007
- Trachsel M., Kamenik C., Grosjean M., McCarroll D., Moberg A., Brázdil R., Büntgen U., Dobrovlný P., Esper J., Frank D. C., Friedrich M., Glaser R., Larocque-Tobler I., Nicolussi K. & Riemann D. (2012): Multi-archive summer temperature reconstruction for the European Alps, AD 1053-1996. *Quaternary Science Reviews* 46, 66-79. DOI:10.1016/j.quascirev.2012.04.021
- Trigiano R. N., Wadl P. A., Dean D. D., Hadziabdic D., Scheffler B. E., Runge F., Telle S., Thines M., Ristaino J. & Spring O. (2012): Ten polymorphic microsatellite loci identified from a small insert genomic library for *Peronospora tabacina*. *Mycologia* 104(3), 633-640. DOI:10.3852/11-288
- Werner F. A., Homeier J., Oesker M. & Boy J. (2012): Epiphytic biomass of a tropical montane forest varies with topography. *J. Trop. Ecol.* 28: 23-31 – DOI:10.1017/S0266467411000526

Sammelwerke / Monographien / Lehrbücher 2012

Dinter I. (Hrsg.) (2012): Tansania - Botanische Exkursion 2012. Institut für Botanik, Universität Hohenheim, Stuttgart, ISBN 978-3-00-040607-2, 123 S.

Buchbeiträge / Wiss. Aufsätze 2012

Schirmer W., Friedrich M., Knipping M., Kromer B. & Abramowski U. (2012): River history of the Upper Main River area from Tertiary to Holocene. (Excursion B + Stop 3 Late Glacial Ebing Terrace in the Rodach valley ground near Redwitz). In: (Zöller L. & Peterek A. eds.): From Paleozoic to Quaternary. A field trip from the Franconian Alb to Bohemia, DEUQUA Excursions, Hannover, 25-40

Smettan H. W. (2012): Gebietsfremde Gehölze auf den Fildern. Jahresheft der Gesellschaft für Naturkunde in Württemberg 167, 409-447

Spring O. (2012): Oomycota Arx. In: Frey, W. (ed.) Syllabus of Plant Families, 13th Ed., Part 1/1: Blue-green Algae, Myxomycetes and Myxomycete-like organisms, Phytoparasitic protists, Heterotrophic Heterokontobionta and Fungi p.p., Borntraeger, Stuttgart, 98-105

Spring, O. (2012): Biotrophe Oomyceten, eine sehr spezielle Gruppe von Pflanzenpathogenen. *Adrias* 18: Mykologie in Baden-Württemberg, 111-115.

Stika H.-P. (2012): Archäobotanische Ergebnisse zum Deutschen Mittelalter – Die Dörfer Diepensee, Lkr. Dahme-Spreewald, Horno und Klein Görigk, Lkr. Spree-Neiße. In: Archäologie in Berlin und Brandenburg 2011, Theiss Verlag, Stuttgart 2012, 110-115.

Tagungsbeiträge / Abstracts 2012

Aschenbrenner A.-K. & Spring O. (2012): The first identified bisabolene synthase of Asteraceae contributes to sesquiterpenes in sunflower trichomes. 6th RegioPlantScience Meeting, Tübingen, 12 Oct 2012

Boettger T., Haupt M. & Friedrich M. (2012): Sensitivity of stable isotope ratios of tree-rings of Silver fir (*Abies alba* Mill.) in Franconia (Central Germany) to climate and environmental changes. European Geosciences Union, General Assembly 2012, Vienna, Austria, 22-27 April 2012. Geophysical Research Abstracts 14, EGU2012-14367

Grasse W. & Spring O. (2012): Effects of the mycovirus PHV on the infectivity of *Plasmopara halstedii*, the downy mildew pathogen of sunflower. Gemeinsame Jahrestagung der Arbeitskreise "Mykologie" und "Wirt-Parasit-Beziehungen" der Deutschen Phytomedizinischen Gesellschaft, Hohenheim, 22.-23. März 2012

Horna V., Zimmermann R., Remmele S. & Vasquez P. (2012): Seasonal variability of stem growth and water use in a neotropical dry forest. In: Islands in land- and seascape: The Challenges of Fragmentation. ISBN 978-3-00-037462-3, Conference of the Society for Tropical Ecology (gtö), Erlangen, 22-25 Feb. 2012, p.83

Knipping M. & Herz M. (2012): Pollenanalytische Untersuchungen an mittelpleistozänen Seesedimenten im Graben E Höhenmoos (Gmd. Rohrdorf, Oberbayern). 36. Hauptversammlung der DEUQUA "Umwelt - Mensch - Georisiken um Quartär", 16.-20. Sept. 2012, Univ. Bayreuth

Lava S. S. & Spring O. (2012): Viability and infectivity of *Peronospora tabacina* in post harvest processing of tobacco. Gemeinsame Jahrestagung der Arbeitskreise "Mykologie" und "Wirt-Parasit-Beziehungen" der Deutschen Phytomedizinischen Gesellschaft, Hohenheim, 22.-23. März 2012

Niedermann A., Zimmermann R., Remmele S., Horna V., Vasquez P., Urbiola J. & Aas G. (2012): Growth dynamics of native woody species along an elevational gradient in the Central Marañón Valley, Northern Peru. . In: Islands in land- and seascape: The Challenges of Fragmentation. ISBN 978-3-00-037462-3, Conference of the Society for Tropical Ecology (gtö), Erlangen, 22-25 Feb. 2012, p.163

Raupp F. (2012): Sesquiterpene lactones of sunflower in the rhizosphere stimulate germination of sunflower-broomrape. Tagung der Deutschen Botanischen Gesellschaft, Sektion "Pflanzliche Naturstoffe", Hildesheim, 30. Sept. - 2. Okt 2012

- Schröder R., McDonald K. C., Kimball J. S., Dunbar S., Azarderakhsh M., Steiner N., Zimmermann R. & Küppers M. (2012): Compiling ASCAT Scatterometer Data for Continuing Global Vegetation State Monitoring: An initial comparison with SeaWinds-on-QuikSCAT Scatterometer Data. 45th AGU Fall Meeting, San Francisco CA, 3-7 Dec 2012
- Schweiggert R. M., Mezger D., Schimpf F., Steingass C. B., Heller A., Riedl K., Kopec R., Quesada S., Esquivel P., Carle R. & Schwartz S. J. (2012): Bioavailability and bioaccessibility of carotenoids from papaya, tomato and carrot are modulated by chromoplast morphology. *Experimental Biology 2012*, San Diego, CA, USA (EB2012), 21-15 Apr. 2012
- Seeliger M., Bartz M., Kelterbaum D., Feuser S., Knipping M., Pirson F., Vött A. & Brückner H. (2012): The harbour of Pergamum – coastal evolution of the Bay of Elaia (NW Turkey). 2nd Int. Land-scape Archaeology Conference (LAC), Berlin 6-9 June 2012
- Sökücü A., Zimmermann R., Horna V., Remmele S. & Küppers M. (2012): Water use and stem growth in a montane pine plantation in S-Ecuador. . In: *Islands in land- and seascape: The Challenges of Fragmentation*. ISBN 978-3-00-037462-3, Conference of the Society for Tropical Ecology (gtö), Erlangen, 22-25 Feb. 2012, p.166
- Spring O. & Lava S.S. (2012): The biology and epidemiology of sunflower white blister rust, *Pustula helianthicola*. 18th Int. Sunflower Conference, Mar del Plata, Argentina, 27 Feb - 1 March 2012
- Stika H.-P. (2012): Hohes und Spätes Mittelalter in Brandenburg – Archäobotanische Ergebnisse aus drei Dörfern. Jahrestreffen des Arbeitskreises Archäobotanik der Reinhold-Tüxen-Gesellschaft, Archäologiepark Villa Borg, 10.-13.05.2012
- Stika H.-P. & Kirsch K. (2012): Archäobotanischen Untersuchungen zum mittelalterlichen Horno. Jahresberichts-konferenz Landesdenkmalamt Brandenburg, Brandenburg a.d. Havel, 8.-9.03.2012
- Stika H.-P., Boeren I., Friedrich M., Knipping M. & Küppers M. (2012): "Fire and Water - The dendro-ecological reconstruction of a Late-Glacial pine forest in Reichwalde, E-Germany. 3rd International Schöntal Conference "Farming in the Forest - Ecology and Economy of Fire in Prehistoric Agriculture". Kloster Schöntal, 11.-15.07.2012
- Wagner S., Häfner F., Dörr S.; Heller A. (2012): Etablierung geeigneter Präparationsmethoden für die Rasterelektronenmikroskopie zur Untersuchung von Mykorrhizapilzen. 1. Studentische Jahrestagung Humboldt Reloaded 26.10.2012, Univ. Hohenheim, Stuttgart (Studierende: S. Wagner, F. Häfner, S. Dörr), Tagungsband, 51

2011

Zeitschriften-Aufsätze begutachtet 2011

- Brune T. & Haas K. (2011): Equisetum species show uniform epicuticular wax structures but diverse composition patterns. *AoB Plants* 2011. 14p - DOI:10.1093/aobpla/plr009
- Bucher S.F., Ghorbani A., Langenberger G., Küppers M. & Sauerborn J. (2011): *Asparagus* ssp. in Traditional Chinese Medicine: Wild Collection and its Sustainability. *TRAFFIC Bulletin* 23 (2), 61-63
- Choi Y-J., Thines M., Runge F., Hong S.-B., Telle S. & Shin H.-D. (2011): Evidence for high degrees of specialisation, evolutionary diversity, and morphological distinctiveness in the genus *Bremia*. *Fungal Biology* 115 (2), 102-111. - DOI:10.1016/j.funbio.2010.10.010
- Gerwin W., Schaaf W., Biemelt D., Winter S., Fischer A., Veste M. & R.F. Hüttl (2011): Overview and first results of ecological monitoring at the artificial watershed Chicken Creek (Germany). *Physics and Chemistry of the Earth* 36, 61-73. - DOI:10.1016/j.pce.2010.11.003
- Heller-Dohmen M., Göpfert J. C., Pfannstiel J. & Spring O. (2011): The nucleotide sequence and genome organization of *Plasmopara halstedii* virus. *Virology Journal* 2011, 8:123, 8p. DOI:10.1186/1743-422X-8-123
- Horna V., Zimmermann R., Müller E. & Parolin P. (2011): Sap flow and stem respiration. In: Junk W.J., Piedade M.T.F., Wittmann F., Schöngart J. & Parolin P. (eds.): *Amazonian Floodplain Forests: Ecophysiology, Biodiversity and Sustainable Management*. Springer Verlag, Heidelberg, Ecological Studies 210, 223-241. - DOI:10.1007/978-90-481-8725-6_11

