

## Publications from 2006 to 2017

851	Leinemann, L., Hosius, B., Bergmann, F., Arenhövel, W., Rogge, M., Voth, W. & O. Gailing. 2017. DNS-Genmarker Analysen an Uralteichen in verschiedenen Regionen Deutschlands. <i>Allgemeine Forst- und Jagdzeitung</i> 188:210-221.
850	Müller M, Finkeldey R (2017) Genetic and adaptive trait variation in seedlings of European beech provenances from Northern Germany. <i>Silvae Genetica</i> 65, 65-73. doi: 10.1515/sg-2016-0018
849	Wu, Y., R. Zhang, R., Staton, M., Schlarbaum, S.E., Coggeshall, M.V., Romero-Severson, J., Carlson, J.E., Zembower, N., Liang, H., Xu, Y., Drautz-Moses, D.I., Schuster, S.C & O. Gailing. 2017. Development of genic and genomic microsatellites in <i>Gleditsia triacanthos</i> L. (Fabaceae) using Illumina sequencing. <i>Annals of Forest Research</i> 60:343-350.
848	Harmon, M., Lane, T., Staton, M., Coggeshall, M.V., Best, T., Chen, C.-C., Liang, H., Zembower, N., Drautz-Moses, D.I., Hwee, Y. Z., Schuster, S.C., Schlarbaum, S.E., John E. Carlson, J.E. & O. Gailing. Development of novel genic microsatellite markers from transcriptome sequencing in sugar maple ( <i>Acer saccharum</i> Marsh.). <i>BMC Research Notes</i> 10:369
847	Khodwekar, S. & O. Gailing. 2017. Evidence for environment-dependent introgression of adaptive genes between two red oaks species with different drought adaptations. <i>American Journal of Botany</i> 104: 1088-1098.
846	Nuroniah, H.S., Gailing, O. & R. Finkeldey. 2017. Development of a diagnostic DNA marker for the geographic origin of <i>Shorea leprosula</i> . <i>Holzforschung. International Journal of the Biology, Chemistry, Physics, and Technology of Wood</i> 71:1-10.
845	Leinemann, L., Hosius, B., Bergmann, F., Arenhövel, W., Rogge, M., Voth, W. & O. Gailing. 2017. DNS-Genmarker Analysen an Uralteichen in verschiedenen Regionen Deutschlands. <i>Allgemeine Forst- und Jagdzeitung</i> 188:210-221.
844	Semerikov, V.L., S.A. Semerikova, Y.A. Putintseva, V. V. Tarakanov, I. V. Tikhonova, A. I. Vidyakin, N.V. Oreshkova, and K.V. Krutovsky, 2017 Colonization history of Scots pine in Eastern Europe and North Asia based on mitochondrial DNA variation. <i>Tree Genetics and Genomes</i> (accepted)
843	Johnson, J.S., P. Chhetri, K. V. Krutovsky, and D. M. Cairns, 2017 Growth and Its Relationship to Individual Genetic Diversity of Mountain Hemlock ( <i>Tsuga mertensiana</i> ) at Alpine Treeline in Alaska: Combining Dendrochronology and Genomics. <i>Forests</i> 8(11): 418; doi: 10.3390/f8110418; <a href="http://www.mdpi.com/1999-4907/8/11/418">http://www.mdpi.com/1999-4907/8/11/418</a>
842	Moskalev, A. A., A. V. Kudryavtseva, A. S. Grafodatsky, V. R. Beklemisheva, N. A. Serdyukova, K. V. Krutovsky, V. V. Sharov, I. V. Kulakovskiy, A. S. Lando, A. S. Kasianov, A. V. Snezhkina <sup>1</sup> , D. A. Kuzmin, Y. A. Putintseva, S. I. Feranchuk, M. V. Shaposhnikov, V. Fraifeld <sup>1</sup> , M. Toren, V. V. Sitnik. 2017. De novo assembling and primary analysis of genome and transcriptome of gray whale <i>Eschrichtius robustus</i> . <i>BMC Evolutionary Biology</i> 17(Suppl 2):258; <a href="https://doi.org/10.1186/s12862-017-1103-z">https://doi.org/10.1186/s12862-017-1103-z</a>
841	Ali, H. B. M., A. Abubakari, M. Wiehle, K. V. Krutovsky, 2017 Gene-specific sex-linked genetic markers in date palm ( <i>Phoenix dactylifera</i> L.). <i>Genetic Resources and Crop Evolution</i> (on line first); doi: 10.1007/s10722-017-0564-7; <a href="https://link.springer.com/article/10.1007/s10722-017-0564-7">https://link.springer.com/article/10.1007/s10722-017-0564-7</a>
