



Peer Reviewed Articles

1. K., **GINDRO** AND R. PEZET. Evidence for a constitutive cutinase in ungerminated conidia of *Botrytis cinerea* Pers.: Fr. FEMS MICROBIOLOGY LETTERS 149: 89-92 (1997).
2. K. **GINDRO** AND R. PEZET. Purification and characterization of a 40.8-kDa cutinase in ungerminated conidia of *Botrytis cinerea* Pers.: Fr. FEMS MICROBIOLOGY LETTERS 171: 239-243 (1999).
3. K. **GINDRO** AND R. PEZET. Effect of long-term storage at different temperatures on conidia of *Botrytis cinerea* Pers.: Fr. FEMS MICROBIOLOGY LETTERS 204: 101-104 (2001).
4. J. COTS, C. FARGEIX, K. **GINDRO**, AND F. WIDMER. Pathogenic attack and carbon reallocation in soybean leaves (*Glycine max. L.*): reinitiation of the glyoxylate cycle as a defence reaction. JOURNAL OF PLANT PHYSIOLOGY 159 (1): 91-96 (2002).
5. S. RIGOTTI, K. **GINDRO**, H. RICHTER AND O. VIRET. Characterization of molecular markers for specific and sensitive detection of *Botrytis cinerea* Pers.: Fr. in strawberry (*Fragaria X ananassa* Duch.) using PCR. FEMS MICROBIOLOGY LETTERS 209 (2): 169-174 (2002).
6. P. VAUCLARE, J. COTS, K. **GINDRO** AND F. WIDMER. The glyoxylate cycle as an essential step in carbon reallocation mechanisms. In: ADVANCES IN PLANT PHYSIOLOGY (review) vol. 5. Hemantaranjan, A. (ed.), Varanasi 221005, India,: pp. 97-132 (2003).
7. K. **GINDRO**, R. PEZET AND O. VIRET. Histological study of the responses of two *Vitis vinifera* cultivars (resistant and susceptible) to *Plasmopara viticola* infections. PLANT PHYSIOLOGY AND BIOCHEMISTRY 41 (9): 846-853 (2003).
8. R. PEZET, C. PERRET, J.B. JEAN-DENIS, R. TABACCHI, R., K. **GINDRO** AND O. VIRET. Delta-viniferin, a resveratrol dehydrodimer: One of the major stilbenes synthesized by stressed grapevine leaves. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 51 (18): 5488-5492 (2003).
9. C. FARGEIX, K. **GINDRO** AND F. WIDMER. Soybean (*Glycine max. L.*) and bacteroid glyoxylate cycle activities during nodular senescence. JOURNAL OF PLANT PHYSIOLOGY 161 (2): 183-190 (2004).
10. R. PEZET, O. VIRET, AND K. **GINDRO**. Plant microbe interaction: the *Botrytis* grey mould of grapes. Biology, Biochemistry, Epidemiology and control management. In: ADVANCES IN PLANT PHYSIOLOGY (review), vol. 7. Hemantaranjan, A. (ed.), Varanasi 221005, India, pp. 75-120 (2004).
11. R. PEZET, K. **GINDRO**, O. VIRET AND H. RICHTER. Effects of resveratrol, viniferins and pterostilbene on *Plasmopara viticola* zoospore mobility and disease development. VITIS 43 (2): 145-148 (2004).
12. R. PEZET, K. **GINDRO**, O. VIRET AND J.-L. SPRING. Glycosylation and oxidative dimerization of resveratrol are linked respectively to sensitivity and resistance of grapevine cultivars to downy mildew. PMPP 65 (6): 297-303 (2004).
13. K. **GINDRO**, R. PEZET, O. VIRET AND H. RICHTER. Development of a rapid and highly sensitive direct-PCR assay to detect a single conidium of *Botrytis cinerea* Pers.:Fr in vitro and quiescent forms in planta. VITIS 44(3): 139-142 (2005).
14. K. **GINDRO**, J.L. SPRING, R. PEZET, H. RICHTER, AND O. VIRET. Histological and biochemical criteria for objective and early selection of grapevine cultivars resistant to *Plasmopara viticola*. VITIS 45: 191-196 (2006).
15. H. RICHTER, R. PEZET, O. VIRET AND K. **GINDRO**. Characterization of 3 new partial stilbene synthase genes out of over 20 expressed in *Vitis vinifera* during the interaction with *Plasmopara viticola*. PHYSIOLOGICAL AND MOLECULAR PLANT PATHOLOGY 67: 248-260 (2006).
16. P. FREI, K. **GINDRO**, H. RICHTER, AND S. SCHUERCH. Direct-PCR Detection and Epidemiology of *Ramularia collo-cygni* associated with Barley Necrotic Leaf Spots. J. PHYTOPATHOLOGY 155: 281-288 (2007).