- Ikezawa N., Göpfert J. C., Nguyen D. T., Kim S.-U., O'Maille P. E., Spring O. & Ro D.K. (2011): Lettuce costunolide synthase (CYP71BL2) and its homolog (CYP71BL1) from sunflower catalyze distinct regio- and stereoselective hydroxylations in sesquiterpene lactone metabolism. *Journal of Biological Chemistry*, 286 (24): 21601-21611 - DOI:10.1074/jbc.M110.216804
- Ndambi B., Cadisch G. Elzein A. & Heller A. (2011): Colonization and control of *Striga hermonthica* by *Fusarium oxysporum* f. sp. *strigae*, a mycoherbicide component: an anatomical study. *Biological Control* 58(2):149-159. - DOI:10.1016/j.biocontrol.2011.04.015
- Ploch S., Telle S., Choi Y.-J., Cunnington J. H., Priest M., Rost C., Shin H.-D. & Thines M. (2011): The molecular phylogeny of the white blister rust genus *Pustula* reveals a case of underestimated biodiversity with several undescribed species on ornamentals and crop plants. *Fungal Biology* 115 (3), 214-219
- Rost C. & Thines M. (2011, in press): A new species of *Pustula* (Oomycetes, Albuginales) is the causal agent of sunflower white rust. *Mycological Progress*, 9p. - DOI 10.1007/s11557-011-0748-z
- Runge F. & Thines M. (2011): Host matrix has major impact on the morphology of *Pseudoperonospora cubensis*. *Eur J Plant Pathol* 129 (2), 147-156. - DOI 10.1007/s10658-010-9650-9
- Runge F., Choi Y.-J. & Thines M. (2011): Phylogenetic investigations in the genus *Pseudoperonospora* reveal overlooked species and cryptic diversity in the *P. cubensis* species cluster. *Eur. J. Plant Pathol.* 129 (2), 135-146
- Runge F., Telle S., Ploch S., Savory E., Day B., Sharma R. & Thines M. (2011): The inclusion of downy mildews in a multi-locus-dataset and its reanalysis reveals high degree of paraphyly in *Phytophthora*. *IMA Fungus*, 2: 163-171
- Schleuning M., Farwig N., Peters M. K., Bergsdorf T., Bleher B., Brandl R., Dalitz H., Fischer G., et al. (2011): Forest Fragmentation and Selective Logging Have Inconsistent Effects on Multiple Animal-Mediated Ecosystem Processes in a Tropical Forest. *PLoS ONE* 6(11): e27785. DOI:10.1371/journal.pone.0027785
- Schweiggert R. M., Steingass C. B., Heller A., Esquivel P. & Carle R. (2011, in press): Characterization of chromoplasts and carotenoids of red- and yellow-fleshed papaya (*Carica papaya* L.). *Planta* 234/1, 14p. - DOI 10.1007/s00425-011-1457-1
- Spring O., Thines M., Wolf S. & Zipper R. (2011): PCR-based detection of sunflower white blister rust (*Pustula helianthicola* C. Rost & Thines) in soil samples and asymptomatic hist tissue. *Eur. J. Plant Pathology* 131 (3): 519-527 - DOI: 10.1007/s10658-011-9827-x
- Stika H.-P. (2011): Early Iron Age and Late Mediaeval malt finds from Germany – attempts at reconstruction of early Celtic brewing and the taste of Celtic beer. *Archaeological and Anthropological Sciences* 3 (1), 41-48. - DOI: 10.1007/s12520-010-0049-5
- Viranyi F. & Spring O. (2011): Advances in sunflower downy mildew research. *Ecology. Eur. J. Plant Pathol.* 129 (2), 207-220. - DOI: 10.1007/s10658-010-9683-0
- Yair A., Almog R. & Veste M. (2011): Differential hydrological response of biological topsoil crusts along a rainfall gradient in a sandy arid area: Northern Negev desert, Israel. *CATENA* 87 (3), 326-333

Buchbeiträge / Wiss. Aufsätze 2011

- Breckle S-W & Küppers M (2011) Nutzpflanzen für aride und semiaride Gebiete. In: Lozán J L, Graßl H, Hupfer P, Menzel L., Karbe L. & Schönwiese C D (Hrsg.) Warnsignal Klima: Genug Wasser für alle? Hamburg, 3. Aufl., Kap. 4.10., 517-527.
http://www.climate-service-center.de/030010/index_0030010.html.de
- Friedrich M. (2011): Der Süddeutsche Jahrringkalender – Mit Baumringen 12.650 Jahre der Vergangenheit exakt datieren. In: S. C. Weber (Ed.): *Bäume und Wald in Bildern und Skulpturen der Sammlung Würth*, Swiridoff Verlag, Künzelsau, pp. 137-148.
- Motzer T., Munz N., Anhof D. & Küppers M. (2011): Transpiration and microclimate of a tropical montane rain forest, southern Ecuador. In: Bruijnzeel L.A., F.N. Scatena & L.S. Hamilton (eds.): *Tropical Montane Cloud Forests*. International Hydrology Series, ISBN 9780521760355, Cambridge University Press, Cambridge, 447-455 - <http://dx.doi.org/10.1017/CBO9780511778384.049>

- Pirson F., mit Beiträgen von Bachmann M., Bebermeier W., Brückner H., Erkul E., Feuser S., Horejs B., Klein C., Knipping M., Sarioğlu A., Schneider S., Schütt B., Seeliger M., Stümpel H., Zimmermann M. (2011): Pergamon - Bericht über die Arbeiten in der Kampagne 2009. In: Gerke H.-J., Dally O. / Dt. Archäol. Institut (Hrsg.): Archäologischer Anzeiger, 2. Halbband 2010, /Hirmer Verlag, München, 139-236
- Smettan H. W. (2011): Die Landschaftsgeschichte im Umfeld der Heuneburg/obere Donau. In: Regierungspräsidium Stuttgart - Landesamt für Denkmalpflege (Hrsg.): Ein Beitrag zur Wald-, Moor- und Besiedlungsgeschichte. Fundberichte aus Baden-Württemberg Bd. 31, Theiss, Stuttgart, 115-164
- Smettan H. W. (2011): Von Ammonshörnern, Kümmelwurzeln und Irrwischen. Naturgeschichtliches von den Fildern aus dem 18. Jahrhundert. In: Stadt Ostfildern (Hrsg.): Aus der Geschichte Ostfilderns, Schriftenreihe des Stadtarchivs Ostfildern Bd. 9, 72-119
- Stika H.-P. (2011): Beer in Prehistoric Europe. In: W. Schiefenhövel & H. Macbeth (eds.) Liquid bread, Beer and brewing in cross-cultural perspective, Berghahn, New York, Oxford, 55-62.
- Stika H.-P. (2011): Verkohlt und unverkohlt – Botanische Makroreste aus Slawensiedlungen in der Prignitz. In: Archäologie in Berlin und Brandenburg 2009, Theiss Verlag, Stuttgart 2011, 71-75.

Sammelwerke / Monographien / Lehrbücher 2011

- Dalitz C., Dalitz H., Musila W. & Masinde S. (2011): Illustrated Field Guide to the Common Woody Plants of Kakamega Forest. Institut für Landschafts- und Pflanzenökologie der Universität Hohenheim, Beiheft 24, 625 p, ISBN 078-3-9811595-5-4
- Dinter I. (Hrsg.) (2011): Namibia. Naturkundliche Exkursion mit pharmazeutisch-botanischen Aspekten 20.04.-07.05.2011. ISBN: 978-3-00-037857-7, 99 S.

Tagungsbeiträge / Abstracts 2011

- Aschenbrenner A.-K. & Spring O. (2011): Linear glandular trichomes of sunflower - a new type of glands with sesquiterpene secreting capacity. Terpnat 2011, May 22-26, Kalmar, Sweden,
- Colliander A., McDonald K., Zimmermann R., Podest E., Schroeder R., Kimball J.S., Njoku E.G. (2011): Active and Passive multi-scale microwave remote sensing of the Alaska Ecological Transect: Application to SMAP freeze/thaw state validation planning. IEEE Int. Geoscience and Remote Sensing Symposium (IGARSS), Vancouver, Canada, July 24-29, 2011, ISBN 978-1-4577-1003-2, 3156-3159
- Gliniars R., Becker S., Oesker M. Todt H., Dalitz H. & Musila W. (2011): Strategies to conserve a lower-montane forest in East Africa using native tree species. In: Status and future of tropical biodiversity. ISBN 978-3-89973-000-5, Conference of the Society for Tropical Ecology (gtö), Frankfurt, 21-14 Feb. 2011, p. 73
- Guettler D., Wacker L., Kromer B., Friedrich M. & Bleicher N. (2011): High precision ¹⁴C AMS-analysis of oak tree rings – Can we observe a modulation of the ¹⁴C content according to the 11 years solar cycle? AMS-12 Int. Conference on Accelerator Mass Spectrometry, 20-25 March 2011, Wellington, New Zealand, Poster.
- Horna V., Zimmermann R., MacDonald K., Schröder R., Podest E., Behling H., Vasquez P., Dietz J., Flessa H., Heckmann M. & Börner A. (2011): Estimating carbon stock sizes and distribution of methane sources for upper amazon palm swamp ecosystems using in situ measurements, optical imagery and multi-temporal mapping with passive and active microwaves. In: Status and future of tropical biodiversity. ISBN 978-3-89973-000-5, Conference of the Society for Tropical Ecology (gtö), Frankfurt, 21-14 Feb. 2011, p. 55
- Podest E., McDonald K. C., Schroeder R., Pinto N., Zimmermann R., Horna V. (2011): Microwave Remote Sensing of Palm Swamp Distribution and Flooding Status in Regions of the Upper Amazon Basin of Northern Peru. NASA Carbon Cycle & Ecosystems Joint Science Workshop, October 3-7, 2011, Alexandria, VA, (Poster) 276
- Podest E., McDonald K. C., Schröder R., Pinto N., Zimmermann R., Horna V. (2011): Palm Swamp Wetland Ecosystems of the Upper Amazon: Characterizing their Distribution and Inundation State Using Multiple Resolution

Microwave Remote Sensing. American Geophysical Union, AGU Fall Meeting, San Francisco CA, 5-9 Dec 2011, Abstract B13F-0638

Quesada-Ocampo L., Granke L., Olsen J., Gutting H., Runge F., Thines M., Lebeda A., Hausbeck M.

(2011): The genetic structure of *Pseudoperonospora cubensis* global populations. APS-IPPC Joint Meeting, August 6-10, 2011, Honolulu, Hawaii. APS Meeting-Abstracts Phytopathology 101:S149

Raupp F. & Spring O. (2011): Sunflower sesquiterpene lactones as germination stimulants for *Orobancha cumana*. The International Symposium on Broomrape (*Orobancha* spp.) in Sunflower, Chisinau, Moldawien, August 2011

Remmele S., Niedermann A., Zimmermann R. & Aas G. (2011): Tree growth dynamics of *Polylepis* forests during the dry season along a humidity gradient in the Peruvian Andes. In: Status and future of tropical biodiversity. ISBN 978-3-89973-000-5, Conference of the Society for Tropical Ecology (gtö), Frankfurt, 21-14 Feb. 2011, p. 223

Spring O., Meyfarth E., Göpfert J. C. & Heller A. (2011): Cytological and immunological studies on STL-secreting glandular trichomes of sunflower. TERPNET 2011, 10th Int. Meeting on Biosynthesis and Function of Isoprenoids in Plants, Microorganisms and Parasites, May 22-26, Kalmar, Sweden, p. 103.

Schröder R., McDonald K. C., Podest E., Jones L. A., Kimball J. S., Pinto N., Zimmermann R. & Küppers M. (2011):

Application of NASA's modern era retrospective-analysis in Global Wetlands Mappings Derived from Coarse-Resolution Satellite Microwave Remote Sensing. American Geophysical Union, AGU Fall Meeting 5-9 Dec 2011, Abstract H21F-1200

Stika H.-P. & Heiss A.G. (2011): Bronzezeitlicher Ackerbau in Europa. Augsburg 2011, 23.-26. September. 21. Jahrestreffen des Arbeitskreises Vegetationsgeschichte der Reinhold-Tüxen-Gesellschaft.

Stika H.-P. (2011): Bronze Age crop production in north-east Denmark and south-west Sweden in comparison to general tendencies in Europe. Flensburg 2011, 07.-09. April, Workshop "Siedlungen der Bronzezeit", Akademie der Wissenschaften Mainz. Invited talk

Stika H.-P. (2011): Early Iron-Age mead, wine and beer finds from southern Germany compared to situlae feasts of the east Hallstatt sites. In: The 14th Int. Congress of Celtic Studies, Maynooth 2011, Synopses of Congress Papers, 84-85.

Stika H.-P. (2011): Landwirtschaft der frühen Kelten im mittleren Neckarland. Stuttgarter Vorträge zur modernen Keltologie im Historischen Institut der Universität Stuttgart. Invited talk: Stuttgart 2011, 26. Oktober.

Stika H.-P. (2011): Macrobotanical studies on crops and wild plants from the Slavic castle of Lenzen, River Elbe floodplain (Brandenburg). Poznań 2011, 26-28 May, Polish-German Science Symposium "Man and environment in the pre-industrial era on both sides of the Odra River"- Invited talk.

