

Summary *Curriculum Vitae* – Reiner Finkeldey

DATE OF BIRTH, CAREER PATH

1962	born in Minden, Germany
1983-1988	Studies of Forestry of the Temperate Region and Tropical Forestry, Georg-August-Universität Göttingen, Germany
1988-1989	Visiting Research Fellow, Taiwan Forestry Research Institute
1990-1993	PhD Student, Georg-August-University, Göttingen
1993	PhD (Dr. forest) in Forest Genetics, Georg-August-Universität Göttingen
1994-1996	Tree Improvement Expert, FAO
1996-1997	Scholarship Holder (German Research Foundation; DFG)
1997-2001	Senior Scientist, Forest Genetics; WSL Switzerland
2001	Habilitation (post-lecturer qualification) in Forest Genetics and Forest Tree Breeding
2001-2015	Full professor (C4, since 2011 W3) in Forest Genetics and Forest Tree Breeding, Georg-August-Universität Göttingen
2006-2008	Dean, Faculty of Forest Sciences and Forest Ecology, Georg-August-Universität Göttingen
2011	Offer of a Professorship (Chair) in Plant Biology, UCC Cork, Ireland (declined)
2013-2015	Vice-President for Research, Georg-August-Universität Göttingen
2015-2021	President, University of Kassel
2021-2022	Full Professor (W3) for Plant Population Genetics, University of Kassel
2022-ongoing	Vice President for International Affairs, German Jordanian University, Jordan

INTERNATIONAL EXPERIENCE

Year (Duration)	Place	Institution	Position
1984 (6 Months)	Taipei, Taiwan	Taiwan Forestry Research Institute	Practitioner
1988-1989 (14 Months)	Taipei, Taiwan	Taiwan Forestry Research Institute	Visiting Research Fellow
1992 (3 Months)	Muak Lek, Thailand	ASEAN-Canada Forest Tree Seed Centre	Guest Scientist
1994-1996 (24 Months)	Los Baños, Philippines	Food and Agriculture Organization	Scientific Officer
1996 (6 Months)	Bangkok, Thailand	Royal Forest Department	Guest Scientist
1997 (6 Months)	Umeå, Sweden	Swedish Univ. of Agric. Sci. (SLU)	Guest Scientist
1997-2001 (40 Months)	Birmensd., Switzerland	Swiss Federal Research Institute WSL	Senior Scientist

Selected short-term stays since 2001: University of Forestry, Yezin, Burma (4 stays, guest professor); Bogor Agricultural University, Bogor, Indonesia (6 stays, collaborative research and teaching, training courses); Visayas State University, Leyte, Philippines (4 stays, teaching and training courses); Vietnam National University, Dept. of Botany, HoChiMinh-City, Vietnam (4 stays, research and teaching); Kyushu University, Fukuoka, Japan (research cooperation); Beijing Forestry University and Hebei Agricultural University, Beijing and Baoding, China (guest professor), Democritus University of Thrace, Greece (research and teaching); Texas A&M University, USA (research; 2 months, 2009).

KEY RESEARCH EXPERTISE

- Population Genetics, Ecological Genetics and Conservation Genetics of Forest Trees
- Sustainable Use of Genetic Resources in Tropical and Temperate Forests
- Human Impact on Plant Genetic Resources, Genetic Responses of Plant Populations to Global Change

PEER-REVIEWED PUBLICATIONS

>130 published papers in international, peer-reviewed journals (H (web of science): 30; H (google scholar): 41)

RESEARCH FUNDING

More than 3,9 Mil. € competitively acquired grants from 2002 to 2018. Main sponsors: DFG (German Research Foundation), Federal Ministries, EU, German States

KEY MANAGEMENT EXPERIENCE

- 2001-2015: Head of Section “Forest Genetics and Forest Tree Breeding”, Georg-August-Universität Göttingen
- 2006-2008: Dean, Faculty of Forest Sciences and Forest Ecology, Georg-August-Universität Göttingen
- 2008-2012: Director, Büsgen-Institute, Faculty of Forest Sciences and Forest Ecology, Georg-August-Universität Göttingen
- 2004-2013: Elected member of faculty board; 2005-2006 and 2009-2013: Head of strategy commission of faculty
- 2011-2013: Member of the Senate, Georg-August-Universität Göttingen
- 4/2013 – 8/2015: Vice President for Research, Georg-August-Universität Göttingen
- 10/2015 – 9/2021: President, Kassel University
- Since 8/2022: Vice President for International Affairs, German Jordanian University, Jordan

Complete CV – Reiner Finkeldey

A) PERSONNEL INFORMATION, EDUCATION, APPOINTMENTS

Name: FINKELDEY, REINER
Current appointment: Vice President for International Affairs
 German Jordanian University
 Madaba Street
 Amman 11180
 Jordan
Reiner.Finkeldey@giu.edu.jo



MAIN APPOINTMENTS

1988-1989	Visiting Research Fellow, Taiwan Forestry Research Institute (supported by DAAD)
1990-1993	PhD student, Göttingen University
1994-1996	Tree Improvement Expert, FAO; based in the Philippines
1996-1997	Scholarship Holder (DFG); Umeå, Sweden, and Bangkok, Thailand
1997-2001	Senior Scientist, Forest Genetics; WSL Switzerland
2001-2015	Full Professor (C4; since 2011 W3) for Forest Genetics and Forest Tree Breeding, Göttingen University
2006-2008	Dean, Faculty of Forest Sciences and Forest Ecology, Göttingen University
2011	Offer of a Professorship (Chair) in Plant Biology, UCC Cork, Ireland (declined)
2013-2015	Vice-President for Research, Göttingen University
2015-2021	President, Kassel University
2021-2022	Professor for Plant Population Genetics, Faculty for Organic Agricultural Sciences, Kassel University

KEY RESEARCH EXPERTISE

- Population Genetics, Ecological Genetics and Conservation Genetics of Forest Trees
- Evolutionary Genetics and Molecular Genetics of Plants
- Sustainable Use of Genetic Resources in Tropical and Temperate Forests
- Human Impact on Plant Genetic Resources
- Genetic Responses of Plant Populations to Global Change

KEY MANAGEMENT EXPERIENCE

- 2001-2015: Head of Section “Forest Genetics and Forest Tree Breeding”, Georg-August-Universität Göttingen
- 2006-2008: Dean, Faculty of Forest Sciences and Forest Ecology, Georg-August-Universität Göttingen
- 2008-2012: Director, Büsgen-Institute, Faculty of Forest Sciences and Forest Ecology, Georg-August-Universität Göttingen
- 2004-2011: Elected member of faculty board; 2005-2006 and since 2009: Head of strategy commission of faculty
- 2011-2013: Member of the Senate, Georg-August-Universität Göttingen
- 2012-2013: Director, Section for Tropical and Subtropical Agriculture and Forestry, Centre of Biodiversity and Sustainable Land Use, Georg-August-Universität Göttingen
- 4/2013 – 8/2015: Vice President for Research, Georg-August-Universität Göttingen
- 10/2015-9/2021: President, University of Kassel
- Since 8/2022: Vice President for International Affairs, German Jordanian University, Jordan

B) EDUCATION AND DEGREES

1983-1988	Studies of Forestry, Göttingen University
1988	Diploma in Forestry of the Temperate Region
1988	Diploma in Tropical and Subtropical Forestry
1993	PhD in Forestry (Dr. forest), Göttingen University
2000	Habilitation (post lecturer qualification) in Forest Genetics and Forest Tree Breeding, Göttingen University

C) THESIS TOPICS AND SUPERVISORS/MENTORS

PhD (Dr. forest): The significance of allelic profiles for the conservation of forest genetic resources; Prof. Dr. H.H. Hattemer, Göttingen, Germany

