

**Institut für Phytopathologie  
Christian-Albrechts-Universität Kiel**

**Bücher, Buchkapitel und begutachtete Publikationen  
Books, book chapters and peer-reviewed publications**

**2021**

**Begutachtete Publikationen:**

1. **Birr, T., Hasler, M., Verreet, J.-A. & Klink, H. (2021):** Temporal changes in sensitivity of *Zymoseptoria tritici* field populations to different fungicidal modes of action. *Agriculture* 11, 269.
2. **Birr, T., Jensen, T., Preußke, N., Sönnichsen, F.D., De Boevre, M., De Saeger, S., Hasler, M., Verreet, J.-A. & Klink, H. (2021):** Occurrence of *Fusarium* mycotoxins and their modified forms in forage maize cultivars. *Toxins* 13, 110.
3. **Bonkowski, M., Tarkka, M., Razavi, B.S., Schmidt, H., Blagodatskaya, E., Koller, R., Yu, P., Knief, C., Hochholdinger, F. & Vetterlein, D. (2021):** Spatiotemporal dynamics of maize (*Zea mays* L.) root growth and its potential consequences for the assembly of the rhizosphere microbiota. *Frontiers in Microbiology* 12, 619499.
4. **de Mello, F.E., Lopes-Caitar, V.S., Prudente, H., Xavier-Valencio, S.A., Franzenburg, S., Mehl, A., Marcelino-Guimaraes, F.C., Verreet, J.-A., Balbi-Peña, M.I. & Godoy, C.V. (2021):** Sensitivity of *Cercospora* spp. from soybean to quinone outside inhibitors and methyl benzimidazole carbamate fungicides in Brazil. *Tropical Plant Pathology* 46, 69-80.
5. **Greenfield, L.M., Razavi, B.S., Bilyera, N., Zhang, X.C. & Jones, D.L. (2021):** Root hairs and protein addition to soil promote leucine aminopeptidase activity of *Hordeum vulgare* L. *Rhizosphere* 18, 100329.
6. **Hosseini, S.S., Lakzian, A., Halajnia, A. & Razavi, B.S. (2021):** Optimization of EDTA and citric acid for risk assessment in the remediation of lead contaminated soil. *Rhizosphere* 17, 100277.
7. **Liu, S., Zhang, S.Y., Dungait, J.A.J., Quine, T.A. & Razavi, B.S. (2021):** Rare microbial taxa rather than phoD gene abundance determine hotspots of alkaline phosphomonoesterase activity in the karst rhizosphere soil. *Biology and Fertility of Soils* 57, 257-268.
8. **Ma, Z.Z., Zhang, X.C., Zheng, B.Y., Yue, S.C., Zhang, X.C., Zhai, B.N., Wang, Z.H., Zheng, W., Li, Z.Y., Zamanian, K. & Razavi, B.S. (2021):** Effects of plastic and straw mulching on soil microbial P limitations in maize fields: Dependency on soil organic carbon demonstrated by ecoenzymatic stoichiometry. *Geoderma* 388, 114928.
9. **Meng, X.T., Liao, H.K., Fan, H.X., Zhang, X.C., Li, Y.Y., Yao, H.Y. & Razavi, B.S. (2021):** The geographical scale dependence of diazotroph assembly and activity: Effect of a decade fertilization. *Geoderma* 386, 114923.
10. **Yu, P., He, X.M., Baer, M., Beirincx, S., Tian, T., Moya, Y.A.T., Zhang, X.C., Deichmann, M., Frey, F.P., Bresgen, V., Li, C.J., Razavi, B.S., Schaaf, G., von Wirén, N., Su, Z., Bucher, M., Tsuda, K., Goormachtig, S., Chen, X.P. & Hochholdinger, F. (2021):** Plant flavones enrich rhizosphere bacteria to improve maize performance under nitrogen deprivation. *Nature Plants* 7, <https://doi.org/10.1038/s41477-021-00897-y>.
11. **Zhang, X., Razavi, B.S., Liu, J., Wang, G., Zhang, X., Li, Z., Zhai, B., Wang, Z. & Zamanian, K (2021):** Croplands conversion to cash crops in dry regions:

consequences of nitrogen losses and decreasing nitrogen use efficiency for food chain system. *Land Degradation and Development* 32, 1103-1113.