2010

Zeitschriften-Aufsätze begutachtet 2010

Elzein A., Heller A., Ndambi B., De Mol M., Kroschel J., Cadisch G. (2010): Cytological investigations on colonization of sorghum roots by the mycoherbicide *Fusarium oxysporum* f. sp. *strigae* and its implications for *Striga* control using a seed treatment delivery system. *Biological Control* 53(3), 249-257

Göpfert J.C., Bülow A.-K., Spring O. (2010): Identification and functional characterization of a new sunflower germacrene A synthase (HaGAS3). *Nat. Prod. Commun.* 5(5):709-15

Jung S., Fladerer C., Brändle F., Madlung J., Spring O. & Nordheim A. (2010): Identification of a novel *Plasmopara halstedii* elicitor protein combining *de novo* peptide sequencing algorithms and RACE-PCR. *Proteome Science* 2010, 8:24 (12pp). Online: doi:10.1186/1477-5956-8-24

Kromer B., Manning S.W., Friedrich M., Talamo S. & Trano N. (2010): ¹⁴C calibration in the 2nd and 1st millennia BC- Eastern Mediterranean radiocarbon comparison project (EMRCP). *Radiocarbon* 52(3): 875-886

Lozano P., Küppers M. & Bussmann R. W. (2010): Plant diversity of paramo and andean elfin forest in Podocarpus National Park - Loja, Ecuador. *Arnaldoa* 17 (2), 193-202

- Lozano P., Küppers M. & Bussmann R. W. (2010): Plant diversity of paramo and andean elfin forest in Podocarpus National Park - Loja, Ecuador. *Arnaldoa* 17 (2), 193-202
- Miramont C., Guibal F., Kaiser K.-F., Kromer B., Sgier M., Sivan O., Friedrich M., Talamo S. (2010): L'apport des séries dendrochronologiques françaises au prolongement de la chronologie européenne absolue et à la calibration du radiocarbone. *Panorama de la dendrochronologie en France, Collection EDYTEM 11*: 189-198
- Nguyen D.T., Göpfert J.C., Ikezawa N., MacNevin G., Kathiresan M., Conrad J., Spring O. & Ro D.-K. (2010): Biochemical Conservation and Evolution of Germacrene A Oxidase in Asteraceae. *J. Biol. Chem.* 285 (22), 16588-16598
- Oliva R., Win J., Raffaele S., Boutemy L., Bozkurt T.O., Chaparro-Garcia A., Segretin M.E., Stam R., Schornack S., Cano L.M., van Damme M., Huitema E., Thines M., Banfield M.J. & Kamoun S. (2010): Recent developments in effector biology of filamentous plant pathogens. *Cellular Microbiology* 12 (7), 1015-1015
- Pfiz M. & Küppers M. (2010): Dense crowns of the hemiparasitic mistletoe *Viscum album* L. exhibit shrub-like growth and high dry matter turnover. *Flora - Morphology, Distribution, Functional Ecology of Plants* 205 (11), 787-796. Online: doi:10.1016/j.flora.2010.04.016
- Ploch S., Choi Y.-J., Rost C., Shin H.-D., Schilling E. & Thines M. (2010): Evolution of diversity in *Albugo* is driven by high host specificity and multiple speciation events on closely related Brassicaceae. *Molecular Phylogenetics and Evolution* 57 (2), 812-120. Online: doi:10.1016/j.ympev.2010.06.026
- Robert E.M.R., Schmitz N., Okello J.A., Boeren, I., Beeckman, H. & Koedam N (2010): Mangrove growth rings: fact or fiction? *Trees - Structure and Function* 25:49-58. Online: doi:10.1007/s00468-010-0487-9
- Schröder R., Rawlins M. A., McDonald K. C., Podest E., Zimmermann R. & Küppers M. (2010): Satellite microwave remote sensing of North Eurasian inundation dynamics: development of coarse-resolution products and comparison with high-resolution synthetic aperture radar data. *Environ. Res. Lett.* 5 (1), pp. 015003. Online: doi:10.1088/1748-9326/5/1/015003
- Smettan H. W. (2010): Floristisches aus dem Mangfallgebirge (Bayern). *Floristische Rundbriefe* 44: 121-160
- Stika H.-P. (2010): Früheisenzeitliche Met- und Biernachweise aus Süddeutschland. *Archäologische Informationen* 33/1, 113-121
- Thines M., Runge F., Telle S. & Voglmayr H. (2010): Phylogenetic investigations in the downy mildew genus *Bremia* reveal several distinct lineages and a species with a presumably exceptional wide host range. *European Journal of Plant Pathology* 128, 81-89
- Wacker L., Bonani G., Friedrich M., Hajdas I., Kromer B., Nemeč M., Ruff M., Suter M., Synal H.-A., Vockenhuber C., et al. (2010): Micadas: Routine and high-precision radiocarbon dating. *Radiocarbon*, 52(2): 252-262 JIF 2,703
- Zach A., Horna V., Leuschner C., Zimmermann R. (2010): Patterns of wood carbon dioxide efflux across a 2,000-m elevation transect in an Andean moist forest. *Oecologia* 162 (1), 127-137

Buchbeiträge / Wiss. Aufsätze 2010

- Dambeck R., Thiemeyer H., Herrmann N., Kalis A.J., Kunst M., Lord A., Rittweger H., Stika H.-P. & Stobbe A. (2010): Holozäne Talentwicklung und Landschaftswandel am Rio Sizandro. *Geoarchäologische Beiträge zum Projekt „Sizandro - Alcabrichel“ (Torres Vedras, Portugal)*. *Madrider Mitteilungen* 51, Mainz, 9-41.
- Engel M., unter Mitarbeit von M. Knipping (2010): Geoarchäologie. In: Kiderlen M. & Themelis P.G. (Hrsg.): *Das Poseidonheiligtum bei Akovitika in Messenien*. Reichert Verlag, Wiesbaden, 37-57
- Frenzel B. (2010): Quaternary Palaeoecology of East and Southeast Asia and of the Pacific Ocean. *Progress in Botany* 71, 401-413. Online: doi:10.1007/978-3-642-02167-1_15
- Friedrich M., Kromer B., Reichle D., Remmele S. & Peresani M. (2010): Late Glacial tree-ring chronologies from Palughetto. In: M. Peresani & C. Ravazzi (Eds): *Le Foreste dei Cacciatori paleolitici*. *Bollettino della Società Naturalisti Silvia Zenari*. Publ.: Società Naturalisti Silvia Zenari, Pordenone, Italy, pp. 97-119.
- Oesker M., Homeier J., Dalitz, H. & Bruijnzeel L.A. (2010): Spatial heterogeneity of canopy throughfall quantity and quality in tropical mountain forests in southern Ecuador. In: Bruijnzeel L.A., Scatena F.N. & Hamilton L.S. (eds.):

Tropical Montane Cloud Forests. International Hydrology Series, ISBN 9780521760355, Cambridge University Press, Cambridge, 393-401.

- Pfiz M., Loris K., Erb E., Wirth V. & Küppers M. (2010): Changing patterns of lichen growth form distributions within the lichen fields of the Central Namib Biodiversity in southern Africa vol. 2: Patterns and processes at regional scale (eds. U. Schmiedel & N. Jürgens). Klaus Hess Publishers, Göttingen & Windhoek, 107-111
- Smettan H. W. (2010): Neue Fundorte – Bestätigungen – Verluste (Nr. 809-900), zusammengestellt von Thomas Breunig. » Nr. 739-753: *Alchemilla mollis*, *Campanula portenschlagiana*, *Chamaecyparis lawsoniana*, *Cotoneaster horizontalis*, *Galium elongatum*, *Glyceria striata*, *Hedera colchicam* *Hottonia palustris*, *Inula helenium*, *Muscari armeniacum*, *Petrorhagia saxifraga*, *Sagittaria latifolia*, *Solanum nigrum* subsp. *schultesii*, *Stratiotes aloides*, *Typha laxmannii*. Ber. der Botanischen Arbeitsgemeinschaft Südwestdeutschland 6, 106-107
- Spring O. & Thines M. (2010): Molecular Techniques for Classification and Diagnosis of Plant Pathogenic Oomycetes. In: Gherbawy Y. & Voigt K. (eds.): Molecular Identification of Fungi. Springer, Berlin, ISBN 978-3-64-205041-1, 35-50
- Stika H.-P. (2010): Früheisenzeitliche Met- und Biernachweise aus Süddeutschland. Archäologische Informationen 33 (1), 113-121
- Stika H.-P. (2010): In memoriam Maria Hopf (1914-2008). Madrider Mitteilungen 51, Mainz, 555-558.
- Stika H.-P. (2010): Subsistence Strategies, archaeobotanical case study, Southern Scandinavia, Sicily, and Hungary. In: T. Earle & K. Kristiansen (eds) Organizing Bronze Age Societies. Cambridge University Press, Cambridge, ISBN-13: 9780521748353. Chapter 6, Subsistence Strategies (by M. Vretemark), contributions, 155-184.
- Stika H.-P. (2010): Technology and Craft. In: Earle T. & Kristiansen K. (eds) Organizing Bronze Age Societies. Cambridge University Press, Cambridge, ISBN-13: 9780521748353. Chapter 7, Technology and Craft (by J. Sofaer), contributions, 185-217.
- Wirth V., Müller J., Pfiz M., Loris K. & Küppers, M. (2010): Lichen distribution along an ocean-inland transect in the fog zone of the Central Namib. Biodiversity in southern Africa vol. 2: Patterns and processes at regional scale (eds. U. Schmiedel & N. Jürgens). Klaus Hess Publishers, Göttingen & Windhoek, 112-117
- Zach, B., Knipping, M. & Pütz, A. (2010): Hallstattzeitliche Pflanzenreste aus einem Brunnen bei Aschheim. Bericht der Bayerischen Bodendenkmalpflege 51, 59-66

Sammelwerke / Monographien / Lehrbücher 2010

- Dinter I. (Hrsg.) (2010): Marokko. Exkursionsbericht. Pharmakobotanische Exkursion nach Marokko 23.04.-09.05.2010. ISBN: 978-3-00-033048-3, 113 S.
- Dinter I. & Zimmermann R. (Hrsg.) (2010): Peru - Botanische Exkursion 2008. Institut für Botanik und Botanischer Garten, Universität Hohenheim, ISBN: 978-3-00-030269-2, 94 S.

Tagungsbeiträge / Abstracts 2010

- Abou Rajab Y., Zimmermann R., Remmele S., Vásquez P. & Haas K. (2010): Grazing pressure driven forest composition, stand structure and regeneration in the equatorial dry forests of Northern Peru. Forstwiss. Tagung der Universität Göttingen "Forstwissenschaften: Grundlagen nachhaltiger Forstbewirtschaftung", 22.-24. Sept. 2010, Göttingen (Poster)
- Abou Rajab Y., Zimmermann R., Remmele S., Vásquez P., De La Peña Lavander R, Weidner S., Marquart A., Küppers M. & Haas K. (2010): Natural regeneration, stand structure and tree growth in the equatorial dry forest of El Angolo, N-Peru. 13th AKOE Meeting "Plant performance in demanding environments - from genes to biotic interactions", GfÖ, March 21-24, 2010, Kiel (Poster)
- Berzsenyi B., Stika H.-P. & Jones M.K. (2010): Agriculture, Crop Processing and Social Relations in Middle Bronze Age Hungary. In: Terra Nostra, Schriften der GeoUnion Alfred-Wegener-Stiftung, 2010/2, 15th Conference of the

International Work Group for Palaeoethnobotany, Wilhelmshaven, May 31 - June 5, 2010, Programme and Abstracts, 21