Habilitation (post-lecturer qualification): Genetic investigations on the reproduction of teak (*Tectona grandis* L.f.) in Thailand; Examiners: Prof. Dr. H.H. Hattemer, Prof. Dr. J. Lunderstädt, Prof. Dr. H.J. Weidelt, Göttingen; Prof. Dr. G. Müller-Starck, Munich; Prof. Dr. L. Paule, Zvolen, Slovakia

D) SCIENTIFIC ACTIVITIES AND AWARDS

1989	Klaus-Stern award in forest genetics
Since 2000	Reviewer for scientific journals in the areas of plant genetics, ecological genetics, plant phylogeny and taxonomy, forest sciences. Examples: Annals of Forest Science; Basic and Applied Ecology; Canadian Journal of Forestry Research; Conservation Genetics; European Journal of Forestry Research; Evolutionary Ecology; Forest Ecology and Management; Genetic Resources and Crop Evolution; Molecular Ecology; Molecular Phylogenetics and Evolution; New Forests; Oecologia; Philippine Agricultural Scientist; Plant Biology; Plant Systematics and Evolution; Scandinavian Journal of Forestry Research; Silvae Genetica; Theoretical and Applied Genetics; Taxon; Tree Genetics and Genomes; Trees - Structure and Function; All Life; Forests; Plants.
Since 2000	Reviewer for Funding agencies. Examples: DFG, DAAD, EU, BMZ, DBU, Austrian Academy of Sciences, NSF, FORMAS (Schweden), Latvian Council for Science, uefiscdi (Romania), European Commission
2000-2013	Advisor, International Foundation for Science (IFS), Schweden
2001-2011	Training courses and invited lectures in - University of Forestry, Yezin, Myanmar - Bogor Agricultural University, Indonesia - Leyte State University, Philippines - HCM-University, HCM-City, Vietnam
2004	Visiting Scientist, Kyushu University, Japan (supported by JICA)
2005	Affiliate Professor, Visayas State University, Philippines
seit 2005	Expert for tropical wood according to the federal nature protection law
2006-2010	Member in the <i>executive board</i> and <i>governing board</i> of the <i>Network of Excellence (NoE) EVOLTREE</i> , supported by the EU
2007	Guest professor, Hebei Agricultural University, Baoding, China
2007	Guest professor, Beijing Forestry University, Beijing, China
2018	Honorary professor, University Transilvania Brasov, Romania

Orchid ID: 0000-0003-3500-5656

Web of Science ResearcherID: ABD-4392-2021

E) TEACHING EXPERIENCE AND SUPERVISION OF PHD STUDENTS

Teaching in undergraduate (B.Sc.) and graduate (M.Sc.) programs (2001-2015):

Modules/courses (*italics: in English*): Introduction to Forest Genetics, *The Research Community: Structure and Organization*, *Ecological Genetics*, *Methods in Systems Biology*, Breeding of Forest Trees, *Tropical Forest Genetics*, *Forestry in Germany*, Population Biology, Molecular Genetic and Ecophysiological Exercises; various project studies in M.Sc. programs

Participation in PhD programs and supervision of PhD theses:

Since 2004 more than 25 students successfully completed their PhD studies under my guidance as first supervisor in three different PhD programs (Forest Sciences and Forest Ecology; *Wood biology and wood technology*; BIONUTZ). I served as second supervisor or reviewer for a large number of other PhD projects. Most successfully completed PhD studies under my guidance were conducted by foreign students; more than 10 PhD students received a scholarship from the DAAD.

F) INTERNATIONAL EXPERIENCE

Year (Duration)	Place	Institution	Position
1984 (6 Months)	Taipei, Taiwan	Taiwan Forestry Research Institute	Practitioner
1988-1989 (14 Months)	Taipei, Taiwan	Taiwan Forestry Research Institute	Visiting Scientist
1992 (3 Months)	Muak Lek, Thailand	ASEAN-Canada Forest Tree Seed Centre	Guest Scientist
1994-1996 (24 Months)	Los Baños, Philippines	Food and Agriculture Organization	APO
1996 (6 Months)	Bangkok, Thailand	Royal Forest Department	Guest Scientist
1997 (6 Months)	Umeå, Sweden	Swedish Univ. of Agric. Sci. (SLU)	Guest Scientist
1997-2001 (40 Months)	Birmensd., Switzerland	Swiss Federal Research Institute WSL	Senior Scientist

Selected short-term 2001-2015: University of Forestry, Yezin, Burma (4 stays, guest professor); Bogor Agricultural University, Bogor, Indonesia (6 stays, collaborative research and teaching, training courses); Visayas State University, Leyte, Philippines (4 stays, teaching and training courses); Vietnam National University, Dept. of Botany, HoChiMinh-City, Vietnam (4 stays, research and teaching); Kyushu University, Fukuoka, Japan (research cooperation); Beijing Forestry University and Hebei Agricultural University, Beijing and Baoding, China (guest professor), Democritus University of Thrace, Greece (research and teaching); Texas A&M University, USA (research; 2 months, 2009).

G) COMPETITIVE GRANTS

List of selected competitive grants from 2003 to 2018 (only above 100.000 €). Amounts refer to the contribution allocated to my group only in case of a joint application.

Years	Title	Funding Agency	Amount (€)
2003-2006	Genetic variation of <i>Shorea</i> in Indonesia (DFG-BMZ Program; DFG grant only)	DFG	238,000 €
2003-2006	The reproduction system of Norway spruce (<i>Picea abies</i>) in stands of different density	DFG	110,000 €
2003-2005	Conservation of plant genetic resources in Southeast-Asia (Coordinator; AUNP Programm)	EU	198,000 €

2004-2007	Trilateral project with partners in France and Spain: Nuclear diversity of genes involved in the adaptation of trees to changing environmental conditions (DIGENFOR)	BMBF; GABI	233,800 €
2004-2007	Moleculargenetic markers to identify the origin of wood for tropical tree species	BMELV	265,000 €
2006-2010	Network of Excellence (NoE): Evolution of trees as drivers of terrestrial biodiversity (EVOLTREE)	EU	approx. 350,000 €
2007-2010	Genetic processes in pines from the Chernobyl exclusion zone	DFG	297,000 €
2008-2011	Functional Biodiversity Research Center; Relationships between species and genetic diversity	State Lower Saxony	204,000 €
2008-2011	Biodiversity exploratories: spatial variation of intraspecific diversity in beech	DFG	130,000 €
2009-2012	Development of a standard method to characterize genetic differentiation of shrubs	BMELV	136,400 €
2009-2013	KLIFF: Adaptation strategies of forested landscapes to climate change; subproject genetic adaptive potentials	State Lower Saxony	310,000 €
2010-2013	Genomic tools to increase biomass production and for sustainable forest management in <i>Pinus pinaster</i>	BMBF – PLANT – KBBE	165,700 €
2010-2014	Biodiversity exploratories: Genetic and adaptive variation in beech (BEECHADAPT)	DFG	286,200 €
2012-2015	SFB 990: Project B03 – Plant genetic diversity in tropical rainforest transformation systems	DFG	234,900 €
2012-2015	SFB 990: Projekt Z02 (WP 2) – Barcoding of vascular plants and their roots in Jambi, Indonesia	DFG	112,500 €
2014-2017	WAHYKLAS: Forest adaptation strategies against pests in vulnerable regions under the impact of climate change and other restrictions	BMELV	345,000 €
2015-2018	Impac: Mixed cropping of new genotypes for an improved sustainable land use in agriculture, grassland and forests (subproject forestry)	BMBF	approx. 290,000 €
Sum			above 3.9 Mil. €

H) PUBLICATIONS

Publication Metrics

Web of Science/Publons (August 18, 2022): Publications: 142; Citations: 3,581; h-Index: 30