**2020**

**Begutachtete Publikationen:**

1. **Bilyera, N., Kuzyakova, I., Guber, A., Razavi, B.S. & Kuzyakov, Y. (2020):** How "hot" are hotspots: Statistically localizing the high-activity areas on soil and rhizosphere images. *Rhizosphere* 16, 100259.
2. **Birr, T., Hasler, M., Verreet, J.-A. & Klink, H. (2020):** Composition and predominance of *Fusarium* species causing Fusarium head blight in winter wheat grain depending on cultivar susceptibility and meteorological factors. *Microorganisms* 8, 617.
3. **Hamer, W.B., Birr, T., Verreet, J.-A., Duttmann, R. & Klink, H. (2020):** Spatio-temporal prediction of the epidemic spread of dangerous pathogens using machine learning methods. *ISPRS International Journal of Geo-Information* 9, 44.
4. **Hoang, D.T.T., Maranguit, D., Kuzyakov, Y. & Razavi, B.S. (2020):** Accelerated microbial activity, turnover and efficiency in the drilosphere is depth dependent. *Soil Biology and Biochemistry* 147, 107852, 107910.
5. **Jensen, T., de Boevre, M., de Saeger, S., Preußke, N., Sönnichsen, F.D., Kramer, E., Klink, H., Verreet, J.-A. & Birr, T. (2020):** Effect of ensiling duration on the fate of deoxynivalenol, zearalenone and their derivatives in maize silage. *Mycotoxin Research* 36, 127-136.
6. **Koch, E., Zink, P., Pfeiffer, T., von Galen, A., Linkies, A., Drechsel, J. & Birr, T. (2020):** Artificial inoculation methods for testing microorganisms as control agents of seed- and soil-borne Fusarium-seedling blight of maize. *Journal of Plant Diseases and Protection* 127, 883-893.
7. **Kravchenko, A.N., Guber, A.K., Razavi, B.S., Koestel, J., Quigley, M.Y., Robertson, G.P. & Kuzyakov, Y. (2020):** Reply to: "Variables in the effect of land use on soil extrapore enzymatic activity and carbon stabilization" by Glenn (2020). *Nature Communications*, 11, 6427.
8. **Lin, W.F., Zhang, H., Huang, D.M., Schenke, D., Cai, D.G., Wu, B.H. & Miao, Y. (2020):** Dual-localized WHIRLY1 affects salicylic acid biosynthesis via coordination of ISOCHORISMATE SYNTHASE1, PHENYLALANINE AMMONIA LYASE1 and S-ADENOSYL-L-METHIONINE-DEPENDENT METHYLTRANSFERASE1. *Plant Physiology* 184, 1884-1899.
9. **Liu, S.B., Pu, S.Y., Deng, D.L., Huang, H.Y., Yan, C., Ma, H. & Razavi, B.S. (2020):** Comparable effects of manure and its biochar on reducing soil Cr bioavailability and narrowing the rhizosphere extent of enzyme activities. *Environment International* 134, 105277.
10. **Liu, S.B., Wang, J.Y., Pu, S.Y., Blagodatskaya, E., Kuzyakov, Y. & Razavi, B.S. (2020):** Impact of manure on soil biochemical properties: A global synthesis. *Science of the Total Environment* 745, 141003.
11. **Ndossi, E.M., Becker, J.N., Hemp, A., Dippold, M.A., Kuzyakov, Y. & Razavi, B.S. (2020):** Effects of land use and elevation on the functional characteristics of soil enzymes at Mt. Kilimanjaro. *European Journal of Soil Biology* 97, 103167.
12. **Pröbsting, M., Schenke, D., Hossain, R., Häder, C., Thurau, T., Wighardt, L., Schuster, A., Zhou, Z., Ye, W.Z., Rietz, S., Leckband, G. & Cai, D.G. (2020):** Loss-of-function of CRT1a (Calreticulin) reduces plant susceptibility to *Verticillium longisporum* in both *Arabidopsis thaliana* and oilseed rape (*Brassica napus*). *Plant Biotechnology Journal* 18, 2328-2344.
13. **Schenke, D. (2020):** CRISPR/Cas9 or prime editing? - It depends on... *Open Life Sciences* 15, 868-870.