840	Oreshkova, Yu. A. Putintseva, V. V. Sharov, D. A. Kuzmin, and K. V. Krutovsky, 2017 Development of Microsatellite Genetic Markers in Siberian larch ( <i>Larix sibirica</i> Ledeb.) Based on the De Novo Whole Genome Sequencing. <i>Russian Journal of Genetics</i> 53(11): 1194–1199; doi: 10.1134/S1022795417110096; <a href="https://doi.org/10.1134/S1022795417110096">https://doi.org/10.1134/S1022795417110096</a>
839	Abdulai, I., K. V. Krutovsky, R. Finkeldey, 2017 Morphological and genetic diversity of Shea tree ( <i>Vitellaria paradoxa</i> ) in the Savannah regions of Ghana. <i>Genetic Resources and Crop Evolution</i> 64(6):1253–1268; doi: 10.1007/s10722-016-0434-8; <a href="https://link.springer.com/article/10.1007/s10722-016-0434-8">https://link.springer.com/article/10.1007/s10722-016-0434-8</a>

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837	Johnson, J.S., K. D. Gaddis, D. M. Cairns, K. Konganti, and K. V. Krutovsky, 2017 Landscape genomic insights into the historic migration of mountain hemlock in response to Holocene climate change. <i>American Journal of Botany</i> 104(3): 439-450; doi: 10.3732/ajb.1600262; <a href="http://www.amjbot.org/content/104/3/439.short">http://www.amjbot.org/content/104/3/439.short</a>
836	Johnson, J.S., K. D. Gaddis, D. M. Cairns, and K. V. Krutovsky, 2017 Seed dispersal at alpine treeline: an assessment of seed movement within the alpine treeline ecotone. <i>Ecosphere</i> 8(1):e01649; doi: 10.1002/ecs2.1649; <a href="http://onlinelibrary.wiley.com/doi/10.1002/ecs2.1649/full">http://onlinelibrary.wiley.com/doi/10.1002/ecs2.1649/full</a>
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833	Johnson, J.S., K. D. Gaddis, D. M. Cairns, and K. V. Krutovsky, 2017 Seed dispersal at alpine treeline: an assessment of seed movement within the alpine treeline ecotone. <i>Ecosphere</i> 8(1):e01649. doi: 10.1002/ecs2.1649
832	Lu, M., K. V. Krutovsky, C.D. Nelson, T. E. Koralewski, T. D. Byram, and C. A. Loopstra, 2016 Exome genotyping, linkage disequilibrium and population structure in loblolly pine ( <i>Pinus taeda</i> L.). <i>BMC Genomics</i> 17:730; doi: 10.1186/s12864-016-3081-8; <a href="http://rdcu.be/nmd3">http://rdcu.be/nmd3</a> , <a href="http://www.biomedcentral.com/content/pdf/s12864-016-3081-8.pdf">http://www.biomedcentral.com/content/pdf/s12864-016-3081-8.pdf</a>
831	Koralewski, T. E., M. Mateos, and K. V. Krutovsky, 2016 Conflicting genomic signals affecting phylogenetic inference in four species of North American pines. <i>AoB Plants</i> 8: plw019; doi:10.1093/aobpla/plw019; <a href="http://aobpla.oxfordjournals.org/content/8/plw019.full.pdf+html">http://aobpla.oxfordjournals.org/content/8/plw019.full.pdf+html</a>
830	Johnson, J.S., K. D. Gaddis, D. M. Cairns, C. W. Lafon, and K. V. Krutovsky, 2016 Plant responses to global change: Next generation biogeography. <i>Physical Geography</i> 37(2): 93–119; doi: 10.1080/02723646.2016.1162597; <a href="https://doi.org/10.1080/02723646.2016.1162597">https://doi.org/10.1080/02723646.2016.1162597</a>
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828	Minn, Y., Gailing, O. & R. Finkeldey. 2016. Genetic diversity and structure of teak ( <i>Tectona grandis</i> Linn. f.) and dahat ( <i>Tectona hamiltoniana</i> Wall.) based on chloroplast microsatellites and Amplified Fragment Length Polymorphism markers. <i>Genetic Resources and Crop Evolution</i> 63: 961-974.