Google Scholar (August 18, 2022): i10-Index: 119; Citations: 6528; h-Index: 41

PEER-REVIEWED PUBLICATIONS IN INTERNATIONAL SCIENTIFIC JOURNALS**2021**

- 133 Tsipidou, O., Leinemann, L., Korakis, G., **Finkeldey, R.**, Gailing, O., Papageorgiou, A.C. (2021) Fine-Scale Spatial Patterns of the Genetic Diversity of European Beech (*Fagus sylvatica* L.) around a Mountainous Glacial Refugium in the SW Balkans. *Forests* **12**: 725
- 132 Ohtani, M., Tani, N., Ueno, S., Uchiyama, K., Kondo, T., Lee S.L., Kit Siong Ng, K., Muhammad, N., **Finkeldey, R.**, Gailing, O., Na'iem, M., Indrioko, S., Siregar, I.Z., Kamiya, K., Harada, K., Diway, B., Tsumura, Y. (2021) Genetic structure of an important widely distributed tropical forest tree, *Shorea parvifolia*, in Southeast Asia. *Tree Genetics and Genomes* **17**: 1-13
- 131 Semizer-Cuming, D., Chybicki, I.J., **Finkeldey, R.**, Kjær, E.D. (2021) Gene flow and reproductive success in ash (*Fraxinus excelsior* L.) in the face of ash dieback: restoration and conservation. *Anal. of Forest Science* **78**: 1-15
- 130 Cuervo.Alcaron, L., Arend, M., Müller, M., Sperisen, C., **Finkeldey, R.**, Krutovsky, K.V. (2021) A candidate gene association analysis identifies SNPs potentially involved in drought tolerance in European beech (*Fagus sylvatica* L.). *Scientific Reports* **11**: 2386

2020

- 129 Müller, M., Kempen, T., **Finkeldey, R.**, Gailing, O. (2020) Low Population Differentiation but High Phenotypic Plasticity of European Beech in Germany. *Forests* **11**: 1354
- 128 Pettenkofer, T., **Finkeldey, R.**, Müller, M., Krutovsky, K., Vornam, B., Leinemann, L., Gailing, O. (2020) Development of novel *Quercus rubra* chloroplast genome CAPS markers for haplotype identification. *Silvae Genetica* **69**: 78-85
- 127 Pettenkofer, T., **Finkeldey, R.**, Müller, M., Krutovsky K.V., Vornam, B., Leinemann, L., Gailing, O. (2020) Genetic variation of introduced red oak (*Quercus rubra*) stands in Germany compared to North American populations. *European Journal of Forest Research* **139**: 321-331

2019

- 126 Akinagbe, A., Gailing, O., **Finkeldey, R.**, Lawal, A. (2019) Towards Conservation of Genetic Variation of Tropical Tree Species With Differing Successional Status: The Case of *Mansonia altissima* A. Chev and *Triplochiton scleroxylon* K. Schum. *Tropical Conservation Science* **12**: 1-9
- 125 Eliades, N.G.H., Papageorgiou, A.C., Fady, B., Gailing, O., Leinemann, L., **Finkeldey, R.** (2019) An approach to genetic resources conservation of peripheral isolated plant populations: the case of an island narrow endemic species. *Biodiversity and Conservation* **28**: 3005-3035
- 124 Pettenkofer, T., Burkardt, K., Ammer, C., Vor, T., **Finkeldey, R.**, Mueller, M., Krutovsky, K.V., Vornam, B., Leinemann, L., Gailing, O. (2019) Genetic diversity and differentiation of introduced red oak (*Quercus rubra*) in Germany in comparison with reference native North American populations. *European Journal of Forest Research* **138**: 275-285

- 123 Semizer-Cuming, D., **Finkeldey, R.**, Nielsen, L.R., Kjaer, E.D. (2019) Negative correlation between ash dieback susceptibility and reproductive success: good news for European ash forests. *Annals of Forest Science* **76**: 16
- 122 Amandita, F.Y., Rembold, K., Vornam, B., Rahayu, S., Siregar, I.Z. Kreft, H., **Finkeldey, R.** (2019) DNA barcoding of flowering plants in Sumatra, Indonesia. *Ecology and Evolution* **9**: 1858-1868
- 121 Torokeldiev, N., Ziehe, M., Gailing, O., **Finkeldey, R.** (2019) Genetic diversity and structure of natural *Juglans regia* L. populations in the southern Kyrgyz Republic revealed by nuclear SSR and EST-SSR markers. *Tree Genetics and Genomes* **15**: 5
- 2018**
- 120 Cuervo-Alarcon, L., Arend, M., Mueller, M., Sperisen, C., **Finkeldey, R.**, Krutovsky, K.V. (2018) Genetic variation and signatures of natural selection in populations of European beech (*Fagus sylvatica* L.) along precipitation gradients. *Tree Genetics and Genomes* **14**: 84
- 119 Breidenbach, N., Rahayu, S., Siregar, I.Z. Siregar, U.J. Hamzah, **Finkeldey, R.** (2018) Genetic Diversity of Dominant Plant Species in Tropical Land-Use Systems in Sumatra, Indonesia. *Tropical Conservation Science* **11**: 1-14
- 118 Mueller, M., Cuervo-Alarcon, L., Gailing, O., Rajendra, K.C., Chhetri, M.S., Seifert, S., Arend, M., Krutovsky, K.V., **Finkeldey, R.** (2018) Genetic Variation of European Beech Populations and Their Progeny from Northeast Germany to Southwest Switzerland. *Forests* **9**: 469
- 117 Eliades, N.G.H., Fady, B., Gailing, O., Leinemann, L., Finkeldey, R. (2018) Significant patterns of fine-scale spatial genetic structure in a narrow endemic wind-dispersed tree species, *Cedrus brevifolia* Henry. *Tree Genetics and Genomes* **14**: 15
- 2017**
- 116 Salgado, P., Prinz, K., **Finkeldey, R.** Ramirez, C.C., Vogel, H. (2017) Genetic variability of *Aristotelia chilensis* ("maqui") based on AFLP and chloroplast microsatellite markers. *Genetic Resources and Crop Evolution* **64**: 2083-2091
- 115 Semizer-Cuming, D., Kjaer, E.D., **Finkeldey, R.** (2017) Gene flow of common ash (*Fraxinus excelsior* L.) in a fragmented landscape. *PLOS One* **12**: e0186757
- 114 Mueller, M., Seifert, S., Luebbe, T., Leuschner, C., Finkeldey, R. (2017) De novo transcriptome assembly and analysis of differential gene expression in response to drought in European beech. *PLOS One* **12**: e0184167
- 113 Abdulai, I., Krutovsky, K.V., **Finkeldey, R.** (2017) Morphological and genetic diversity of shea tree (*Vitellaria paradoxa*) in the savannah regions of Ghana. *Genetic Resources and Crop Evolution* **64**: 1253-1268
- 112 Mueller, M., Seifert, S., **Finkeldey, R.** (2017) Comparison and confirmation of SNP-bud burst associations in European beech populations in Germany. *Tree Genetics and Genomes* **13**: 59
- 111 Ayele, T.B., Gailing, O., **Finkeldey, R.** (2017) Spatial distribution of genetic diversity in populations of *Hagenia abyssinica* (Bruce) JF Gmel from Ethiopia. *Annals of Forest Research* **60**: 47-62
- 110 Nuroniah, H.S., Gailing, O., **Finkeldey, R.** (2017) Development of a diagnostic DNA marker for the geographic origin of *Shorea leprosula*. *Holzforschung* **71**: 1-10