14. **Schenke, D. & Cai, D.G. (2020):** Phytohormone crosstalk in the host-*Verticillium* interaction. *Plant Signaling and Behavior* 15, 1803567.
15. **Schenke, D. & Cai, D.G. (2020):** Applications of CRISPR/Cas to improve crop disease resistance: Beyond inactivation of susceptibility factors. *iScience* 23, 101478.
16. **Song, X.N., Razavi, B.S., Ludwig, B., Zamanian, K., Zang, H.D., Kuzyakov, Y., Dippold, M.A. & Gunina, A. (2020):** Combined biochar and nitrogen application stimulates enzyme activity and root plasticity. *Science of the Total Environment* 735, 139393.
17. **Tian, P., Razavi, B.S., Zhang, X.C., Wang, Q.K. & Blagodatskaya, E. (2020):** Microbial growth and enzyme kinetics in rhizosphere hotspots are modulated by soil organics and nutrient availability. *Soil Biology and Biochemistry* 141, 107662.
18. **Zhang, X., Kuzyakov, Y., Zang, H., Dippold, M.A., Shi, L., Spielvogel, S. & Razavi, B.S. (2020):** Rhizosphere hotspots: root hairs and warming control microbial efficiency, carbon utilization and energy production. *Soil Biology and Biochemistry* 148, 107872, 108061.

## 2019

### Begutachtete Publikationen:

1. **Behrens, F.H., Schenke, D., Hossain, R., Ye, W.Z., Schemmel, M., Bergmann, T., Häder, C., Zhao, Y., Ladewig, L., Zhu, W.X. & Cai, D.G. (2019):** Suppression of abscisic acid biosynthesis at the early infection stage of *Verticillium longisporum* in oilseed rape (*Brassica napus*). *Molecular Plant Pathology* 20, 1645-1661.
2. **Birr, T., Verreet, J.-A. & Klink, H. (2019):** Prediction of deoxynivalenol and zearalenone in winter wheat grain in a maize-free crop rotation based on cultivar susceptibility and meteorological factors. *Journal of Plant Diseases and Protection* 126, 13-27.
3. **Duan, C.J., Razavi, B.S., Shen, G.T., Cui, Y.X., Yu, W.L., Li, S.Q. & Fang, L.C. (2019):** Deciphering the rhizobium inoculation effect on spatial distribution of phosphatase activity in the rhizosphere of alfalfa under copper stress. *Soil Biology and Biochemistry* 137, 107574.
4. **Jensen, T., de Boevre, M., Preußke, N., de Saeger, S., Birr, T., Verreet, J.-A. & Sönnichsen, F.D. (2019):** Evaluation of high-resolution mass spectrometry for the quantitative analysis of mycotoxins in complex feed matrices. *Toxins* 11, 531.
5. **Kravchenko, A.N., Guber, A.K., Razavi, B.S., Koestel, J., Quigley, M.Y., Robertson, G.P. & Kuzyakov, Y. (2019):** Microbial spatial footprint as a driver of soil carbon stabilization. *Nature Communications* 10, 3121.
6. **Kuzyakov, Y. & Razavi, B.S. (2019):** Rhizosphere size and shape: Temporal dynamics and spatial stationarity. *Soil Biology and Biochemistry* 135, 343-360.
7. **Razavi, B.S., Zhang, X.C., Bilyera, N., Guber, A. & Zarebanadkouki, M. (2019):** Soil zymography: Simple and reliable? Review of current knowledge and optimization of the method. *Rhizosphere* 11, 10016.
8. **Schenke, D., Utami, H.P., Zhou, Z., Gallegos, M.-T. & Cai, D.G. (2019):** Suppression of UV-B stress induced flavonoids by biotic stress: Is there reciprocal crosstalk? *Plant Physiology and Biochemistry* 134, 53-63.
9. **Wei, L., Razavi, B.S., Wang, W.Q., Zhu, Z.K., Liu, S.L., Wu, J.S., Kuzyakov, Y. & Ge, T.D. (2019):** Labile carbon matters more than temperature for enzyme activity in paddy soil. *Soil Biology and Biochemistry* 135, 134-143.
10. **Yuan, H.Z., Liu, S.L., Razavi, B.S., Zhran, M., Wang, J.R., Zhu, Z.K., Wu, J.S. & Ge, T.D. (2019):** Differentiated response of plant and microbial C: N: P stoichiometries to phosphorus application in phosphorus-limited paddy soil. *European Journal of Soil Biology* 95, 103122.