- Breckle S.-W., Veste M., Littmann T. & Yair A. (2010): Arid sand dunes of Nizzana, their biological soil crusts linking pattern and ecosystem processes – an interdisciplinary approach. WS on "Biological Soil Crusts in Ecosystems – their Diversity, Ecology, and Management", 22-25 Aug 2010, Zellingen-Retzbach, Germany, Book of Abstracts, p. 49-50.
- Bucher S.F., Ghorbani A., Langenberger G. & Sauerborn J. (2010) Sustainable use of wild medicinal plants and application of the "Fair Wild Standard": a case study in Naban River Watershed National Nature Reserve, Yunnan, China. 11th Congress of the Int. Society of Ethnopharmacology, 20-25 September 2010, Albacete, Spain
- Colliander A., McDonald K., Zimmermann R., Linke T., Schroeder R., Kimball J.S., Njoku E.G. (2010: Quikscat backscatter sensitivity to landscape freeze/thaw state over ALECTRA sites in Alaska from 2000 to 2007: Application to SMAP validation planning. Int. Geoscience and Remote Sensing Symposium (IGARSS) 2010: 1269-1272
- Dinter I & Haas K. (2010): Epicuticular wax and fog - Water economy of *Arthroerua leubnitziae* in the Namib Desert. 13th AKOE Meeting "Plant performance in demanding environments - from genes to biotic interactions", GfÖ, March 21-24, 2010, Kiel (Poster)
- Döbele T., Zimmermann R. & Aas G. (2010): Influence of atmospheric conditions on radial growth of *Sequoiadendron giganteum* and *Picea abies*. 3. Workshop des Bayreuther Zentrums für Ökologie und Umweltforschung BayCEER, 15. April 2010, Bayreuth (Poster)
- Fischer T. & Veste M. (2010): Biological soil crusts on inland dunes in NE Germany: Can we link succession with hydrology? WS on "Biological Soil Crusts in Ecosystems – their Diversity, Ecology, and Management", 22-25 Aug 2010, Zellingen-Retzbach, Germany, Book of Abstracts, p. 52.
- Ikezawa N., Nguyen D.T., Göpfert J.C. & Ro D.-K. (2010): Biochemical characterization of the enzyme catalyzing the first step into sesquiterpene lactone. Banff Conference on Plant Metabolism, Banff, Canada, 24-28 June 2010
- Kaiser K.F., Friedrich M., Kromer B. & Miramont C. (2010): Lateglacial tree-ring signals of Southwestern and Central European pines - prospects and limitations, INQUA 2010, Bern, Switzerland.
- Knipping M. (2010): Eem oder nicht Eem? Ein Pollenprofil von Ludwigshafen-Maudach (Frankenthaler Terrasse). 20. Jahrestreffen AK Vegetationsgeschichte der RTG, Albert-Ludwigs-Universität Freiburg, 1.-4. Okt. 2010, Vorträge und Poster, S. 20
- Küppers M., Beck E., Küppers B.I.L., Zimmermann R., Horna V. & Roos K. (2010): Photosynthetic Capacities and Leaf Conductances of Planted Tree Saplings and Competing Weeds in a Tropical Montane Pasture Confirm the General Decline from Pioneers to Late Successional Species - Studies with Special Emphasis on Bracken. 13th AKOE Meeting "Plant performance in demanding environments - from genes to biotic interactions", GfÖ, March 21-24, 2010, Kiel (Poster)
- Küppers M., Schmitt D., Ohlemacher C., Motzer T., Zimmermann R., Küppers B.I.L., Horna V. & Mette T. (2010): Stand Transpiration of Different Forest Types within the Tropical Montane Rainforest of Southern Ecuador. 13th AKOE Meeting "Plant performance in demanding environments - from genes to biotic interactions", GfÖ, March 21-24, 2010, Kiel (Poster)
- Musila W., Oesker M., Gliniars R., Todt H. & Dalitz H. (2010): O-4 increasing resilience to climate change of a kenyan biodiversity hotspot through forest restoration. 18th Commonwealth Forestry Conference, Edinburgh on "Restoring the Commonwealth's Forests: Tackling Climate Change", 28 June - 2 July 2010.
- Ndambi B., Heller A., Elzein A. & Cadisch G. (2010): Infection of the parasitic weed *Striga hermonthica* by *Fusarium oxysporum* f.sp. strigae: an anatomical study. Tagung der DPG-Arbeitskreise Mykologie und Wirt-Parasit-Beziehungen, 25./26.03.2010, Konstanz
- Nguyen D.T., Goepfert J.C., Ikezawa N., Spring O. & Ro D.-K. (2010): Biochemical conservation and evolution of germacrene A oxidase in the Asteraceae (Compositae) family. Banff Conference on Plant Metabolism, Banff, Canada, 24-28 June 2010

- Niedermann A., Zimmermann R., Remmele S. & Haas K. (2010): Tree growth dynamics of *Polylepis* forests during the dry season along a humidity gradient in the Peruvian Andes. 13th AKOE Meeting "Plant performance in demanding environments - from genes to biotic interactions", GfÖ, March 21-24, 2010, Kiel (Poster)
- Pinto N., McDonald K., Podest E., Schröder R., Zimmermann R., Horna V. (2010): Mapping Upper Amazon Palm Swamps with Spaceborne L-band Synthetic Aperture Radar. AGU Fall Meeting, San Francisco CA; 13-17 Dec 2010, Abstract OS31B-1415
- Podest E., Schroeder R., McDonald K., Pinto N., Willacy K., Whitcomb J., Moghaddam M., Hess L., Zimmermann R. (2010): Cross-Product Comparison of Multiple Resolution Microwave Remote Sensing Data Sets Supporting Global Mapping of Inundated Wetlands. AGU Fall Meeting, San Francisco CA; 13-17 Dec 2010, Abstract B13A-0460
- Riemann D., Glaser R., Friedrich M. & Engelen A.v. (2010): Analysis of medium-term temperature changes in Europe for the last millennium, EGU General Assembly. Geophysical Research Abstracts, Vienna.
- Riemann D., Glaser R., Friedrich M. and Engelen A.v. (2010): Proxycracy! A democratic multi-proxy approach. 1000 years multi-proxy temperature reconstruction for Central Europe based on historical sources and tree rings, EGU, Vienna.
- Schröder R., McDonald K., Podest E., Willacy K., Jones L. A., Kimball J. S., Zimmermann R. (2010): Development and Evaluation of Global Wetlands Mappings from Coarse-Resolution Satellite Microwave Remote Sensing. . AGU Fall Meeting, San Francisco CA; 13-17 Dec 2010, Abstract H23F-1288
- Sökücü A., Erkan N., Zimmermann R., Sahin M. & Haas K. (2010): Stem Growth and Water Use Dynamics of *Cedrus libani* during Summer in the Taurus Mountains, SW-Turkey. 13th AKOE Meeting "Plant performance in demanding environments - from genes to biotic interactions", GfÖ, March 21-24, 2010, Kiel (Poster)
- Sökücü A., Zimmermann R., Aas G., Remmele S., Erkan N., Sahin M. & Haas K. (2010): Comparison of Stem Growth and Water Use of adult *Cedrus libani* trees at the Taurus Mountains, SW-Turkey and near Bayreuth, Northern Bavaria, Germany. Forstwiss. Tagung der Universität Göttingen "Forstwissenschaften: Grundlagen Nachhaltiger Forstbewirtschaftung", 22.-24. Sept. 2010, Göttingen (Poster)
- Spröte R., Fischer T., Veste M., Wiehe W., Lange P. & Hüttl R.F. (2010): Development of top soil on quaternary inland dunes – How important are microorganisms?. 35. Hauptversammlung der DEUQUA, 12th Ann. Conf. of the INQUA PeriBaltic Working Group, 13-17 Sept 2010., Greifswald, Book of Abstracts, pp. 163-164.
- Spröte R., Fischer T., Veste M., Yair A., Wiehe W., Lange P., Bens O., Raab T & Hüttl R.F. (2010): How do biological soil crusts influence hydrological processes in initial ecosystems?. 1st Int. Conf. on "Structures and Processes of the Initial Ecosystem Development", 20-24 Sept 2010, Cottbus, Germany, Book of Abstracts, p. 115-116.
- Stika H.-P., Jahns S., Kennecke H., Knipping M., Boust H. & Christiansen J. (2010): Botanical Macroremains from Slav Settlements on the River Elbe Floodplains in Comparison to On-Site and Off-Site Pollen Data. In: Terra Nostra, Schriften der GeoUnion Alfred-Wegener-Stiftung, 2010/2, 15th Conference of the International Work Group for Palaeoethnobotany, Wilhelmshaven, May 31-June 5, 2010, Programme and Abstracts, 87
- Sudhaus D. & H.-P. Stika (2010): Spätholozäne Vegetationsentwicklung in Brandenburg. Th. Ludemann, Tagungsführer, 20. Jahrestreffen Arbeitskreis Vegetationsgeschichte, Reinhold-Tüxen-Gesellschaft, 1.-4. Okt. 2010, Freiburg i.Br., Albert-Ludwig-Universität Freiburg, p. 39
- Yair A., Almog R. & Veste M. (2010): Differential hydrological response of biological topsoil crusts along a rainfall gradient in a sandy arid area: northern Negev desert, Israel. Workshop on "Biological Soil Crusts in Ecosystems – their Diversity, Ecology, and Management", 22-25 Aug 2010, Zellingen-Retzbach, Germany, Book of Abstracts, p. 51
- Zimmermann R., Aas G., Remmele S., Land A., Kreye A., Döbele T., Küppers M., Lauerer M. & Horna V. (2010): Stem Growth and Vessel Anomalies in *Quercus robur* and *Quercus petraea* in Response to Seasonal Soil Flooding. 13th AKOE Meeting "Plant performance in demanding environments - from genes to biotic interactions", GfÖ, March 21-24, 2010, Kiel (Poster)
- Zimmermann R., Horna V., Remmele S., Niedermann A., Vasquez P., Urbiola J. & Aas G. (2010): Klimatische und ökophysiologische Diversität verholzter Arten am Marañon Andino in Peru. Lateinamerika Symposium,

Interdisziplinäres Lateinamerikazentrum der Universität Bonn und Museum König, 17.-18. Dez. 2010, Bonn
(Poster)

2009

Zeitschriften-Aufsätze begutachtet 2009

- Boettger T. & Friedrich M. (2009): A new serial pooling method of shifted tree ring blocks to construct millennia long tree ring isotope chronologies with annual resolution. *Isotopes in Environmental and Health Studies* 45(1), 68-80
- Carla R., Walker L.R., Shiels A.B., Rainer B., Lieven C., Simey F., Pablo L., Girish N., Leonardo P., Germán P., Carlos R.-S., Michael R. & Eduardo V. (2009): Landsliding and its multiscale influence on mountainscapes. *BioScience* 59(8), 685-698
- Choi Y.-J., Shin H.-D. & Thines M. (2009): The host range of *Albugo candida* extends from Brassicaceae through Cleomaceae to Capparaceae. *Mycological Progress* 8(4), 329-335
- Choi, Y.-J., Shin H.-D. & Thines M. (2009): Two novel *Peronospora* species are associated with recent reports of downy mildew on sages. *Mycological Research* 113(12), 1340-1350
- Dinter I. (2009): *Comperia comperiana* (Steven) Asch. & Graebn., Erstnachweis für Samos, Ostägäische Inseln (Griechenland). *Journal Europäischer Orchideen* 41: 481-496
- Dinter I. (2009): *Galium graecum* subsp. *pseudocanum* Ehrend. + AE. In: Greuter W. & Raus Th. (eds.): *Med-Checklist Notulae*, 28. *Willdenowia* 39: 339-340
- Dinter I. (2009): *Paracaryum lithospermifolium* subsp. *cariense* (Boiss.) R.R. Mill or *Cynoglossum lithospermum* subsp. *cariense* (Boiss.) Greuter & Burdet. + AE. In: Greuter W. & Raus Th. (eds.): *Med-Checklist Notulae*, 28. *Willdenowia* 39: 336
- Engel M., Knipping M., Brückner H., Kiderlen M. & Kraft J.C. (2009): Reconstructing middle to late Holocene palaeogeographies of the lower Messenian plain (southwestern Peloponnese, Greece): Coastline migration, vegetation history and sea level change. *Palaeogeography, Palaeoclimatology, Palaeoecology* 284 (3-4), 257-270
- Fujiyoshi R., Satake Y., Sato T., Sumiyoshi T., Dietz J. & Zimmermann R. (2009): Natural and anthropogenic consequences of tropical forest soils in Northern Peru using environmental radionuclides as radiotracers. *Journal of Radioanalytical and Nuclear Chemistry* 279 (2), 509-518
- Göpfert J.C., Bülow A.-K., Spring O. (2009): Identification and Functional Characterization of a new Sunflower Germacrene A Synthase (HaGAS3). *Natural Product Communications* 4 (in print) 8p.
- Göpfert J.C., MacNevin G., Ro D.-K. & Spring O. (2009): Identification, functional characterization and developmental regulation of sesquiterpene synthases from sunflower capitata glandular trichomes. *BMC Plant Biology* 9: 86. Online: doi:10.1186/1471-2229-9-86
- Haas B.J., Kamoun S., Zody M.C., Jiang R.H.Y., Handsaker R.E., Cano L.M., Grabherr M., .., Kodira C.D., ... , Thines M., ... & Nusbaum, C. (2009): Genome sequence and analysis of the Irish potato famine pathogen *Phytophthora infestans*. *Nature* 461(7262), 393-398
- Heller A. & Thines M. (2009): Evidence for the importance of enzymatic digestion of epidermal walls during subepidermal sporulation and pustule opening in white blister rusts (Albuginaceae). *Mycological Research* 113(6-7), 657-667
- Hua Q., Barbetti M., Fink D., Kaiser K.F., Friedrich, M., Kromer B., Levchenko V.A., Zoppi U., Smith A.M. & Bertuch F. (2009): Atmospheric ¹⁴C variations derived from tree rings during the early Younger Dryas. *Quaternary Science Reviews* 28 (25-26), 2982-2990
- Kononov Yu M., Friedrich M. & Boettger T. (2009): Regional Summer Temperature Reconstruction in the Khibiny Low Mountains (Kola Peninsula, NW Russia) by Means of Tree-ring Width during the Last Four Centuries. *Arctic*,