2016

- 109 Mueller, M., **Finkeldey, R.** (2016) Genetic and adaptive trait variation in seedlings of European beech provenances from Northern Germany. *Silvae Genetica* **65**: 65-73
- 108 Irawan, B., Gruber, F., **Finkeldey, R.**, Gailing, O. (2016) Linking indigenous knowledge, plant morphology, and molecular differentiation: the case of ironwood (*Eusideroxylon zwageri* Teijsm. et Binn.). *Genetic Resources and Crop Evolution* **63**: 1297-1306
- 107 Clough, Y., Krishna, V.V., Corre, M.D., Darras, K., Denmead, L.H., Meijide, A., Moser, S., Musshoff, O., Steinebach, S., Veldkamp, E., Allen, K., Barnes, A.D., Breidenbach, N., Brose, U., Buchori, D., Daniel, R., **Finkeldey, R.**, Harahap, I., Hertel, D., Holtkamp, A.M., Hoerandl, E., Irawan, B., Jaya, N.S., Jochum, M., Klarner, B., Knohl, A., Kotowska, M.M., Krashevskaya, V., Kreft, H., Kurniawan, S., Leuschner, C., Maraun, M., Melati, D.N., Opfermann, N., Perez-Cruzado, C., Prabowo, W.E., Rembold, K., Rizali, A., Rubiana, R., Schneider, D., Tjitrosoedirdjo, S.S., Tjoa, A., Tschardt, T., Scheu, S. (2016) Land-use choices follow profitability at the expense of ecological functions in Indonesian smallholder landscapes. *Nature Communications* **7**: 1-12
- 106 Minn, Y., Gailing, O., **Finkeldey, R.** (2016) Genetic diversity and structure of teak (*Tectona grandis* L. f.) and dahat (*Tectona hamiltoniana* Wall.) based on chloroplast microsatellites and Amplified Fragment Length Polymorphism markers. *Genetic Resources and Crop Evolution* **63**: 961-974
- 105 Hodac, L., Ulum, F.B., Opfermann, N., Breidenbach, N., Hojsgaard, D., Tjitrosoedirdjo, S.S., Vornam, B., **Finkeldey, R.**, Hoerandl, E. (2016) Population Genetic Structure and Reproductive Strategy of the Introduced Grass *Centotheca lappacea* in Tropical Land-Use Systems in Sumatra. *PLOS One* **11**: e0147633
- 104 Zhang, C.X., Finkeldey, R., Krutovsky, K.V. (2016) Genetic diversity and parentage analysis of aspen demes. *New Forests* **47**: 143-162

2015

- 103 Mueller, M., Seifert, S., **Finkeldey, R.** (2015) A candidate gene-based association study reveals SNPs significantly associated with bud burst in European beech (*Fagus sylvatica* L.). *Tree Genetics and Genomes* **11**: 116
- 102 Prinz, K. **Finkeldey, R.** (2015) Characterization and transferability of microsatellite markers developed for *Carpinus betulus* (Betulaceae). *Applications in Plant Sciences* **3**: 1500053
- 101 Craciunescu, I., Vornam, B., Leinemann, L., **Finkeldey, R.**, Sofletea, N., Curtu, A.L. (2015) High Genetic Differentiation among European White Oak Species (*Quercus* spp.) at a Dehydrin Gene. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca* **43**: 582-586
- 100 Mueller, M., Seifert, S., **Finkeldey, R.** (2015) Identification of SNPs in candidate genes potentially involved in bud burst in European beech (*Fagus sylvatica* L.). *Silvae Genetica* **64**: 1-19
- 99 Zhang, C.X., Vornam, B., Volmer, K., Prinz, K., Kleemann, F., Köhler, L., Polle, A., **Finkeldey, R.** (2015) Genetic variation in aspen in relation to arthropod abundance. *Frontiers in Plant Science* **5**: 806
- 98 Hansen, O.K., Changtragoon, S., Ponoy, B., Kjær, E.D., Minn, Y., **Finkeldey, R.**, Nielsen, K.B., Graudal, L. (2015) Genetic resources of teak (*Tectona grandis* Linn. F.) – strong genetic structure among natural populations. *Tree Genetics and Genomes* **11**: 802

2014

- 97 Carsjens, C., Ngoc, Q.N., Guzy, J., Knutzen, F., Meier, I.C., Müller, M., **Finkeldey, R.**, Leuschner, C., Polle, A. (2014) Intra-specific variations in expression of stress-related genes in beech progenies are stronger than drought-induced responses. *Tree Physiology* **34**: 1348-1361

- 96 Wickneswari R., Rajora O.P., **Finkeldey R.**, Aravanopoulos F., Bouvet J-M., Vaillancourt R.E., Kanashiro M., Fady B., Tomita M., Vinson C. (2014). Genetic Effects of Forest Management Practices: Global Synthesis and Perspectives. *Forest Ecology and Management* **333**: 52-65
- 95 Wiehle, M., Prinz, K., Kehlenbeck, K., Goenster, S., Mohamed, S.A., **Finkeldey, R.**, Bürkert, A., Gebauer, J. (2014) The African baobab (*Adansonia digitata* L.) – genetic resources in neglected populations of the Nuba mountains, Sudan. *American Journal of Botany* **101**: 1498-1507
- 94 Minn, Y., Prinz, K., **Finkeldey, R.** (2014) Genetic variation of teak (*Tectona grandis* Linn. f.) in Myanmar revealed by microsatellites. *Tree Genetics and Genomes* **10**: 1435-1449
- 93 Rajendra, K.C., Seifert, S., Prinz, K., Gailing, O., **Finkeldey, R.** (2014) Subtle human impacts on neutral genetic diversity and spatial patterns of genetic variation in European beech (*Fagus sylvatica*). *Forest Ecology and Management* **318**: 139-149
- 92 Leinemann, L., Kleinschmit, J., Fussi, B., Hosius, B., Kuchma, O., Arenhövel, W., Lemmen, P., Kätzel, R., Rogge, M., **Finkeldey, R.** (2014) Genetic composition and differentiation of sloe (*Prunus spinosa* L.) populations in Germany with respect to the tracing of reproductive plant material. *Plant Systematics and Evolution* **300**: 2115-2125
- 91 Papageorgiou, A.C., Tsiripidis, I., Mouratidis, T., Hatziskakis, S., Gailing, O., Eliades, N.G.H., Vidalis, A., Drouzas, A.D., **Finkeldey, R.** (2014) Complex fine-scale phylogeographic patterns in a putative refugial region of *Fagus sylvatica* L. (Fagaceae). *Botanical Journal of the Linnean Society* **174**: 516-528
- 90 Garcia, M.V., Prinz, K., Barrandeguy, M.E., Miretti, M., **Finkeldey, R.** (2014) A unifying study of phenotypic and molecular genetic variability in natural populations of *Anadenanthera colubrina* var. *cebil* from Yungas and Paranaense biogeographic provinces in Argentina. *Journal of Genetics* **93**: 123-132
- 89 Barrandeguy, M.E., García, M.V., Prinz, K., Pomar, R.R., **Finkeldey, R.** (2014) Genetic structure of disjunct populations of the subtropical tree *Anadenanthera colubrina* var. *cebil* (Fabaceae). *Plant Systematics and Evolution* **300**: 1693-1705
- 88 Tinio, C.E., **Finkeldey, R.**, Prinz, K., Fernando, E.S. (2014) Genetic variation in natural and planted populations of *Shorea guiso* (Dipterocarpaceae) in the Philippines revealed by microsatellite DNA markers. *Asia Life Sciences* **23**: 75-91
- 2013**
- 87 Gailing, O., Bodénès, C., **Finkeldey, R.**, Kremer, A., Plomion, C. (2013) Genetic mapping of EST-derived Simple Sequence Repeats (EST-SSRs) to identify QTL for leaf morphological characters in a *Quercus robur* full-sib family. *Tree Genetics and Genomes* **9**: 1361-1367
- 86 Lang, C., **Finkeldey, R.**, Polle, A. (2013) Spatial patterns of ectomycorrhizal assemblages in a monospecific forest in relation to host tree genotype. *Frontiers in Plant Science* **4**: 103
- 85 Ohtani M., Kondo, T., Tani, N., Ueno, S., Lee, L.S., Ng, K.K.S., Muhammad, N., **Finkeldey, R.**, Na'iem, M., Indrioko, S., Kamiya, K., Harada, K., Diway, B., Khoo, E., Kawamura, K., Tsumura, Y. (2013) Nuclear and chloroplast DNA phylogeography reveals Pleistocene divergence and subsequent secondary contact of two genetic lineages of the tropical rainforest tree species *Shorea leprosula* (Dipterocarpaceae) in South-East Asia. *Molecular Ecology* **22**: 2264-2279
- 84 Leinemann, L., Steiner, W., Hosius, B., Kuchma, O., Arenhövel, W., Fussi, B., Haase, B., Kätzel, R., Rogge, M., **Finkeldey, R.** (2013) Genetic variation of chloroplast and nuclear markers in natural populations of hazelnut (*Coryllus avellana* L.) in Germany. *Plant Systematics and Evolution* **299**: 369-378
- 83 Vidalis, A., Curtu, L., **Finkeldey, R.** (2013) Novel SNP development and analysis at a NADP+ specific IDH enzyme gene in a four-species mixed oak forest. *Plant Biology* **15 (Suppl. 1)**: 126-137