11. **Zhong, X.B., Zhou, Q.Z., Cui, N., Cai, D.G. & Tang, G.X. (2019):** BvcZR3 and BvHs1pro-1 genes pyramiding enhanced beet cyst nematode (*Heterodera schachtii* Schm.) resistance in oilseed rape (*Brassica napus* L.). International Journal of Molecular Sciences 20, 1740.

## 2018

### Begutachtete Publikationen:

1. **Conrad, N., Brandes, M., Will, T., Verreet, J.-A., Ulber, B. & Heimbach, U. (2018):** Effects of insecticidal seed treatments and foliar sprays in winter oilseed rape in autumn on insect pests and TuYV infection. Journal of Plant Diseases and Protection 125, 557-565.
2. **Rudelt, J., Klink, H. & Verreet, J.-A. (2018):** Einfluss der Zugabe adhäsiver Additive in Beizlösungen auf das Fließverhalten von Getreidesaatgut. Journal für Kulturpflanzen 70, 158-162.
3. **Seychelles, L.H., Happe, S., Palacios, E., Ludwig, M., Hollmer, S., Ehlers, R.-U., Schulz, C. & Mercier, L. (2018):** Successful rearing of whiteleg shrimp *Litopenaeus vannamei* larvae fed a desiccation-tolerant nematode to replace *Artemia*. Aquaculture Nutrition 24, 903-910.
4. **Thomsen, G., Birr, T., Klink, H. & Verreet, J.-A. (2018):** Geographic distribution and disease severity of different *Rhizoctonia* species pathogenic towards maize in different regions in Germany and France. Journal of Plant Diseases and Protection 125, 461-468.
5. **Tillessen, A., Menkhaus, J. & Verreet, J.-A. (2017):** Development of specific PCR primers for diagnosis and quantitative detection of the fungal maize pathogen *Kabatiella zaeae*. European Journal of Plant Pathology 152, 503-506.

## 2017

### Begutachtete Publikationen:

1. **Guo, L.B., Qiu, J., Ye, C.Y., Jin, G.L., Mao, L.F., Zhang, H.Q., Yang, X.F., Peng, Q., Wang, Y.Y., Jia, L., Lin, Z.X., Li, G.M., Fu, F., Liu, C., Chen, L., Shen, E.H., Wang W.D., Chu, Q.J., Wu, D.Y., Wu, S.L., Xia, C.Y., Zhang, Y.F., Zhou, X.M., Wang, L.F., Wu, L.M., Song, W.J., Wang, Y.F., Shu, Q.Y., Aoki, D., Yumoto, E., Yokota, T., Miyamoto, K., Okada, K., Kim, D.-S., Cai, D.G., Zhang, C.L., Lou, Y.G., Qian, Q., Yamaguchi, H., Yamane, H., Kong, C.-H., Timko, M.P., Bai, L.Y. & Fan, L.J. (2017):** *Echinochloa crus-galli* genome analysis provides insight into its adaptation and invasiveness as a weed. Nature Communications 8, 1031.
2. **Rudelt, J., Klink, H. & Verreet, J.-A. (2017):** Einfluss der Zusammensetzung der Beizlösung auf die Staubentwicklung an Getreidesaatgut. Journal für Kulturpflanzen 69, 303-308.
3. **Shen, Y.F., Sun, S., Hua, S.J., Shen, E.H., Ye, C.-Y., Cai, D.G., Timko, M.P., Zhu, Q.-H. & Fan, L.J. (2017):** Analysis of transcriptional and epigenetic changes in hybrid vigor of allopolyploid *Brassica napus* uncovers key roles for small RNAs. Plant Journal 91, 874-893.
4. **Ullmann, I., Herrmann, A., Hasler, M. & Taube, F. (2017):** Influence of the critical phase of stem elongation on yield and forage quality of perennial ryegrass genotypes in the first reproductive growth. Field Crops Research 205, 23-33.