Antarctic, and Alpine Research 41(4):460-468

Online: doi: 10.1657/1938-4246-41.4.460

- Küppers M. & Pfiz M. (2009): Role of Photosynthetic Induction for Daily and Seasonal Carbon Balances of Leaves and Plant Canopies. In: Laisk A., Nedbal L., Govindjee (eds.): Photosynthesis in silico: Understanding complexity from molecules to ecosystems. Advances in Photosynthesis and Respiration Vol 29, Chapter 18, Springer, 417-440
- Kuneš P., Abraham V., Kovářík O., Kopecký M., Břízová E., Dudová L., Jankovská V., Knipping M., Kozšková R., Nováková K., Petr L., Pokorný P., Roszková A., Rybníčková E., Svobodová-Svitavská H. & Wacnik A. (2009): Czech quaternary palynological Database - Palycz: review and basic statistics of the data. Preslia 81 (3), 209-238
- Meyer M.C., Cliff R.A., Spötl C., Knipping M. & Mangine A. (2009): Speleothems from the earliest Quaternary: Snapshots of paleoclimate and landscape evolution at the northern rim of the Alps. Quaternary Science Reviews 28, 1374-1391. Online: doi:10.1016/j.quascirev.2009.01.010
- Restrepo C., Walker L.R., Shiels A.B., Bussmann R., Claessens L., Fisch S., Lozano P., Negi G., Paolini L., Poveda G., Ramos-Scharrón C., Richter M. & Velázquez E. (2009): Landsliding and its multiscale influence on mountainscapes. BioScience 59 (8), Pages 685-698
- Runge F. & Thines M. (2009) A potential perennial host for *Pseudoperonospora cubensis* in temperate regions. European Journal of Plant Pathology 123(4), 483-486
- Schorneck S., Huitema E., Cano L.M., Bozkurt T.O., Oliva R., Van Damme M., Schwizer S., Raffaele S., Chaparro-Garcia A., Farrer R., Segretin M.E., Bos J., Haas B., Zody M., Nusbaum C., Win J., Thines M. & Kamoun S. (2009): Ten things to know about oomycete effectors. Molecular Plant Pathology 10(6), 795-803(9)
- Seltmann P., Hensen I., Renison D., Wesche K., Ploch S., Dueñas J.R., Cocucci A. & Jung K. (2009): Biparental inbreeding depression, genetic relatedness and progeny vigour in a wind-pollinated treeline species in Argentina. Plant Ecology 205(1), 155-164
- Spring O. (2009): Transition of secondary to systemic infection of sunflower with *Plasmopara halstedii* - An underestimated factor in the epidemiology of the pathogen. Fungal Ecology 2(2), 75-80
- Thines M. (2009): Bridging the Gulf: Phytophthora and downy mildews are connected by rare grass parasites. PLoS One 4(3), e4790
- Thines M., Choi Y.-J., Kemen E., Ploch S., Holub E.B., Shin H.D. & Jones, J.D.G. (2009): A new species of Albugo parasitic to Arabidopsis thaliana reveals new evolutionary patterns in white blister rusts (Albuginaceae). Persoonia - Molecular Phylogeny and Evolution of Fungi 22, 123-128
- Thines M., Telle S., Ploch S. & Runge, F. (2009): Identity of the downy mildew pathogens of basil, coleus, and sage with implications for quarantine measures. Mycological Research 113(5), 532-540
- Zach A., Horna V., Leuschner C., Zimmermann R. (2009): Patterns of wood carbon dioxide efflux across a 2,000-m elevation transect in an Andean moist forest. Oecologia 162 (1), 127-137
- Zipper R., Hammer T. R., Spring O. (2009) PCR-based monitoring of recent isolates of tobacco blue mold from Europe reveals the presence of two genetically distinct phenotypes differing in fungicide sensitivity. European Journal of Plant Pathology 123, 367-375

Buchbeiträge / Wiss. Aufsätze 2009

- Frenzel B. (2009): Quaternary Palaeoecology: Major Palaeoecological Problems of Europe. Progress in Botany 70: 241-255. Online: doi:10.1007/978-3-540-68421-3
- Lauerer M., Zimmermann R., Kirchner L., Woodring J. & Arneith G. (2009): *Lobelia rhynchoptalum* und das Gewächshaus für tropische Hochgebirgspflanzen im Ökologisch-Botanischen Garten Bayreuth. Der Palmengarten 73/2, 104-111
- Loris K., Pfiz M., Erb E., Wirth V. & Küppers M. (2009): Lichen vegetation in the Central Namib as influenced by geomorphological and edaphic conditions, climate and wind erosion. Bibliotheca Lichenologica 100 (Diversity of Lichenology - Anniversary Volume, eds. A. Thell, M. R. D. Seaward, T. Feuerer), 369-387

- Kreuz A. & Stika H.-P. (2009): II.2 Bericht zur archäobotanischen Untersuchung der pflanzlichen Großreste der Fundstelle AK15 Groß-Gerau, "Auf Esch". In: C. Wenzel, Groß-Gerau I, Der römische Vicus von Groß-Gerau, "Auf Esch". Verlag Habelt, Frankfurter Archäologische Schriften 9, 311-330, Abb. 241-243 im Abbildungsanhang.
- Schatz K. & Stika H.-P. (2009): Naturräumliche Voraussetzungen. In: K. Schatz & H.-P. Stika (2009), Hochdorf VII, Archäobiologische Untersuchungen zur frühen Eisenzeit im mittleren Neckarraum. Forschungen und Berichte zur Vor- und Frühgeschichte in Baden-Württemberg 107, Theiss, Stuttgart, 13-16.
- Stika H.-P. (2009): Landwirtschaft der späten Hallstatt- und frühen Laténezeit im mittleren Neckarland – Ergebnisse von pflanzlichen Großrestbestimmungen. In: K. Schatz & H.-P. Stika (2009), Hochdorf VII, Archäobiologische Untersuchungen zur frühen Eisenzeit im mittleren Neckarraum. Forschungen und Berichte zur Vor- und Frühgeschichte in Baden-Württemberg 107, Theiss Verlag, Stuttgart, 125-339, Beilage 1.

Sammelwerke / Monographien / Lehrbücher 2009

- Schatz K. & Stika H.-P. (2009): Hochdorf VII: Naturwissenschaftliche Untersuchungen zur frühen Eisenzeit im mittleren Neckarraum. Forschungen und Berichte zur Vor- und Frühgeschichte in Baden-Württemberg Bd. 107, Hrsg. v. Landesdenkmalamt Baden-Württemberg, Archäologische Denkmalpflege, Theiss, ISBN: 978-3-8062-2260-9, 339 S.

Tagungsbeiträge / Abstracts 2009

- Becker S., D. Braun, R. Gliniars, W. Musila, M. Oesker, H. Todt & H. Dalitz (2009) Wood density variation in secondary tropical rainforests. Int. Conference on "Impact of Global Changes on Tropical Ecosystems - cross-cutting the Abiotic, Biotic and Human Spheres", Association for Tropical Biology and Conservation & Society for Tropical Ecology, 27-30 July 2009, Marburg, Germany, p. 106 (poster)
- Göpfert J.C., Ro D.-K. & Spring O. (2009): Identification, functional characterization and developmental regulation of sesquiterpene synthases from sunflower capitulate glandular trichomes. Terpnet 2009, Tokio, Japan, Mai 2009
- Hammer T.R. & Spring O. (2009): Nuclear behaviour during the asexual life cycle of *Plasmopara*. 4. Rhein-Wein-Symposium, Karlsruhe, Februar 2009
- Ndambi B.E., Elzein A., Heller A. & Cadisch G. (2009): Colonisation of *Striga hermonthica* and its host sorghum by the mycoherbicide *Fusarium oxysporum* f.sp. *strigae* and its implication for *Striga* control. 10th World Congress on Parasitic plants (IPPS), Kusadasi, Turkey, 8-12 June 2009 (Oral presentation)
- Ndambi B.E., Elzein A., Heller A. & Cadisch G. (2009): *Fusarium oxysporum* f.sp. *strigae*: Pathogenic to the parasite *Striga* and Non-pathogenic to its host sorghum? Tagung der DPG-Arbeitskreise Mykologie und Wirt-Parasit-Beziehungen (Deutsche Phytomedizin. Gesellschaft), 26-27 March 2009, Kaiserslautern (Oral presentation)
- Ndambi B.E., Cadisch G., Elzein A. & Heller A. (2009): Interactions between the Mycoherbicide *Fusarium oxysporum* F. sp. *strigae* and Sorghum Roots. In: Thielkes E. (ed.): Biophysical and Socio-economic Fame Conditons for the Sustainable Management of natural Resources. Dt. Tropentag Oct 2009, Hamburg, Book of Abstracts, 180 (Oral presentation)
- McDonald K., Podest E., Ganem D. & Zimmermann R. (2009): Relationships between microclimate, vegetation and soil temperatures, and initiation of xylem sap flux during seasonal thaw transitions in a boreal forest and their characterization with radar remote sensing. 2009 IEEE International Geoscience & Remote Sensing Symposium, Cape Town, Africa, 12-17 July 2009
- Oesker M., R. Gliniars, H. Todt, W. Musila & H. Dalitz (2009): Tree seedling regeneration in East-Africa affected by spatial distribution of abiotic factors: Three different experimental approaches. Int. Conference on "Impact of Global Changes on Tropical Ecosystems - cross-cutting the Abiotic, Biotic and Human Spheres", Association for Tropical Biology and Conservation & Society for Tropical Ecology, 27-30 July 2009, Marburg, Germany, p. 418 (oral presentation)
- Ploch S. & Thines M. (2009): Climatic conditions have a major impact on the composition and occurrence of endophytic pathogens in *Tragopogon pratensis*. GfÖ-Tagung, Bayreuth, September 2009