2012

- 82 Perović, K., Prinz, K., **Finkeldey, R.**, Cvjetičanin, R. (2012) Genetic variation of Greek maple (*Acer heldreichii* Orph.) populations in Western Balkan region. *Allgemeine Forst- und Jagdzeitung* **183**: 248-256
- 81 Landergott, U., Gugerli, F., Hoebee, S.E., **Finkeldey, R.**, Holderegger, R. (2012) Effects of seed mass on seedling height and competition in European white oaks. *Flora* **207**: 721-725
- 80 Seifert, S., Vornam, B., **Finkeldey, R.** (2012) DNA sequence variation and development of SNP markers in beech (*Fagus sylvatica* L.). *European Journal of Forest Research* **131**: 1761 - 1770
- 79 Seifert, S., Vornam, B., **Finkeldey, R.** (2012) A set of 17 single nucleotide polymorphism (SNP) markers for European beech (*Fagus sylvatica* L.). *Conservation Genetics Resources* **4**: 1045-1047
- 78 Barranteguy, M.E., Prinz, K., Gracia, M.V., **Finkeldey, R.** (2012) Development of microsatellite markers for *Anadenanthera colubrina* var. *cebil* (Fabaceae), a native tree from South America. *American Journal of Botany* **99**: e372-374
- 77 Iwanaga, H., Teshima, K.M., Khatab, I.A., Inomata, N., **Finkeldey R.**, Siregar, I.Z., Siregar, U.J., Szmidt, A.E. (2012) Population structure and demographic history of a tropical lowland rainforest tree species *Shorea parvifolia* (Dipterocarpaceae) from Southeastern Asia. *Ecology and Evolution* **2**: 1663-1675
- 76 Pandey, M., Gailing, O., Hattemer, H.H., **Finkeldey R.** (2012) Fine-scale spatial genetic structure of sycamore maple (*Acer pseudoplatanus* L.). *European Journal of Forest Research* **131**: 739-746
- 75 Vornam, B., Arkhipov, A., **Finkeldey, R.** (2012) Nucleotide diversity and gene expression of Catalase and Glutathione peroxidase in irradiated Scots pine (*Pinus sylvestris* L.) from the Chernobyl exclusion zone. *Journal of Environmental Radioactivity* **106**: 20-26

2011

- 74 Vornam, B., Gailing, O., Derory, J., Plomion, C., Kremer, A., **Finkeldey, R.** (2011) Characterization and natural variation of a dehydrin gene in *Quercus petraea* (Matt.) Liebl. *Plant Biology* **13**: 881-887
- 73 Kuchma, O., Vornam, B., **Finkeldey, R.** (2011) Mutation rates in Scots pine (*Pinus sylvestris* L.) from the Chernobyl exclusion zone evaluated with amplified fragment-length polymorphisms (AFLPs) and microsatellite markers. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis* **725**: 29-35
- 72 Demissew S., Gailing, O., Eliades, N.G., **Finkeldey, R.** (2011) Anthropogenic and natural causes influencing population genetic structure of *Juniperus procera* Hochst. ex Endl. in the Ethiopian highlands. *Genetic Resources and Crop Evolution* **58**: 849-859
- 71 Eliades, N., Gailing, O., Leinemann, L., Fady, B., **Finkeldey, R.** (2011) High genetic diversity and significant population structure in *Cedrus brevifolia* Henry, a narrow Mediterranean endemic tree from Cyprus. *Plant Systematics and Evolution* **294**: 185-198
- 70 Kuchma, O., **Finkeldey, R.** (2011) Evidence for selection in response to radiation exposure: *Pinus sylvestris* in the Chernobyl exclusion zone. *Environmental Pollution* **159**: 1606-1612
- 69 Derero, A., Gailing, O., **Finkeldey, R.** (2011). Maintenance of genetic diversity in *Cordia africana* Lam., a declining forest tree species in Ethiopia. *Tree Genetics and Genomes* **7**: 1-9
- 68 Ekué, M.R.M., Gailing, O., Vornam, B., **Finkeldey, R.** (2011) Assessment of the domestication state of ackee (*Blighia sapida* K.D. Koenig) in Benin based on AFLP and microsatellite markers. *Conservation Genetics* **12**: 475-489
- 67 Taye, B.A., Gailing, O., **Finkeldey, R.** (2011). Assessment and integration of genetic, morphological and demographic variation in *Hagenia abyssinica* (Bruce) J.F. Gmel to guide its conservation. *Journal for Nature Conservation* **19**: 8-17
- 66 Tsumura, Y., Kado, T., Yoshida, K., Abe, H., Ohtani, M., Taguchi, M., Fukue, Y., Tani, N., Ueno, S., Yoshimura, K., Kamiya, K., Harada, K., Takeuchi, Y., Diway, B., **Finkeldey, R.**, Na'iem,

- M., Indrioko, S., Ng, K.K.S., Muhammad, N., Lee, S.L. (2011). Molecular database for classifying *Shorea* species (Dipterocarpaceae) and techniques for checking the legitimacy of timber and wood products. *Journal of Plant Research* **124**: 35-48
- 65 Kleemann, F., von Fragstein und Niemsdorff, M., Vornam, B., Müller, A., Leuschner, C., Holzschuh, A., Tschardtke, T., **Finkeldey, R.**, Polle, A. (2011) Relating ecologically important tree traits to associated organisms in full-sib aspen families. *European Journal of Forest Research* **130**: 707-716
- 2010**
- 64 Nuroniah, H.S., Gailing, O., **Finkeldey, R.** (2010). Development of SCAR markers for species identification in the genus *Shorea* (Dipterocarpaceae). *Silvae Genetica* **59**: 249-256
- 63 Lang, C., Dolynska, A., **Finkeldey, R.**, Polle, A. (2010) Are beech roots territorial? *Forest Ecology and Management* **216**: 1212 – 1217
- 62 Akinagbe, A., Gailing, O., **Finkeldey, R.** (2010) Genetic diversity of *Mansonia altissima* A. Chev. under different regimes of human impact in the Acure Forest Reserve, Nigeria. *Forestry Studies in China* **12**: 193-200
- 61 Rana, R., Langenfeld-Heyser, R., **Finkeldey, R.**, Polle A. (2010). FTIR spectroscopy, chemical and histochemical characterization of wood and lignin of five tropical timber wood species of the family of Dipterocarpaceae. *Wood Science and Technology* **44**: 225-242
- 60 Ekué, M.R.M., Sinsin, B., Eyog-Matig, O., **Finkeldey, R.** (2010). Uses, traditional management, perception of variation and preferences in ackee (*Blighia sapida* K.D. Koenig) fruit traits in Benin: implications for domestication and conservation. *Journal of Ethnobiology and Ethnomedicine* **6**: 12
- 59 **Finkeldey, R.**, Leinemann, L., Gailing, O. (2010). Molecular genetic tools to infer the origin of forest plants and wood. *Applied Microbiology and Biotechnology* **85**: 1251-1258
- 2009**
- 58 Curtu, A.L., Gailing, O., **Finkeldey, R.** (2009). Patterns of contemporary hybridization inferred from paternity analysis in a four-oak-species forest. *BMC Evolutionary Biology* **9**: 284
- 57 Gailing, O., Wachter, H., Heyder, J., Rogge, M., **Finkeldey, R.** (2009) Chloroplast DNA analyses of very old, presumably autochthonous *Quercus robur* L. stands in North-Rhine Westphalia. *Allgemeine Forst- und Jagdzeitung* **180**: 221-227
- 56 Gailing, O., Vornam, B., Leinemann, L., **Finkeldey, R.** (2009) Genetic and genomic approaches to assess adaptive genetic variation in plants: forest trees as a model. *Physiologia Plantarum* **137**: 509-519
- 55 Ekué, M.R.M., Gailing, O., **Finkeldey, R.** (2009). Transferability of microsatellite markers developed in *Litchi chinensis* to *Blighia sapida* (Sapindaceae). *Plant Molecular Biology Reporter* **27**: 570-574
- 54 Gauli, A., Gailing, O., Stefenon, V.M., **Finkeldey, R.** (2009) Genetic similarity of natural populations and plantations of *Pinus roxburghii* Sarg. in Nepal. *Annals of Forest Science* **66**: 703
- 53 Taye, B.A., Gailing, O., Mohammed, U., **Finkeldey, R.** (2009) Chloroplast DNA haplotype diversity and postglacial recolonization of *Hagenia abyssinica* (Bruce) J.F. Gmel in Ethiopia. *Plant Systematics and Evolution*: **280**: 175-185
- 52 Cao, C.P., Gailing, O., Siregar, I.Z., Siregar, U., **Finkeldey, R.** (2009) Genetic variation in nine *Shorea* species revealed by AFLPs. *Tree Genetics and Genomes* **5**: 407-420
- 51 Rana, R., Langenfeld-Heyser, R., **Finkeldey, R.**, Polle, A. (2009) Functional anatomy of five endangered tropical timber wood species of the family Dipterocarpaceae. *Trees – Structure and Function* **23**: 521-529
- 50 Hatziskakis, S., Papageorgiou, A.C., Gailing, O., **Finkeldey, R.** (2009) High chloroplast haplotype diversity in Greek populations of beech (*Fagus sylvatica* L.). *Plant Biology* **11**: 425-433