5. **Zhou, Z., Schenke, D., Miao, Y. & Cai, D.G. (2017):** Investigation of the crosstalk between the flg22 and the UV-B-induced flavonol pathway in *Arabidopsis thaliana* seedlings. *Plant, Cell and Environment* 40, 453-458.

## 2016

### Begutachtete Publikationen:

1. **Hamer, W.B., Verreet, J.-A. & Duttmann, R. (2016):** Räumliche und zeitliche Vorhersage der Eintrittswahrscheinlichkeit eines ertragsgefährdenden Mehltauereignisses an Winterweizen mit der Random-Forest-Methode. *Journal für Angewandte Geoinformatik* 2, 342-352.
2. **Hamer, W.B., Verreet, J.-A. & Duttmann, R. (2016):** Spatial prediction of the infestation risk of winter wheat by the pathogen *Blumeria graminis* f. sp. *tritici* (powdery mildew) in Schleswig-Holstein using semi-empirical and machine learning techniques. *GIS Science* 29, 140-148.
3. **Rüstner, W.K., Klink, H. & Verreet, J.-A. (2016):** Nachweis einer ALS-resistenten *Lolium perenne*-Population in Norddeutschland. *Journal für Kulturpflanzen* 68, 117-124.
4. **Ullmann, I., Herrmann, A., Hasler, M., Cai, D.G. & Taube, F. (2016):** Variability in the critical phase of stem elongation of perennial ryegrass genotypes: a source for breeding progress? *Journal of Agricultural Science* 154, 1002-1014.

## 2015

### Bücher/Buchkapitel:

1. **Verreet, J.-A. (2015):** Die Agrar- und Ernährungswissenschaftliche Fakultät. In: O. Auge (ed.): *Christian-Albrechts-Universität zu Kiel – 350 Jahre Wirken in Stadt, Land und Welt*, 313-328. Wachholtz, Kiel, Hamburg.

### Begutachtete Publikationen:

1. **Guo, L.B., Qiu, J., Han, Z.J., Ye, Z.H., Chen, C., Liu, C.J., Xin, X.F., Ye, C.-Y., Wang, Y.-Y., Xie, H.Q., Wang, Y., Bao, J.D., Tang, S., Xu, J., Gui, Y.J., Fu, F., Wang, W.D., Zhang, X.C., Zhu, Q.H., Guang, X.M., Wang, C.Z., Cui, H.F., Cai, D.G., Ge, S., Tuskan, G.A., Yang, X.H., Qian, Q., He, S.Y., Wang, J., Zhou, X.-P. & Fan, L.J. (2015):** A host plant genome (*Zizania latifolia*) after a century-long endophyte infection. *Plant Journal* 83, 600-609.
2. **Shen, E.H., Zou, J., Behrens, F.H., Chen, L., Ye, C.Y., Dai, S.T., Li, R.Y., Ni, M., Jiang, X.X., Qiu, J., Liu, Y., Wang, W.D., Zhu, Q.-H., Chalhoub, B., Bancroft, I., Meng, J.L., Cai, D.G. & Fan, L.J. (2015):** Identification, evolution, and expression partitioning of miRNAs in allopolyploid *Brassica napus*. *Journal of Experimental Botany* 66, 7241-7253.
3. **Tillner, R., Assheuer, T., Rennert, B., Trubiroha, A., Clemmesen, C. & Wuertz, S. (2015):** Evaluation of an improved RNA/DNA quantification method in a common carp (*Cyprinus carpio* Linnaeus 1758) larval feeding trial with *Artemia*, two nematodes (*Panagrellus redivivus* Linnaeus 1758, *Panagrolaimus* sp. Fuchs 1930) and dry feed. *Journal of Ichthyology* 31, 466-473.

## 2014

### Begutachtete Publikationen:

1. **Effendi, Y., Radatz, K., Labusch, C., Rietz, S., Wimalasekera, R., Helizon, H., Zeidler, M. & Scherer, G.F.E. (2014):** Mutants of phospholipase A (pPLA-I) have a red light and auxin phenotype. *Plant Cell and Environment* 37, 1626-1640.