- Ro D.-K., Nguyen D., Göpfert J.C. & Ikezawa, N. (2009): Characterization of a key P450 enzyme at the entry point of sesquiterpene lactone biosynthesis in Asteraceae. Terpnet 2009, Tokio, Japan, Mai 2009
- Runge F. & Thines M. (2009): The potential host range of the sister species *Pseudoperonospora cubensis* and *Pseudoperonospora humuli* is extending across host orders. The 8th Oomycete Molecular Genetics Network Meeting, Asilomar, USA, März 2009
- Schoenbein J., Land A., Glaser R., Friedrich M., Riemann D. & Küppers M. (2009): Linkage between instrumental, documentary and dendrochronological data in the last millennium for long-time climate and flood dynamic reconstructions. EGU General Assembly 2009, Geophysical Research Abstracts vol. 11, EGU2009-10970-1
- Schröder R., McDonald K., Rawlins M. A., Podest E., Whitcomb J. B., Mogahddam M., Zimmermann R. (2009): Coarse-Resolution Daily Inundation Dynamics over the Alaska-Yukon Region: Comparison with High-Resolution Inundation Products and Influences from Atmospheric Drivers. AGU Fall Meeting San Francisco, CA, 14-18 Dec 2009, Abstract B41A-0286
- Spring O. (2009) Metabolomic studies on glandular trichomes, the biofactories of Asteracean sesquiterpenoids. 2nd Brazilian Conference on Natural Products, Nov. 9-12 2009, São Pedro, SP Brazil
- Stobbe A., Kalis A. J., Stika H.-P. & Rittweger H. (2009): Holocene floodplain evolution of the Sizandro valley (Portugal) - Part 2: Vegetation. 74th Annual Meeting of the Society for American Archaeology, Atlanta, GA, April 24-26, 2009
- Thines M. (2009): Host jumps and adaptive evolution in downy mildews and white blister rusts. Botanikertagung, Leipzig, September 2009
- Todt H., H. Dalitz, R. Gliniars, M. Oesker & W. Musila (2009): Temporal stability analysis of throughfall in tropical montane forests. Int. Conference on "Impact of Global Changes on Tropical Ecosystems - cross-cutting the Abiotic, Biotic and Human Spheres", Association for Tropical Biology and Conservation & Society for Tropical Ecology, July 27-30 2009, Marburg, Germany, p. 547 (poster)

2008

Zeitschriften-Aufsätze begutachtet 2008

- Brune T., Thiv M., Haas K.(2008) Equisetum (Equisetaceae) species or hybrids? ISSR fingerprinting profiles help improve diagnoses based on morphology and anatomy. *Plant Systematics and Evolution* 274 (1-2), 67-81
- Choi Y.-J., Shin H.-D., Ploch S., Thines M. (2008) Evidence for uncharted biodiversity in the *Albugo candida* complex, with the description of a new species. *Mycological Research* 112(11), 1327-1334
- Elzein A., Brändle F., Cadisch G., Kroschel J., Marley P. & Thines M. (2008): *Fusarium oxysporum* strains as potential *Striga* mycoherbicides: molecular characterization and evidence for a new forma specialis. *The Open Mycology Journal* 2, S. 89-93
- Frenzel B. (2008): Quaternary Palaeoecology: Africa and its Surroundings. *Progress in Botany* 69, Springer, Berlin, Heidelberg, 313-332
- Heller-Dohmen M., Göpfert J. C., Hammerschmidt R., Spring O. (2008) Different pathotypes of the sunflower downy mildew pathogen *Plasmopara halstedii* all contain isometric virions. *Molecular Plant Pathology* 9(6), 777-786
- Kaiser K., Miehe G., Barthelmes A., Ehrmann O., Scharf A., Schult M., Schlütz F., Adamczyk S., Frenzel B. (2008) Turf-bearing topsoils on the central Tibetan Plateau, China: Pedology, Botany, Geochronology. *Catena*, 73(3), 300-311
- Kempton H. & Frenzel B. (2008): Titanium in ombrotrophic Sphagnum mosses from various peat bogs of Germany and Belgium. *Sci Total Environ.* 392(2-3), 324-334
- Knipping M. (2008): Early and Middle Pleistocene pollen assemblages of deep core drillings in the northern Upper Rhine graben, Germany. *Netherlands Journal of Geosciences / Geologie en Mijnbouw* 87(1), 51-65
- Knipping M., Müllenhoff M., Brückner H. (2008) Human induced landscape changes around Bafa Gölü (western Turkey). *Vegetation History and Archaeobotany* 17(4), 365-380

- Koch O., Tschirko D., Küppers M., Kandeler E. (2008) Interannual Ecosystem CO₂ Dynamics in The Alpine Zone of The Eastern Alps, Austria. *Arctic, Antarctic, and Alpine Research* 40(3), 487-469
- Komjáti, H.; Bakonyi, J.; Spring, O.; Virányi, F. (2008) Isozyme analysis of *Plasmopara halstedii* using cellulose-acetate gel electrophoresis. *Plant Pathology* 57(1), 57-63
- Küppers M., Motzer T., Schmitt D., Ohlemacher C., Zimmermann R., Horna V., Küppers B.I.L. & Mette T. (2008): Stand structure, transpiration responses in trees and vines and stand transpiration of different forest types within the mountain rainforest. In: Beck E., Bendix J., Kottke, I., Makeschin F. & Mosandl R. (eds.) *Gradients in a Tropical Mountain Ecosystem of Ecuador*. *Ecological Studies* 198, 243-258
- Lozano, P., Bussmann, R.W., Küppers M. & Lozano, D. (2008) Deslizamientos naturales y comunidades pionera de ecosistemas montanos al occidente del Parque Nacional Podocarpus (Ecuador). *Natural landslides and pioneer communities in the Mountain Ecosystems of Eastern Podocarpus National Park*. *Caldasia (Bogotá)* 30(1): 1-19 http://www.unal.edu.co/icn/publicaciones/caldasia/30_1/301.html
- Muscheler R., Kromer B., Björck S., Svensson A., Friedrich M., Kaiser K. F. & Southon J. (2008): Tree rings and ice cores reveal ¹⁴C calibration uncertainties during the Younger Dryas. *Nature Geoscience* 1(4), 263-267
- Stika H.-P., Heiss A.G. & Zach B. (2008): Plant remains from the early Iron Age in western Sicily: differences in subsistence strategies of Greek and Elymian sites. In: *Vegetation History and Archaeobotany* 17(1), 139-148
- Telle S. & Thines M. (2008): Amplification of *cox2* (~620 bp) from 2 mg of up to 129 years old herbarium specimens, comparing 19 extraction methods and 15 polymerases. *PLoS ONE* 3 (10): e3584
- Thines M., Göker M., Telle S., Ryley M., Mathur K., Narayana Y. D., Spring O., Thakur R. P. (2008) Phylogenetic relationships of gramminicolous downy mildews based on *cox2* sequence data. *Mycological Research* 112(3), 345-351
- Veste M. (2008): Landnutzung und Klimaänderungen in den Trockengebieten Südafrikas und ihre Folgen für die Biodiversität. *Avonia* 26(1), 18-25
- Veste M., Staudinger M. & Küppers M. (2008): Spatial and temporal variability of soil water in drylands: plant water potential as a diagnostic tool. *Forestry Studies in China (Beijing)* 10(2), 74-80

Buchbeiträge / Wiss. Aufsätze 2008

- Ben-Gal A., Yermiyahu U., Veste M. & Shani U. (2008): Irrigating table grapes in arid regions with low quality water: effects of salinity and excess boron. *Acta Horticulturae* 792: 107-114
- Brehm G., Fiedler K., Häuser C. L. & Dalitz H. (2008): Methodological challenges of a megadiverse ecosystem. In: *Gradients in a Tropical Mountain Ecosystem of Ecuador*. Springer, Berlin, Heidelberg, *Ecological Studies* 198: 41-73.
- Knipping, M. (2008): Pollenanalytische Untersuchungen an mittel- und altpleistozänen Sedimenten im nördlichen Oberrheingraben. *Abhandlungen der Geologischen Bundesanstalt (Wien)* 62, 109-112
- Küppers M., Motzer T., Schmitt D., Ohlemacher C., Zimmermann R., Horna V., Küppers B.I.L. & Mette T. (2008): Stand structure, transpiration responses in trees and vines and stand transpiration of different forest types within the mountain rainforest. In: *Gradients in a Tropical Mountain Ecosystem of Ecuador*. Springer, Berlin, Heidelberg, *Ecological Studies* 198, Springer, 243-258
- Lauerer M, Horna V, Zimmermann R, Vásquez P & Aas G (2008) Wald mit zwei Gesichtern: Pazifischer Trockenwald in Nordwest-Peru. *Der Palmengarten* 72/1: 38-46.
- Oesker M., Dalitz H., Günther., Homeier J. & Matezki S. (2008) Spatial heterogeneity patterns: a comparison between ravines and crests in the upper part of a evergreen lower montane forest. In: *Gradients in a Tropical Mountain Ecosystem of Ecuador*. Springer, Berlin, Heidelberg, *Ecological Studies* 198: 267-274
- Rösch M., E. Fischer, H. Müller, M. Sillmann & H.-P. Stika (2008): Botanische Untersuchungen zur eisenzeitlichen Landnutzung im südlichen Mitteleuropa. In: D. Krausse (Hrsg.): *Frühe Zentralisierungs- und Urbanisierungsprozesse. Forschungen und Berichte zur Vor- und Frühgeschichte in Baden-Württemberg* 101, Theiss, Stuttgart, 319-347

- Veste M. (2008): Landnutzung und Klimaänderungen in den Trockengebieten Südafrikas und ihre Folgen für die Biodiversität. *Avonia* 26(1), 18-25
- Veste M. (2008): Temporal and spatial variability of plant water status and leaf gas exchange. *Ecological Studies* 200, Springer, Berlin, Heidelberg, 367-375
- Veste M., Heusinkveld B.G., Berkowicz S.M., Breckle S.-W., Littmann T. & Jacobs A.F.G. (2008): Dew formation and activity of biological soil crusts. *Ecological Studies* 200, Springer, Berlin, Heidelberg, 305-318
- Veste M., Sartorius U. & Breckle S.-W. (2008): Ion relations of plants and soil patterns. *Ecological studies* 200, Springer, Berlin, Heidelberg, 353-365
- Veste M., Sommer C., Breckle S.-W. & Littmann T. (2008): Standing biomass and its modelling. *Ecological Studies* 200, Springer, Berlin, Heidelberg, 377-383
- Weidenfeller, M. & Knipping M. (2008): Correlation of Pleistocene sediments from boreholes in the Ludwigshafen area, western Heidelberg Basin. *Eiszeitalter und Gegenwart (Quaternary Science Journal)* 57(3-4), 270-285

Sammelwerke / Monographien / Lehrbücher 2008

- Erhardt W., Götz E., Bödeker N. & Seybold S. (2008): Der große Zander - Enzyklopädie der Pflanzennamen, Familien und Gattungen - in 2 Bänden. Ulmer Stuttgart, 2103 S.
Band 1: Familien und Gattungen, Band 2: Arten und Sorten.
- Dinter I. (2008): Untersuchungen zur Mikromorphologie und chemischen Zusammensetzung der Cuticularwachse bei den Gattungen *Calicorema*, *Arthraerua* und *Leucosphaera* (Amaranthaceae) in Namibia. Shaker, Aachen, ISBN 978-3-8322-7688-1, 170 S.
- Oesker M. (2008) Untersuchungen zur räumlichen Heterogenität von Kronenstruktur und Bestandesniederschlag in einem tropischen Bergregenwald. Dissertation at the University of Hohenheim, pp179. Online: <http://opus.ub.uni-hohenheim.de/volltexte/2009/342>

Tagungsbeiträge / Abstracts 2008

- Brändle F. & Schärer H.-J. (2008): Methodenvergleich: Grow-Out versus PCR, am Beispiel der Prüfung von Feldsalatsaatgut auf *Peronospora valerianellae*. 6. Deutsche Pflanzenschutztagung in Kiel, 22.-25. Sept. 2008
- Elzein A., Thines M., Brändle F. & Cadisch G. (2008): Molecular characterization of *Striga mycoherbicides 'Fusarium oxysporum'* strains!: evidence for a new forma specialis. Proc. of the XII Int. Symposium on Biological Control of Weeds, La Grande Motte, France, April 2007, p. 634
- Ganem D., McDonald K., Podest E., Chapman B. D., Zimmermann R. (2008): Characterizing Freeze-Thaw Transitions Using L-Band Interferometric SAR over a Boreal Forest in Alaska. AGU Fall Meeting, San Francisco CA, 15-19 Dec 2008, Abstract B43C-0451
- Gliniars R., Becker S., Musila W., Oesker M., Todt H. & Dalitz H. (2008): Tree growth monitoring, a way of detecting the response of trees to climate change, and an African Tree Growth Network (ATGN) as a vision for the future. Int. Congress on "Biodiversity of Africa - Observation and Sustainable Management for our Future!", 29 Sep - 3 Oct 2008, Pietersburg, SouthAfrica, p. 557 (poster)
- Göpfert J.C. & Spring O. (2008): Aspects of flavonoid and sesquiterpene synthesis in sunflower glandular trichomes. PSE Young Scientists' Meeting "Future Trends in Phytochemistry: Compounds - Enzymes - Genes", Bad Herrenalb, März 2008
- Göpfert J.C. & Spring O. (2008): Identification of initial steps of sesquiterpene and sesquiterpene lactone biosynthesis in sunflower glandular trichomes. RegioPlantScience Meeting, Tübingen, Oktober 2008
- Hammer T.R. & Spring O. (2008): Asexual interspecific recombination in Downy Mildews. RegioPlantScience Meeting, Tübingen, Oktober 2008