- 49 Rachmayanti, Y., Leinemann, L., Gailing, O., **Finkeldey, R.** (2009) DNA from processed and unprocessed wood: factors influencing the isolation success. *Forensic Science International, Genetics* **3**: 185-192
- 2008**
- 48 Ekué, M.R.M., Gailing, O., Hölscher, D., Sinsin, B., **Finkeldey, R.** (2008). Population genetics of the cycad *Encephalartos barteri* ssp. *barteri* (Zamiaceae) in Benin with notes on leaflet morphology and implications for conservation. *Belgian Journal of Botany* **141**: 78-94
- 47 Gailing, O., Langenfeld-Heyser, R., Polle, A., **Finkeldey, R.** (2008). QTL loci affecting stomatal density and growth in a *Quercus robur* progeny: implications for the adaptation to changing environments. *Global Change Biology* **14**: 1934-1946
- 46 Papageorgiou, A.C., Vidalis, A., Gailing, O., Tsiripidis, I., Hatziskakis, S., Boutsios, S., Galatsidas, S., **Finkeldey, R.** (2008). Genetic variation of beech (*Fagus sylvatica*) in Rodopi (N.E. Greece). *European Journal of Forestry Research* **127**: 81-88
- 45 Stefenon, V.M., Gailing, O., **Finkeldey, R.** (2008). The role of gene flow in shaping genetic structures of the subtropical conifer species *Araucaria angustifolia*. *Plant Biology* **10**: 356-364
- 44 Stefenon, V.M., Behling, H., Gailing, O., **Finkeldey, R.** (2008) Evidences of delayed size recovery in *Araucaria angustifolia* populations after post-glacial colonization of highlands in Southeastern Brazil. *Annals of the Brazilian Academy of Sciences* **80**: 433-443
- 43 Stefenon, V.M., Gailing, O., **Finkeldey, R.** (2008). Genetic structure of plantations and the conservation of genetic resources of Brazilian pine (*Araucaria angustifolia*). *Forest Ecology and Management* **255**: 2718–2725
- 2007**
- 42 Curtu, A.L., Gailing, O., **Finkeldey, R.** (2007). Evidence for hybridization and introgression within a species-rich oak (*Quercus* spp.) community. *BMC Evolutionary Biology* **7**: 218
- 41 Curtu, A., Gailing, O., Leinemann, L., **Finkeldey, R.** (2007). Genetic variation and differentiation within a natural community of five oak species (*Quercus* spp.). *Plant Biology* **9**: 116-126
- 40 Gailing, O., Wachter, H., Schmitt, H.-P., Curtu, A.-L., **Finkeldey, R.** (2007). Characterization of different provenances of Slavonian pedunculate oaks (*Quercus robur* L.) in Münsterland (Germany) with chloroplast DNA markers: PCR-RFLPs and chloroplast microsatellites. *Allgemeine Forst- und Jagdzeitung* **178**: 85-90
- 39 Gailing, O., Wachter, H., Heyder, J., Schmitt, H.-P., **Finkeldey, R.** (2007). Chloroplast DNA analysis in oak stands (*Quercus robur* L.) in North Rhine-Westphalia with presumably Slavonian origin: Is there an association between geographic origin and bud phenology? *Journal of Applied Botany and Food Quality* **81**: 165-171
- 38 Gugerli, F., Walser, J.-C., Dounavi, K., Holderegger, R., **Finkeldey, R.** (2007). Coincidence of small-scale spatial discontinuities in leaf morphology and nuclear microsatellite variation of *Quercus petraea* and *Q. robur* in a mixed forest. *Annals of Botany* **99**: 713-722
- 37 Stefenon, V.M., Gailing, O., **Finkeldey, R.** (2007). Genetic structure of *Araucaria angustifolia* (Araucariaceae) populations in Brazil: the conservation of the species genetic resources. *Plant Biology* **9**: 516-525
- 2006**
- 36 Cao, C.P., **Finkeldey, R.**, Siregar, I.Z., Siregar U.J., Gailing, O. (2006). Genetic diversity within and among populations of *Shorea leprosula* Miq. and *Shorea parvifolia* Dyer (Dipterocarpaceae) in Indonesia detected by AFLPs. *Tree Genetics and Genomes* **2**: 225-239
- 35 Cao, C.P., Gailing, O., Siregar, I., Indrioko, S., **Finkeldey, R.** (2006). Genetic variation at AFLPs for the Dipterocarpaceae and its relation to molecular phylogenies and taxonomic subdivisions. *Journal of Plant Research* **119**: 553-558