827	Lu, M., K. V. Krutovsky, C.D. Nelson, T. E. Koralewski, T. D. Byram, and C. A. Loopstra, 2016 Exome genotyping, linkage disequilibrium and population structure in loblolly pine ( <i>Pinus taeda</i> L.). <i>BMC Genomics</i> 17:730 ( <a href="http://rdcu.be/nmd3">http://rdcu.be/nmd3</a> , <a href="http://www.biomedcentral.com/content/pdf/s12864-016-3081-8.pdf">http://www.biomedcentral.com/content/pdf/s12864-016-3081-8.pdf</a> )
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821	Krutovsky K.V., Romashkina I.V., Razdaivodin A.N., Radin A.I., Romashkin D.Y. Study of genetic mutations and fluctuating asymmetry in Scots pine ( <i>Pinus sylvestris</i> L.) and silver birch ( <i>Betula pendula</i> Roth) populations growing under the chronic radioactive contamination. In Proceedings of the International Conference and School for Young Scientists ?Factors of plant and microorganism resistance in extremal nature conditions and technogenic environment?, p. 254-255. September 12-15, 2016, Irkutsk, Russia ( <a href="http://www.sifibr.irk.ru/en/institute/163-institute/news/announces/798-2016-03-29.html">http://www.sifibr.irk.ru/en/institute/163-institute/news/announces/798-2016-03-29.html</a> ; <a href="http://www.sifibr.irk.ru/images/conference/2016-09-19/sbornik_materialov_conf2016.pdf">http://www.sifibr.irk.ru/images/conference/2016-09-19/sbornik_materialov_conf2016.pdf</a> )
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815	Dempfle, L., Frese, L., Gregorius, H.-R., Janßen, A., Wedekind, H. (Hrsg.) (2016) Nachhaltige Züchtung: Betrachtungen zum Umgang mit genetischen Ressourcen in Nutzungssystemen - Pflanzenbau - Tierproduktion - Forst- und Fischereiwesen. Agrobiodiversität   Band 38 - Schriftenreihe des Informations- und Koordinationszentrums für Biologische Vielfalt, Bundesanstalt für Landwirtschaft und Ernährung, Berlin, 2016. E-paper <a href="http://www.genres.de//fileadmin/SITE_GENRES/downloads/schriftenreihe/NHZ_fuer_Schriftenreihe_Band_38_Final.pdf">http://www.genres.de//fileadmin/SITE_GENRES/downloads/schriftenreihe/NHZ_fuer_Schriftenreihe_Band_38_Final.pdf</a>
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812	Johnson, J.S., K. D. Gaddis, D. M. Cairns, C. W. Lafon, and K. V. Krutovsky, 2016 Plant responses to global change: Next generation biogeography. <i>Physical Geography</i> ( <a href="http://dx.doi.org/10.1080/02723646.2016.1162597">http://dx.doi.org/10.1080/02723646.2016.1162597</a> )
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