17. S. RIGOTTI, O. VIRET AND K. **GINDRO**. Two new primers highly specific for the detection of *Botrytis cinerea* Pers.: Fr. PHYTOPATH. MED. 4: 253-260 (2007).
18. B. MAUCH-MANI, AR. SLAUGHTER; MD. HAMIDUZZAMAN, K. **GINDRO** AND JM. NEUHAUS. Beta-aminobutyric acid-induced resistance in grapevine against downy mildew: Involvement of pterostilbene. EUROPEAN JOURNAL OF PLANT PATHOLOGY 122: 185-195 (2008).
19. S. SCHNEE, O. VIRET AND K. **GINDRO**. Role of stilbenes in the resistance of grapevine to powdery mildew. PMPP 72: 128-133 (2009).
20. S. GODARD, Y. SLACANIN, O. VIRET AND K. **GINDRO**. Induction of defence mechanisms in grapevine by emodin and anthraquinone rich plant extracts enhances resistance to downy mildew, PPB 47: 827-837 (2009).
21. G. GLAUSER, K. **GINDRO**, J. FRINGELI, J.P. DE JOFFREY, S. RUDAZ AND J-L WOLFENDER. Differential analysis of mycoalexins in confrontation zones of grapevine fungal pathogens by ultra-high pressure liquid



- chromatography/time-of-flight mass spectrometry and capillary nuclear magnetic resonance. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 57 (4): 1127-1134 (2009).
22. L. CASIERI, V. HOFSTETTER, V. VIRET AND K. **GINDRO**. Fungal communities associated with the wood of different cultivars of young *Vitis vinifera* plants. PHYTOPATH. MED., 48: 73-83 (2009).
 23. O. CARISSE, D. M. TREMBLAY, C. A. LEVESQUE, K. **GINDRO**, P. WARD, AND A. HOUE. Quantification of airborne conidia of *Botrytis squamosa* for management of Botrytis leaf blight using Real time quantitative PCR. PHYTOPATHOLOGY 99 (11): 1273-1280 (2009).
 24. SCHURCH S., **GINDRO** K., SCHUMPP O., VERRIER J., BOHNI N., MONOD M. AND WOLFENDER JL. Chemical warfare between fungi: an arsenal of bioactive molecule. AGRAFORSCHUNG (1): 11-12 (2010).
 25. ALONSO-VILLAVERDE V., VIRET O. AND **GINDRO** K. Downy mildew: is resistance linked to inoculum concentration? VITIS 50 (3): 127-129 (2011).
 26. ALONSO-VILLAVERDE V., VOINESCO F., VIRET O., SPRING JL. AND **GINDRO** K. The effectiveness of stilbenes in resistant *Vitaceae*: ultrastructural and biochemical events during *Plasmopara viticola* infection process. PPB 49 (3): 265-274. (2011)
 27. SCHUMPP O., BRUDERHÖFER N., **GINDRO** K. AND WOLFENDER JL. Non-host interactions to detect anti-*Fusarium* substances. PLANTA MEDICA 77 (12): 1447 (2011).
 28. STEFANO S., BERTRAND J., BOCCARD N., LEMONAKIS G., MARTI S., RUDAZ S., KOSTIDIS E., GIKAS AL., SKALTSOUNIS L., **GINDRO** K., HALABALAKI M. AND WOLFENDER JL. NMR- and UHPLC-MS based metabolomics for the discrimination of different resistant *Vitis vinifera* L. cultivar woods. PLANTA MEDICA 77 (12): 1391-1392 (2011).
 29. BERTRAND S., SCHUMPP O., BOHNI N., MONOD M., **GINDRO** K. AND WOLFENDER JL. Fungal co-culture as a new source of antifungal metabolites. PLANTA MEDICA 77 (12): 1234 (2011).
 30. BERTRAND S., SCHUMPP O., BOHNI N., MONOD M., **GINDRO** K. AND WOLFENDER JL. Fungal co-culture as a new source of antifungal metabolites. PLANTA MEDICA 78 (11): 1046 (2012).
 31. **GINDRO** K., ALONSO-VILLAVERDE V., VOINESCO F., SPRING JL., VIRET O. AND DUBUIS PH. Susceptibility to downy mildew in grape clusters: new microscopical and biochemical insights. PPB 52: 140-146 (2012).
 32. HALABALAKI M., BERTRAND S., STEFANO A., BOCCARD J., KOSTIDIS NS., RUDAZ S., GIKAS E., SKALTSOUNIS AL., MARTI G., **GINDRO** K. AND WOLFENDER JL. NMR- and UHPLC-MS correlation for identification of biomarkers from woods of *Vitis vinifera* cultivar resistant to pathogens. PLANTA MEDICA 78 (11): 1061 (2012).