- 34 Dučić T., Leinemann, L., **Finkeldey, R.**, Polle, A. (2006). Uptake and translocation of manganese in seedlings of two varieties of Douglas Fir (*Pseudotsuga menziesii* var. *viridis* and *glauca*). *New Phytologist* **170**: 11-20
- 33 Hoebee, S.E., Menn, C., Rotach, P., **Finkeldey, R.**, Holderegger, R. (2006). Spatial genetic structure of *Sorbus torminalis*: the extent of clonal reproduction in natural stands of a rare tree species with a scattered distribution. *Forest Ecology and Management* **226**: 1-8.
- 32 Indrioko, S., Gailing, O., **Finkeldey, R.** (2006). Molecular phylogeny of Dipterocarpaceae in Indonesia based on chloroplast DNA. *Plant Systematics and Evolution* **261**: 99-115
- 31 Luo, Z.W., Zhang, Z., Pandey, M., Gailing, O., Hattemer, H.H., and **Finkeldey, R.** (2006). Modeling population genetic data in autotetraploid species. *Genetics* **172**: 639-646
- 30 Rachmayanti, Y., Leinemann, L., Gailing, O., **Finkeldey R.** (2006). Extraction, amplification and characterization of wood DNA from Dipterocarpaceae. *Plant Molecular Biology Reporter* **24**: 45-55
- 29 Stefenon, V.M., Gailing, O., **Finkeldey, R.** (2006). Phylogenetic relationship within genus *Araucaria* (Araucariaceae) assessed by means of AFLP fingerprints. *Silvae Genetica* **55**: 45-52
- 2005**
- 28 Gailing, O., Kremer, A., Steiner, W., Hattemer, H.H., and **Finkeldey, R.** (2005). Results on quantitative trait loci for flushing date in oaks can be transferred to different segregating progenies. *Plant Biology* **7**: 516-525
- 27 Holderegger, R., Angelone, S., Brodbeck, S., Csencsics, D., Gugerli, F., Hoebee, S.E., and **Finkeldey, R.** (2005). Application of a genetic marker set for the discrimination of pure European Black Poplar (*Populus nigra*) from American Black Poplar (*P. deltoides*) and Hybrid Poplars (*P. x euramericana*). *Trees - Structure and Function* **19**: 743-748
- 26 Lara-Gomez, G., Gailing, O., and **Finkeldey, R.** (2005). Genetic variation in isolated Mexican populations of the endemic marple *Acer skutchii* Rehd. *Allgemeine Forst- und Jagdzeitung* **176**: 97-103
- 25 Mottura, M.C., **Finkeldey, R.**, Verga, A.R., and Gailing, O. (2005). Development and characterization of microsatellite markers for *Prosopis chilensis* and *Prosopis flexuosa* and cross-species amplification. *Molecular Ecology Notes* **5**: 487-489
- 24 Nascimento de Souza, S., **Finkeldey, R.**, and Gailing, O. (2005). Experimental verification of microsatellite null alleles in Norway spruce (*Picea abies* (L.) Karst.) in population genetic analysis. *Plant Molecular Biology Reporter* **23**: 113-119
- 23 Papageorgiou, A.C., **Finkeldey, R.**, Hattemer, H.H., and Xenopoulos, S. (2005). Genetic differences between autochthonous and breeding populations of common cypress (*Cupressus sempervirens* L.) in Greece. *European Journal of Forest Research* **124**: 119-124
- 2004**
- 22 Cao, C.-P., Leinemann, L., Ziehe, M., **Finkeldey, R.** (2004). Untersuchungen zur genetischen Variation und Differenzierung von Eibenbeständen mit Hilfe von Isoenzym- und DNS-Markern. *Allgemeine Forst- und Jagdzeitung* **175**: 21-28
- 21 Curtu, A.-L., **Finkeldey, R.**, Gailing, O. (2004). Comparative sequencing of a microsatellite locus reveals size homoplasy within and between European oak species (*Quercus* spp.). *Plant Molecular Biology Reporter* **22**: 339-346
- 20 **Finkeldey, R.** and Ziehe, M. (2004). Genetic implications of silvicultural regimes. *Forest Ecology and Management* **197**: 231-244
- 19 Mottura, M., Gailing, O., Verga, A.R., **Finkeldey, R.** (2004). Efficiency of microsatellite enrichment in *Prosopis chilensis* using magnetic capture. *Plant Molecular Biology Reporter* **22**: 251-258

- 18 Pandey, M., Gailing, O., Leinemann, L., **Finkeldey, R.** (2004). Molecular markers provide evidence for long-distance planting material transfer during plantation establishment of *Dalbergia sissoo* Roxb. in Nepal. *Annals of Forest Science* **61**: 603-606
- 17 Pandey, M., Gailing, O., Fischer, D., Hattemer, H.H. **Finkeldey, R.** (2004). Characterization of microsatellite markers in sycamore (*Acer pseudoplatanus* L.). *Molecular Ecology Notes* **4**: 253-255
- 16 Vornam, B., Kuchma, O., Kuchma, N., Arkhipov, A., **Finkeldey, R.** (2004). SSR markers as tools to reveal mutation events in Scots pine (*Pinus sylvestris* L.) from Chernobyl. *European Journal of Forest Research* **123**: 245-248

2003 and earlier

- 15 **Finkeldey, R.**, and G. Mátyás (2003). Genetic variation of oaks (*Quercus* spp.) in Switzerland. 3. Lack of impact of postglacial recolonization history on nuclear gene loci. *Theoretical and Applied Genetics* **106**: 346-352
- 14 Gailing, O., Wachter, H., Leinemann, L., Hosius, B., **Finkeldey, R.**, Schmitt, H.-P., Heyder J. (2003). Charakterisierung verschiedener Ursprungsgebiete der Späteiche (*Quercus robur* L.) mit Hilfe von DNS-Markern aus dem Chloroplastengenom. *Allgemeine Forst- und Jagdzeitung* **174**: 227-230
- 13 Kremer, A., J.L. Dupouey, J.D. Deans, J. Cottrell, U. Csaikl, **R. Finkeldey**, S. Espinel, J. Jensen, J. Kleinschmit, B. Van Dam, A. Ducouso, I. Forrest, U. Lopez de Heredia, A.J. Lowe, M. Tutkova, R.C. Munro, S. Steinhoff and V. Badeau (2002). Leaf morphological differentiation between *Quercus robur* and *Quercus petraea* is stable across western European mixed oak stands. *Annals of Forest Science* **59**: 777 - 787
- 12 Petit, R., S. Brewer, S. Bordács, K. Burg, R. Cheddadi, E. Coart, J. Cottrell, U. Csaikl, B. van Dam, D. Deans, S. Espinel, S. Fineschi, **R. Finkeldey**, I. Glaz, P.G. Goicoechea, J.S. Jensen, A.O. König, A.J. Lowe, S.F. Madsen, G. Mátyás, R.C. Munro, F. Popescu, D. Slade, H. Tabbener, S.G.M. de Vries, B. Ziegenhagen, J.-L. de Beaulieu and A. Kremer (2002). Identification of refugia and post-glacial colonisation routes of European white oaks based on chloroplast DNA and fossil pollen evidence. *Forest Ecology and Management* **156**: 49-74
- 11 Petit, R., U. Csaikl, S. Bordács, K. Burg, E. Coart, J. Cottrell, B. van Dam, D. Deans, S. Dumolin-Lapègue, S. Fineschi, **R. Finkeldey**, A. Gillies, I. Glaz, P.G. Goicoechea, J.S. Jensen, A.O. König, A.J. Lowe, S.F. Madsen, G. Mátyás, R.C. Munro, M. Olalde, M.-H. Pemonge, F. Popescu, D. Slade, H. Tabbener, D. Turchini, S.G.M. de Vries, B. Ziegenhagen and A. Kremer (2002). Chloroplast DNA variation in European white oaks. Phylogeography and patterns of diversity based on data from over 2600 populations. *Forest Ecology and Management* **156**: 5-26
- 10 **Finkeldey, R.** (2001). Genetic variation of oaks (*Quercus* spp.) in Switzerland. 1. Allelic diversity and differentiation at isozyme gene loci. *Forest Genetics* **8**: 185-195
- 9 **Finkeldey, R.** (2000). Genetic variation of oaks (*Quercus* spp.) in Switzerland. 2. Genetic structures in "pure" and "mixed" forests of pedunculate oak (*Q. robur* L.) and sessile oak (*Q. petraea* (Matt.) Liebl.). *Silvae Genetica* **50**: 22-30
- 8 Murillo, O., and **R. Finkeldey** (2000). Genetic diversity in natural populations of *Alnus acuminata* ssp. *arguta* (Schlectendal) Furlow in Costa Rica and Panama. *Forest Genetics* **7**: 121-131
- 7 **Finkeldey, R.**, and O. Murillo (1999). Contributions of subpopulations to total gene diversity. *Theoretical and Applied Genetics* **98**: 664-668
- 6 **Finkeldey, R.**, N. De Guzman and S. Changtragoon (1999). The mating system of *Pterocarpus indicus* Willd. at Mt. Makiling, Philippines. *Biotropica* **31**: 525-530
- 5 **Finkeldey, R.**, N. De Guzman and S. Changtragoon (1998). Inheritance of isozyme phenotypes in *Pterocarpus indicus* Willd. *Forest Genetics* **5**: 165-170
- 4 **Finkeldey, R.** (1995). Homogeneity of pollen allele frequencies of single seed trees in *Picea abies* (L.) Karst. plantations. *Heredity* **74**: 451-463
- 3 **Finkeldey, R.** (1994). A simple derivation of the partitioning of genetic variation within subdivided populations. *Theoretical and Applied Genetics* **89**: 198-200