- Hammer T.R. & Spring O. (2008): Untersuchungen zur Sporangien-Entwicklung und zur Zellkernsituation während der Sporulation von *Plasmopara halstedii*. Jahrestagung der Deutschen Phytomed. Gesellschaft AK Mykologie, Bonn, März 2008
- Hammer T.R., Zipper R. & Spring O. (2008): PCR-basiertes Monitoring von europäischen Isolaten des Tabak-Blauschimmels, *Peronospora tabacina*. 56. Deutsche Pflanzenschutztagung, Kiel, September 2008
- Heller A & Thines M. (2008) Microsurgery instead of brute force - pustule opening in white blister rusts (Albuginaceae). Int. Tagung der Deutschen Gesellschaft für Mykologie, Kassel, 2.-9. Oktober 2008, 32
- Hirsch S., Friedrich M., Göpfert J.C., Anderle A.-M., Remmele S., Zipper R., Haas K. & Küppers, M. (2008): Influence of sample pre-treatment and sample preparation on Blue Intensity measurements of pine tree rings. In: Young G., McCarroll D. (eds.): European Climate of the Last Millennium. Millennium Milestone Meeting 2, Cala Millor, Mallorca, 13-15 March 2008.
- Knipping, M. (2008): Pollenanalytische Untersuchungen an Sintern der Höhlenruine Hunas. 50. Jahrestagung der Hugo-Obermaier-Gesellschaft, Erlangen 25.-29. März 2008, 17-18.
- Küppers B.I.L., Küppers M., Zimmermann R., Horna V. & Lauerer M. (2008): The Green Bark of Trees from a Drought Deciduous Forest (Bosque Seco) in Northern Peru/Southern Ecuador does not Perform CAM. In: Weiß M. M., Dalitz H., Pfiz M. & Zimmermann R. (eds.): Consequences of climate change on tropical Ecosystems. 21. Annual Meeting of the Society for Tropical Ecology, Hohenheim, 18-22 Feb 2008, Ulmer, Stuttgart, 124.
- Küppers M., Beck E., Küppers B.I.L., Zimmermann R., Horna V. & Roos K. (2008): Photosynthetic Capacities and Leaf Conductances of Planted Tree Saplings and Competing Weeds in a Tropical Montane Pasture Confirm the General Decline from Pioneers to Late Successional Species: Studies with Special Emphasis on Bracken. In: Weiß M. M., Dalitz H., Pfiz M. & Zimmermann R. (eds.): Consequences of climate change on tropical Ecosystems. 21. Annual Meeting of the Society for Tropical Ecology, Hohenheim, 18-22 Feb 2008, Ulmer, Stuttgart, 125.
- Küppers M., Schmitt D., Ohlemacher C., Motzer T., Zimmermann R. & Küppers B.I.L. (2008): Stand Transpiration of Different Forest Types within the Tropical Montane Rainforest of Southern Ecuador. In: Weiß M. M., Dalitz H., Pfiz M. & Zimmermann R. (eds.): Consequences of climate change on tropical Ecosystems. 21. Annual Meeting of the Society for Tropical Ecology, Hohenheim, 18-22 Feb 2008, Ulmer, Stuttgart, 126.
- Lozano P., Bussmann R.W. & Küppers M. (2008): Vegetation on natural and anthropogenic landslides at the east part of Podocarpus National Park. In: Weiß M. M., Dalitz H., Pfiz M. & Zimmermann R. (eds.): Consequences of climate change on tropical Ecosystems. 21. Annual Meeting of the Society for Tropical Ecology, Hohenheim, 18-22 Feb 2008, Ulmer, Stuttgart, 82 (oral presentation)
- Musila W., R. Gliniars, M. Oesker, H. Todt & H. Dalitz (2008): Creating an ecology laboratory to support ecological research in Kenya. Int. Congress on "Biodiversity of Africa - Observation and Sustainable Management for our Future!", 29 Sep - 3 Oct 2008, Spiers, SouthAfrica, p. 618 (poster)
- Musila W., Oesker M., Gliniars R., Todt H. & Dalitz H. (2008): Reforestation - developing strategies for restoring degraded areas in Kakamega forest, Kenya. In: Weiß M. M., Dalitz H., Pfiz M. & Zimmermann R. (eds.): Consequences of climate change on tropical Ecosystems. 21. Annual Meeting of the Society for Tropical Ecology, Hohenheim, 18-22 Feb 2008, Ulmer, Stuttgart, 129. (poster)
- Ndambi B., Heller A., Elzein A., Cadisch G. & de Mol M. (2008): Action of the mycoherbicide *Fusarium oxysporum* F. sp. strigae 'foxy 2' on *Striga hermonthica*: an anatomical study. Tropentag 2008 on Competition for Resources in a Changing World: New Drive for Rural Development, Hohenheim 7-9 Oct 2008, Cuvillier, Göttingen, 286.
- Ploch S. & Thines M. (2008): Bisläng unbekannt Biodiversität der auf Brassicaceen parasitierenden Gattung *Albugo*. Jahrestagung der Deutschen Phytomed. Gesellschaft AK Mykologie, Bonn, März 2008
- Ploch S. & Thines M. (2008): Discovery of the first widespread endophytic oomycete in natural populations of *Erysimum crepidifolium*. Internat. Tagung der DGFM, Kassel, Oktober 2008
- Runge F. & Thines M. (2008): Aufspaltung von *Bremia lactucae* in mehrere Arten. Jahrestagung der Deutschen Phytomed. Gesellschaft AK Mykologie, Bonn, März 2008
- Runge F. & Thines M. (2008): Wirtswechsel und Artbildungsprozesse am Beispiel von *Pseudoperonospora cubensis* und *P. humuli*. 56. Deutsche Pflanzenschutztagung, Kiel, September 2008

- Schröder R., McDonald K., Podest E. & Zimmermann R. (2008): Global Wetland and Snow Dynamics derived from Multiple Satellite Records. AGU Fall Meeting, San Francisco CA, 15-19 Dec 2008, Abstract B41A-0363
- Spring O. (2008): Keimungsinduktoren für *Orobancha cumana* aus Wurzeln der Sonnenblume. 56. Deutsche Pflanzenschutztagung, Kiel, September 2008
- Spring O., Zipper, R. & Wolf, S. (2008): *Pustula tragopogonis*, ein neues Problem im deutschen Sonnenblumenanbau. 56. Deutsche Pflanzenschutztagung, Kiel, September 2008
- Stika H.-P., A. Stobbe, Kalis A. J., Dambeck R., Herrmann N., Kunst M., Lord A. & Thiemeyer J. (2008): Archäobotanische Ergebnisse aus der kupferzeitlichen Siedlung Zambujal im Zusammenhang mit holozäner Talentwicklung und Landschaftswandel am Rio Sizandro an der portugiesischen Westküste. (Abstractband, 18). Jahrestreffen des Arbeitskreises Vegetationsgeschichte der Reinhold-Tüxen-Gesellschaft, Kloster Schöntal, 31.10. - 3.11.2008
- Stika H.-P. (2008): EU Projekt "Emergence of European Societies in Later Prehistory": Archäobotanische Ergebnisse zu einigen bronze- und eisenzeitlichen Fundstellen in Skandinavien, Ungarn sowie Sizilien und ihre Interpretation in Bezug auf Haushalte. (Abstract zum Vortrag) 6. Deutscher Archäologenkongress, Mannheim, 13.-17. Mai 2008
- Telle S. & Thines M. (2008): Downy mildews of tropical cereals are also widespread in European native grasses. Internat. Tagung der DGFM, Kassel, Oktober 2008
- Telle S. & Thines M. (2008): Phylogenetische Analyse der Gattung *Peronosclerospora*, ein Pathogen wichtiger Kulturgräser. 56. Deutsche Pflanzenschutztagung, Kiel, September 2008
- Telle S. & Thines M. (2008): Rekonstruktion der Phylogenie von *Sclerophthora*, einem auf Gräsern parasitierenden Oomyceten. Jahrestagung der Deutschen Phytomed. Gesellschaft AK Mykologie, Bonn, März 2008
- Thines M. (2008): Molekularphylogenetische Untersuchungen als Mittel für die Aufdeckung invasiver und potentiell gefährlicher Oomyceten. 56. Deutsche Pflanzenschutztagung, Kiel, September 2008
- Thines M. (2008): Systematics, phylogeny and evolution of the Oomycota, with special reference to the obligate biotrophic taxa. Internat. Tagung der DGFM, Kassel, Oktober 2008
- Todt H., R. Gliniars, W. Musila, M. Oesker & H. Dalitz (2008): Spatial heterogeneity of abiotic factors - affecting species diversity in Kakamega Forest. Int. Congress on "Biodiversity of Africa - Observation and Sustainable Management for our Future!", 29 Sep - 3 Oct 2008, Spiers, SouthAfrica, p. 620 (poster)
- Veste M. (2008): Adaptations of southern African succulents to climate changes. In: Weiß M. M., Dalitz H., Pfiz M. & Zimmermann R. (eds.): Consequences of climate change on tropical Ecosystems. 21. Annual Meeting of the Society for Tropical Ecology, Hohenheim, 18-22 Feb 2008, Ulmer, Stuttgart, 37

2007

Zeitschriften-Aufsätze begutachtet 2007

- Choi Y.-J., Shin H.-D., Hong S.-B. & Thines M. (2007): Morphological and molecular discrimination among *Albugo candida* materials infecting *Capsella bursa-pastoris* world-wide. Fungal Diversity 27: 11-34
- Dinter I. & Haas K. (2007): Epicuticular wax and anatomical features of *Arthraerua leubnitziae* (Kuntze) Schinz (Amaranthaceae) related to the ecological conditions in the Namib Desert. Dinteria 30, 1-18
- Frenzel B. (2007): Quaternary Palaeoecology: Isotopes as Valuable Aids in Palaeoecological Research. Progress in Botany 68, 336-355
- Gobbin D., Bleyer G., Keil S., Kassemeyer H.-H. & Gessler C. (2007): Evidence for sporangial dispersal leading to a single infection event and a sudden high incidence of grapevine downy mildew. Plant Pathology 56 (5): 843-847
- Hammer T.R., Thines M. & Spring O. (2007): Development of a transformation system for downy mildews. Advances in Downy Mildew Research, Vol. 3: 87-93
- Hammer T.R., Thines M. & Spring O. (2007): Transient expression of gfp in the obligate biotrophic oomycete *Plasmopara halstedii* using electroporation and a mechanoperforation method. Plant Pathology 56 (1): 177-182