2. **Schenke, D. & Cai, D.G. (2014):** The interplay of transcription factors in suppression of UV-B induced flavonol accumulation by flg22. *Plant Signaling and Behavior* 9, e28745.
3. **Schenke, D., Cai, D.G. & Scheel, D. (2014):** Suppression of UV-B stress responses by flg22 is regulated at the chromatin level via histone modification. *Plant, Cell and Environment* 37, 1716-1721.
4. **Shen, D., Suhrkamp, I., Wang, Y., Liu, S., Menkhaus, J., Verreet, J.-A., Fan, L. & Cai, D.G. (2014):** Identification and characterization of microRNAs in oilseed rape (*Brassica napus*) responsive to infection with the pathogenic fungus *Verticillium longisporum* using *Brassica* AA (*Brassica rapa*) and CC (*Brassica oleracea*) as reference genomes. *New Phytologist* 204, 577-594.
5. **Shen, D. & Wu, B. (2014):** Structure, biological properties and utilities of marine-derived antimicrobial peptides. *Current Organic Chemistry* 18, 793-803.

## 2013

### Bücher/Buchkapitel:

1. **Poehling, J.-M. & Verreet, J.-A. , eds. (2013):** Lehrbuch der Phytomedizin, 4. Auflage. Eugen Ulmer, Stuttgart.

### Begutachtete Publikationen:

1. **Anbesse, S. & Ehlers, R.-U. (2013):** *Heterorhabditis* sp. not attracted to synthetic (*E*)- $\beta$ -caryophyllene, a volatile emitted by roots upon feeding by corn rootworm. *Journal of Applied Entomology* 137, 88-96.
2. **Anbesse, S., Sumaya, N.H., Dörfler, A.V., Strauch, O. & Ehlers, R.-U. (2013):** Stabilisation of heat tolerance traits in *Heterorhabditis bacteriophora* through selective breeding and creation of inbred lines in liquid culture. *Biocontrol* 58, 85-93.
3. **Anbesse, S., Sumaya, N.H., Dörfler, A.V., Strauch, O. & Ehlers, R.-U. (2013):** Selective breeding for desiccation tolerance in liquid culture provides genetically stable inbred lines of the entomopathogenic nematode *Heterorhabditis bacteriophora*. *Applied Microbiology and Biotechnology* 97, 731-739.
4. **Ayub, F., Strauch, O., Seychelles, L. & Ehlers, R.-U. (2013):** Influence of temperature on life history traits of the free-living, bacterial-feeding nematode *Panagrolaimus* sp. strain NFS-24. *Nematology* 15, 939-946.
5. **Dong, S.Q., Tian, Z.H., Chen, P.J., Kumar, R.S., Shen, C.H., Cai, D.G., Oelmüller, R. & Yeh, K.W. (2013):** The maturation zone is an important target of *Piriformospora indica* in Chinese cabbage roots. *Journal of Experimental Botany* 64, 4529-4540.
6. **Honnens, H., Assheuer, T. & Ehlers, R.-U. (2013):** Desiccation and storage of *Panagrolaimus* sp. (strain NFS-24-5). *Nematology* 15, 557-566.
7. **Honnens, H. & Ehlers, R.-U. (2013):** Liquid culture of *Panagrolaimus* sp. for use as food for marine aquaculture shrimp and fish species. *Nematology* 15, 417-429.
8. **Honnens, H. & Ehlers, R.-U. (2013):** Cultivation of a free-living nematode *Panagrolaimus* sp. in batch and fed-batch liquid culture of *Saccharomyces cerevisiae* for larval food in marine aquaculture. *Russian Journal of Nematology* 21, 13-21.
9. **Nimkingrat, P., Khanam, S., Strauch, O. & Ehlers, R.-U. (2013):** Hybridisation and selective breeding for improvement of low temperature activity of the entomopathogenic nematode *Steinernema feltiae*. *Biocontrol* 58, 417-426.
10. **Nimkingrat, P., Strauch, O. & Ehlers, R.-U. (2013):** Hybridisation and genetic selection for improving desiccation tolerance of the entomopathogenic nematode *Steinernema feltiae*. *Biocontrol Science and Technology* 23, 348-361.
11. **Nimkingrat, P., Uhlmann, F., Strauch, O. & Ehlers, R.-U. (2013):** Desiccation tolerance of dauers of entomopathogenic nematodes of the genus *Steinernema*. *Nematology* 15, 451-458.