- 2 **Finkeldey, R.** (1992). The hybrid origin of *Paulownia taiwaniana* Hu & Chang. Evidence from isozyme gene markers. *Silvae Genetica* **41**: 278-282
- 1 **Finkeldey, R.** (1992). Inheritance of isozyme phenotypes of the native *Paulownia* spp. in Taiwan. *Journal of Heredity* **83**: 140-143

SELECTED OTHER PUBLICATION WITH OR WITHOUT PEER-REVIEW

- 24 **Finkeldey, R.,** Vornam, B. und Kuchma, O. (2012). Genetische Reaktionen auf extreme Umweltveränderungen am Beispiel von Kiefern bei Tschernobyl. *Forstarchiv* 83: 41-47
- 23 Kremer A., B. Vinceti, R. Alia, J. Burczyk, S. Cavers, B. Degen, **R. Finkeldey**, S. Fluch, D. Gömöry, F. Gugerli, H.P. Koelwijn, J. Koskela, F. Lefèvre, M. Morgante, G. Mueller-Starck, C. Plomion, G. Taylor, J. Turok, O. Savolainen and B. Ziegenhagen (2011). Forest ecosystem genomics and adaptation: EVOLTREE conference report. *Tree Genetics and Genomes* 7: 869-875
- 22 **Finkeldey R.** (2011). Management of forest genetic resources. In Günter, S., Weber, M., Stimm, B., Mosandl, R. (eds.): *Silviculture in the Tropics*. Springer, Berlin, Heidelberg. pp. 103-107
- 21 **Finkeldey, R.** (2010). Genetische Variation im Wald (Editorial). *Schweizerische Zeitschrift für Forstwesen* 161: 193
- 20 **Finkeldey, R.** (2010). Kleines genetisches Glossar. *Schweizerische Zeitschrift für Forstwesen* 161: 194-197
- 19 **Finkeldey, R.** (2010). Genetik, Ökologie, Forstwirtschaft: Zusammenhänge und Perspektiven. *Schweizerische Zeitschrift für Forstwesen* 161: 198 - 206
- 18 Gailing, O., B. Vornam, L. Leinemann, A.L. Curtu und **R. Finkeldey** (2010). Genetische Ansätze zur Charakterisierung adaptiver genetischer Variation bei Eichen. *Forstarchiv* 81: 150-155
- 17 Vornam, B., O. Gailing und **R. Finkeldey** (2010). Natürliche Nukleotid-Diversität von Kandidatengenen für den Blattaustrieb der Traubeneiche (*Quercus petraea*). *Forstarchiv* 81: 146-149
- 16 **Finkeldey, R.** and H.H. Hattmer (2010). Genetische Variation in Wäldern – Wo stehen wir? *Forstarchiv* 81: 123-129
- 15 **Finkeldey, R.,** and H.H. Hattmer (2007). *Tropical Forest Genetics*. Springer, Berlin, Heidelberg, New York. 315pp.
- 14 **Finkeldey, R.,** Y. Rachmayanti, and O. Gailing (2007). Molecular genetic tools for the identification of the origin of wood. In Kües, U. (ed.): *Wood Production, Wood Technology and Biotechnological Impacts*. Universitätsverlag Göttingen, Göttingen. pp. 143-158.
- 13 **Finkeldey, R.,** O. Gailing, H.H. Hattmer, und B. Vornam (2007). Molekulare Analyse von Pflanzenteilen in der Forensik. In Herrmann, B., und K.-S. Saternus (Hrsg.): *Biologische Spurenkunde*. Band 1. Kriminalbiologie. Springer, Berlin, Heidelberg. S. 343-362.
- 12 **Finkeldey, R.** (2002). Reproduction in continuous cover forests - the geneticist's perspective. In K. von Gadow, J. Nagel and J. Saborowski (eds.): *Continuous Cover Forestry. Assessment, Analysis, Scenarios*. Kluwer, Dordrecht, Boston, New York. pp. 67-79.
- 11 **Finkeldey, R.** (2001). Forschung zur Vielfalt, vielfältige Forschung: Ziele und Wege der Forstgenetik. *Schweizerische Zeitschrift für Forstwesen* **152**: 162-168
- 10 **Finkeldey, R.** und P. Bonfils (2001). Genetische Variation in Eichenbeständen (*Quercus* spp.) der Schweiz. In H. Wolf (eds.): *Nachhaltige Nutzung forstgenetischer Ressourcen. Tagungsbericht zur 24. Internationalen Tagung der Arbeitsgem. f. Forstgenetik u. Forstpflanzenzüchtung*. Sächsische Landesanstalt für Forsten, Pirna, Germany. pp. 203-211.
- 9 Hattmer, H.H., M. Ziehe, **R. Finkeldey** and M. Fromm (2001). Genetic diversity and differentiation of individual effective pollen clouds in trees. In G. Müller-Starck and R. Schubert (eds.): *Genetic Response of Forest Systems to Changing Environmental Conditions*. Kluwer, Dordrecht, The Netherlands. pp. 223-237.

- 8 Changtragoon, S., and **R. Finkeldey** (2000). Der Nutzen von Genmarkern für die Erhaltung forstgenetischer Ressourcen in Thailand. *Forest Snow and Landscape Research* **75**: 153-162
- 7 **Finkeldey, R.**, G. Mátyás, C. Sperisen and P. Bonfils (2000). Strategien zur Auswahl forstlicher Genreservate in der Schweiz. *Forest Snow and Landscape Research* **75**: 137-152
- 6 **Finkeldey, R.**, and G. Mátyás (1999). Assessment of population history and adaptive potentials by means of gene markers. In C. Mátyás (eds.): *Forest Genetics and Sustainability*. Kluwer Academic Publishers, Dordrecht, Boston, London. pp. 91-104.
- 5 Bonfils, P. und **R. Finkeldey** (1998). Das schweizerische Programm zur Erhaltung forstgenetischer Ressourcen. In T. Geburek and B. Heinze (eds.): *Erhaltung genetischer Ressourcen in Wald - Normen, Programme, Maßnahmen*. Ecomed, Landsberg. pp. 136-150.
- 4 **Finkeldey, R.** (1994). The significance of international co-operation for the conservation of forest genetic resources. In Y. K. Park, and S. Sakamoto (eds.): *Proceedings of the International Seminar on Genetic Conservation and Utilization of Biodiversity, Taegu, Korea, October 1994*. Institute of Agricultural Science and Technology, Kyungpook National University, Taegu, Korea. pp. 29-65.
- 3 **Finkeldey, R.**, and H.H. Hattemer. (1993). Gene resources and gene conservation with emphasis on tropical forests. FAO/IBPGR Plant Genetic Resources Newsletter **94/95**: 5-10
- 2 **Finkeldey, R.** (1993). *Die Bedeutung allelischer Profile für die Konservierung genetischer Ressourcen bei Waldbäumen*. Göttingen Research Notes in Forest Genetics No. 13. Göttingen: Abteilung für Forstgenetik und Forstpflanzenzüchtung. 176 + IX S.
- 1 **Finkeldey, R.** (1992). Auswahlkriterien und Anlage genetischer Ressourcen bei der Fichte (*Picea abies* (L.) Karst.). *Forstarchiv* **63**: 25-32