- Kempton H. & Frenzel B. (2007): The Geochemistry of ombrotrophic Sphagnum species growing in different microhabitats of eight German and Belgian peat bogs and the regional atmospheric deposition. *Water Air and Soil Pollution* 184, 29-48
- Komjati H., Walcz I., Viranyi F., Zipper R., Thines M. & Spring O. (2007): Characteristics of a *Plasmopara angustiterminalis* isolate from *Xanthium strumarium*. *European Journal of Plant Pathology* 119: 421-428
- Lozano P., Bussmann R.W. & Küppers M. (2007): Regeneración pionera en deslizamientos de tierra producidos por perturbaciones antropogénicas junto a carreteras, en la zona de amortiguamiento del Parque Nacional Podocarpus, Ecuador. *Cinchona* 8/1, 126-135
- Lozano P., Küppers M. & Bussmann R. W. (2007): Influencia de los bosques montanos como regeneradores de áreas antropicas perturbadas. The role of montane forests as source for the regeneration of anthropogenically disturbed areas. *Arnaldoa (Trujillo, Perú)* 14(1): 111-122
- Lozano P., Bussmann R.W. & Küppers M. (2007): Diversidad florística del bosque montano en el Occidente del Parque Nacional Podocarpus, Sur del Ecuador y su influencia en la flora pionera en deslizamientos naturales (Montane forest diversity influencing pioneer flora on natural landslides at the Western side of Podocarpus National Park, South Ecuador). *Revista Científica UDO Agrícola* 7(1), 142-159
URL: <http://www.bioline.org.br/request?cg07016>
- Rollenbeck R., Bendix J., Fabian P., Boy J., Dalitz H., Emck P., Oesker M. & Wilcke W. (2007): Comparison of different techniques for the measurement of precipitation in tropical montane rain forest regions. *Journal of Atmospheric and Oceanic Technology* 24 (2): 156-168
- Schwekendiek A., Spring O., Heyerick A., Pickel B., Pitsch N.T., Peschke F., De Keukeleire D. & Weber G. (2007): Constitutive expression of a grapevine stilbene synthase gene in transgenic hop (*Humulus lupulus* L.) yields high amounts resveratrol and its derivatives. *Journal of Agriculture and Food Chemistry* 55: 7002-7009
- Spring O., Keil S. & Zipper R. (2007): Field monitoring reveals two genotypes of *Peronospora tabacina*. *Advances in Downy Mildew Research*, Vol. 3: 107-111
- Thines M. (2007): A first molecular phylogeny for the graminicolous downy mildews. *Advances in Downy Mildew Research*, Vol. 3: 25-29
- Thines M. (2007): Characterisation and phylogeny of repetitive elements giving rise to exceptional length of ITS2 in several downy mildew genera (Peronosporaceae). *Fungal Genetics and Biology* 44: 199-207
- Thines M. (2007): Repeats in the ITS2 of *Plasmopara* species and their relevance for phylogenetic studies. *Advances in Downy Mildew Research*, Vol. 3: 31-35
- Thines M. (2007): Use of scanning electron microscopy in downy mildews systematics. *Advances in Downy Mildew Research*, Vol. 3: 17-23
- Thines M., Göker M., Oberwinkler F. & Spring O. (2007): A revision of *Plasmopara penniseti*, with implications for the host range of the downy mildews with pyriform haustoria. *Mycological Research* 111(12): 1377-1385
- Veste M. (2007): Parasitic flowering plants on Euphorbia in South Africa and Namibia. *Euphorbia World* 3(3), 5-9
- Veste, M. (2007): Der Salzhaushalt der Sukkulente. *Avonia* 25(2): 43-50.

Buchbeiträge / Wiss. Aufsätze 2007

- Berger S. & Veste M (2007): Temperature influence on photosynthetic activity of *Ilex aquifolium* L. - Photosynthetic advantage of climate change? *Verh. Ges. Ökol.* 37: 356
- Frenzel B. (2007): Über natürliche Störungen der Moorstratigraphie eines subtropischen Dauerfrostgebietes – das Beispiel Tibet. In: *Archäol. Gesellschaft in Thüringen (Hrsg.): Terra Praehistorica (Festschrift für Klaus-Dieter Jäger zum 70. Geburtstag). Beiträge zur Ur- und Frühgeschichte Mitteleuropas* 48, 41-51
- Gao J., Nishio T., Ichizen N, Veste M. & Breckle S.-W. (2007): Desertification and Rehabilitation in China - An Overview. *Journal of Arid Land Studies* 17(3), 101-112

- Ramírez C., Claudel C., Veste M. & Feuerer T. (2007): Diferenciación genética de ecotipos chilenos de *Nothofagus antarctica* (Genetical differentiation of Chilean ecotypes from *Nothofagus Antarctica*). XIX Reunion Anual 2007 Sociedad de Botánica de Chile, 21.-24. Nov. 2007, Pucón, Chile. Biol. Res. 40 (Supl. A): 76
- Reick C.H. & Veste M. (2007): Climate-vegetation interactions – A genuine issue for interdisciplinary research. Verh. Ges. Ökol. 37: 348
- Stika H.-P. (2007): Früher neolithischer Ackerbau in Zentralspanien sowie Pflanzenreste aus einem neolithischen Grabhügel aus Ambrona (Provinz Soria). In: Madrider Mitteilungen 48, Mainz 2007, 47-62, Zusammenfassung 327-328, Taf. 12-14.
- Stika H.-P. (2007): Frühlatènezeitliche Pflanzenreste von Neuhaus a.d. Pegnitz-Finstermühle. In: Bericht der Bayerischen Bodendenkmalpflege 47/48, 2006/2007, München, 337-341
- Stika H.-P. (2007): Großrestbestimmungen an Pollenprofilen aus Ambrona (Provinz Soria). In: Madrider Mitteilungen 48, Mainz 2007, 108-113, Zusammenfassung 329-330.
- Veste M., Ramírez C. & Feuerer T. (2007): Photosynthetic performance of deciduous South American *Nothofagus blume* species. Reunion Anual 2007 Sociedad de Botánica de Chile, 21.-24. Nov. 2007, Pucón, Chile. Biol. Res. 40 (Supl. A): 101
- Veste M., Schmitt U., Kriebitzsch W.-U. & Beck W. (2007): European beech provenances (*Fagus sylvatica* L) under climate change: response of transpiration, chlorophyll fluorescence and tree ring growth. Verh. Ges. Ökol. 37: 368
- Vettori C., Veste M., Fladung M., Markusse T., Ernst D., Herppich W.B, Citterio G., Forstreuter M., Paffetti D., Emiliani G. & Giannini R. (2007): How is the genotype influencing photosynthetic performance of *Fagus sylvatica* L. from Italy and Germany? Verh. Ges. Ökol. 37: 369

Sammelwerke / Monographien / Lehrbücher 2007

- Frenzel B. & Lorenz S. (Hrsg.) (2007): Bergbau und Herrschaft im mittelalterlichen Europa. Markstein Verlag, ISBN-13: 9783935129367, 208 S.

Tagungsbeiträge / Abstracts 2007

- Adamczyk, S. (2007): Pollenanalytische Ergebnisse zur holozänen Vegetationsgeschichte auf dem Tibetischen Plateau. 16. Jahrestagung Arbeitskreis "Hochgebirge" am 26./27.01.2007, "Grenzen im Hochgebirge".
- Anderle A.-M., Haas K. & Spring O. (2007): Omega-3 Fettsäuren in mit Oomyceten infizierten Nutzpflanzen. Jahrestagung der Deutschen Phytomedizinischen Gesellschaft AK Mykologie, 15.-16.03. 2007, Halle
- Beck W., Kriebitzsch W.-U., Schmitt U. & Veste M. (2007): European beech provenances (*Fagus sylvatica* L.) under climate change: response of transpiration, chlorophyll fluorescence and tree ring growth. Tagung der Deutschen Botanischen Gesellschaft, 3.-7.09.2007, Hamburg
- De Mol M. & Heller A. (2007): Sap flow from host to mistletoe: an anatomical approach. 9th World Congress on Parasitic Plants 03.-07.06.2007, Charlottesville, USA.
- Ghorbani A., Küppers M. & Bussmann R.W. (2007): Ethnomedical practices among Iranian Turkmen. 6th European Colloquium on Ethnopharmacology & 20. Fachkonferenz Ethnomedizin - Joint Meeting, Leipzig, 8-10 Nov 2007
- Ghorbani A., Mosaddegh M., Bussmann R.W. & Küppers, M. (2007): Wild edible plants of the Turkmen Sahara area (NE Iran). I. International medicinal and aromatic plants conference on culinary herbs, Antalya, Turkey, 29 Apr-04 May 2007
- Hammer T.R. Spring, O. & Thines, M. (2007): Expression of GFP in the obligate biotrophic oomycete *Plasmopara halstedii* using electroporation and a newly developed mechanical method (Löchern). XXIV Fungal Genetics Conference, 20-25 March 2007, Asilomar, USA

- Heller A., Elzein A., De Mol M., Kroschel J. & Cadisch G. (2007): Colonization of *F. oxysporum f.sp. strigae* (Foxy 2) on roots of sorghum plants and its implication for Striga control using a seed treatment delivery system: an anatomical study. 9th World Congress on Parasitic Plants 03.-07.06.2007, Charlottesville, USA.
- Herrera Bonilla O., Major I, de Martins M., Veste M. (2007): The use of halophytes for rehabilitation of salt affected soils in northeast Brazil. Tagung der Deutschen Botanischen Gesellschaft, 3.-7.09.2007, Hamburg
- Horna V., Zimmermann R. & Küppers M. (2007): Stomatal control of water flux and photosynthesis of palm swamp species and *Mauritia flexuosa* L. in the Amazon lowlands, SE-Perú. 20th Annual Conference "Tropical Diversity in the Anthropocene" of the Society of Tropical Ecology (GTÖ), 21-25 Feb. 2007, Bonn.
- Küppers M., Beck E., Küppers B.I.L., Zimmermann R., Horna V. & Roos K. (2007): Photosynthetic Capacities and Leaf Conductances of the Planted Tree Saplings and Competing Weeds in Tropical Montane Pasture Confirm the General Decline from Pioneers to Late Successional Species - Studies with Special emphasis on Bracken. Status Symposium der DFG Forschergruppe 816, 20.-21.09.2007, Loja, Ecuador.
- Küppers M., Ohlemacher C., Zimmermann R., Motzer T., Schmitt D., Horna V., Küppers B.I.L. & Mette T. (2007): Neotropical tree and stand transpiration from montane to páramo vegetation, S-Ecuador and N-Perú. 20th Annual Conference "Tropical Diversity in the Anthropocene" of the Society of Tropical Ecology (GTÖ), 21-25 Feb. 2007, Bonn.
- Oesker M., Gliniars R., Musila W., Todt H. & Dalitz H. (2007): Regeneration requirement of tropical tree species under aspects of heterogeneity and reforestation. Proceedings for the 20th Annual Meeting of the Society of Tropical Ecology, Bonn: 106.
- Schmitt D., Ohlemacher C. & Küppers M. (2007): Continuous high resolution dendrometry - a tool für quantifying vine and tree transpiration. . 20th Annual Conference "Tropical Diversity in the Anthropocene" of the Society of Tropical Ecology (GTÖ), 21-25 Feb. 2007, Bonn
- Stika, H.-P., Heiss, A. G. and Zach, B. (2007): Plant remains from early Iron Age in western Sicily (Monte Polizzo, Salemi, and Selinunte). Bieniek, A. (ed.) Programme and abstracts of 14th Symposium of the International Work Group for Palaeoethnobotany, Kraków2007, 63.
- Veste M., Heine C., Neumann R. & Forstreuter M. (2007): Investigations of fine root dynamics of beech proveniences using minirhizotrons, Meeting of the COST - Action E52, 30.05.-2.06.2007, Berlin
- Veste M., Vettori C., Citterio G., Forstreuter M., Fladung M., Ernst D., Herppich W.B., Paffetti D., Emiliani G. & Giannini F. (2007): How is the genotype influencing photosynthesis of *Fagus sylvatica* from Italy and Germany? Meeting of the COST - Action E52, 30.05.-2.06.2007, Berlin
- Vettori C., Fladung M., Ernst, D. E., Markusse T., Veste M., Paffetti D., Emiliani G., Forstreuter M., Citterio G. & Giannini R (2007): Different *Fagus sylvatica* genotypes under high level of CO₂: gene expression and ecophysiology analysis. 51th Annual Congress Società Italiana di Genetica Agraria, Riva del Garda, 23-26.09.2007
- Vettori C., Fladung M., Ernst, D.E., Markusse T., Forstreuter M., Veste M., Paffetti D., Emiliani G., Citterio G., Giannini R.: Gene expression and ecophysiology response to CO₂ from different *Fagus sylvatica* genotypes. Meeting of the COST - Action E52, 30.05.-2.06.2007, Berlin
- Zimmermann R., Horna V., Vasquez P., Küppers M. & Soto A. (2007): Water use and photosynthesis of evergreen and deciduous dry forest species in N-Perú. 20th Annual Conference "Tropical Diversity in the Anthropocene" of the Society of Tropical Ecology (GTÖ), 21-25 Feb. 2007, Bonn.