12. **Seychelles, L., Doiron, K., Audet, C., Tremblay, R., Pernet, F. & Lemarchand, K. (2013):** Impact of arachidonic acid enrichment of live rotifer prey on bacterial communities in rotifer and larval fish cultures. *Canadian Journal of Microbiology* 59, 189-196.
13. **Thurau, T., Beyer, M., Blanck, T. & Liu, X. (2013):** Transcriptional changes of putative *Fusarium graminearum* transporter sequences in response to trifloxystrobin and deoxynivalenol. *Journal of Plant Pathology* 95, S1.29-S1.37.
14. **Zinkernagel, V. & Verreet, J.-A. (2013):** Günter Martin Hoffmann Obituary. *Journal of Plant Diseases and Protection* 120, 95-96.
15. **Zinkernagel, V. & Verreet, J.-A. (2013):** Günter Martin Hoffmann – ein Nachruf. *Journal für Kulturpflanzen* 65, 334-335.

## 2012

### Bücher/Buchkapitel:

1. **Verreet, J.-A., Klink, H., Birr, T. & Urban, K. (2012):** Fusarium-Pilze an Mais. In: BASF SE (ed.): Mais – Potenziale einer bedeutenden Kultur richtig nutzen!, 150-165. Ludwigshafen, BASF SE.
2. **Verreet, J.-A. & Knott, J. (2012):** Das Risiko von Fusarium in Mais – Mykotoxine im Erntegut. In: BASF SE (ed.): Mais – Potenziale einer bedeutenden Kultur richtig nutzen!, 166-171. Ludwigshafen, BASF SE.

### Begutachtete Publikationen:

1. **Anbesse, S.A., Strauch, O. & Ehlers, R.-U. (2012):** Genetic improvement of the biological control nematode *Heterorhabditis bacteriophora* (Rhabditidomorpha: Heterorhabditidae): heterosis effect enhances desiccation but not heat tolerance through selective breeding and creation of inbred lines in liquid culture. *Biocontrol Science and Technology* 22, 1035-1045.
2. **Bakhali, A.H., Abd-El salam, K.A., Guo, J.R., Khiyami, M.A. & Verreet, J.-A. (2012):** Characterization of novel di-, tri-, and tetranucleotide microsatellite primers suitable for genotyping various plant pathogenic fungi with special emphasis on fusaria and *Mycosphaerella graminicola*. *International Journal of Molecular Sciences* 132, 2951-2964.
3. **Bao, J.D., Yao, J.Q., Zhu, J.Q., Hu, W.M., Cai, D.G., Li, Y., Shu, Q.Y. & Fan, L.J. (2012):** Identification of glutinous maize landraces and inbred lines with altered transcription of waxy gene. *Molecular Breeding* 30, 1707-1714.
4. **Hammoudi, O., Salman, M., Abuamsha, R. & Ehlers, R.-U. (2012):** Effectiveness of bacterial and fungal isolates to control *Phoma lingam* on oilseed rape *Brassica napus*. *American Journal of Plant Sciences* 3, 773-779.
5. **Kumar, A., Bhandari, A., Sinha, R., Sardar, P., Sushma, Goyal, P., Goswami, C. & Grapputo, A. (2012):** Molecular phylogeny of OVOL genes illustrates a conserved C2H2 zinc finger domain coupled by hypervariable unstructured regions. *PLOS One* 7, e39399.
6. **Rietz, S., Bernsdorff, F.E.M. & Cai, D.G. (2012):** Members of the germin-like protein family in *Brassica napus* are candidates for the initiation of an oxidative burst that impedes pathogenesis of *Sclerotinia sclerotiorum*. *Journal of Experimental Botany* 63, 5507-5519.
7. **Sardar, P., Kumar, A., Bhandari, A. & Goswami, C. (2012):** Conservation of tubulin-binding sequences in TRPV1 throughout evolution. *PLOS One* 7, e31488.
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