 33. MARTI G., ZUFFEREY V., **GINDRO** K., VIRET O. AND WOLFENDER JL. A comprehensive metabolomic study of wine from the Vaud Switzerland vineyard. PLANTA MEDICA 78 (11): 1263 (2012).
 34. SCHUMPP O., BRUDERHÖFER N., MONOD M., WOLFENDER JL. AND **GINDRO** K. UV induction of antifungal activity in plants. MYCOSES 55 (6): 507-513 (2012).
 35. STEIMETZ O., TROUVELOT S., **GINDRO** K., BORDIER A., POINSSOT B., ADRIAN M. AND DAIRE X. Influence of leaf position on induced resistance in grapevine against *Plasmopara viticola*. PHYSIOLOGICAL AND MOLECULAR PLANT PATHOLOGY 79: 89-96 (2012).
 36. HOFSTETTER V., BUYCK B., CROLL D., VIRET O., COULOUX A. AND **GINDRO** K.. What if esca disease of grapevine were not a fungal disease? FUNGAL DIVERSITY 54 (1): 51-67 (2012).
 37. VERRIER J., PRONINA M., PETER C., BONTEMS O., FRATTI M., SALAMIN K., SCHÜRCH S., **GINDRO** K., WOLFENDER JL., HARSHAM K. AND MONOD M. Identification of infectious agents in onychomycoses by PCR-terminal restriction fragment length polymorphism. JOURNAL OF CLINICAL MICROBIOLOGY 50(3): 553-61 (2012).
 38. **GINDRO** K., BERGER V., GODARD S., VOINESCO F., SCHNEE S., VIRET O. AND ALONSO-VILLAVERDE V. Protease inhibitors decrease the resistance of *Vitaceae* to *Plasmopara viticola*. PLANT PHYSIOLOGY AND BIOCHEMISTRY 60: 74-80 (2012).
 39. MARTI G., ZUFFEREY V., **GINDRO** K., VIRET O. AND WOLFENDER JL. A comprehensive metabolomic study of wine from the Vaud Switzerland vineyard. PLANTA MEDICA 78 (11): 1263 (2012).
 40. VAN LEEUWEN C., ROBY J.-P., ALONSO-VILLAVERDE V. AND **GINDRO** K. Impact of Clonal Variability in *Vitis vinifera* Cabernet franc on Grape Composition, Wine Quality, Leaf Blade Stilbene Content, and Downy Mildew Resistance. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 61: 19-24 (2013).
 41. SCHNEE S., QUEIROZ E. F., VOINESCO F., MARCOURT L., DUBUIS P.-H., WOLFENDER J.-L. AND **GINDRO** K. *Vitis vinifera* canes, a new source of antifungal compounds against *Plasmopara viticola*, *Erysiphe necator*, and *Botrytis cinerea*. JOURNAL OF AGRICULTURAL & FOOD CHEMISTRY 61: 5459-5467 (2013).



42. BERTRAND S., SCHUMPP O., BOHNI N., MONOD M., **GINDRO K.** AND WOLFENDER J.-L., 2013. *De Novo* Production of Metabolites by Fungal Co-culture of *Trichophyton rubrum* and *Bionectria ochroleuca*. JOURNAL OF NATURAL PRODUCTS 76: 1157-1165 (2013).
43. BERTRAND S., SCHUMPP O., BOHNI N., BUJARD A., AZZOLLINI A., MONOD M., **GINDRO K.** AND WOLFENDER J.-L. Detection of metabolite induction in fungal co-cultures on solid media by high-throughput differential ultra-high pressure liquid chromatography-time-of-flight mass spectrometry fingerprinting. JOURNAL OF CHROMATOGRAPHY. A 1292: 219-228 (2013).
44. SCHNEE S., ROUGEUX E., PEZET R., VIRET O. AND **GINDRO K.** Evidence for a constitutive cutinase in ungerminated conidia of *Erysiphe necator* Schwein. J. CYTOL. HISTOL. 4: 197 (2013).
45. BERTRAND S., SCHUMPP O., BOHNI N., MONOD M., **GINDRO K.** AND WOLFENDER JL. De novo production of metabolites by fungal co-culture of *Trichophyton rubrum* and *Bionectria ochroleuca*. JOURNAL OF NATURAL PRODUCTS 76 (6): 1157-1165 (2013).
46. BERTRAND S., PETIT C., MARCOURT L., HO R., **GINDRO K.**, MONOD M. AND WOLFENDER JL. HPLC Profiling with At-line Microdilution Assay for the Early Identification of Anti-fungal Compounds in Plants from French Polynesia. PHYTOCHEMICAL ANALYSIS 25 (2):106-112 (2014).
47. HALABALAKI M., BERTRAND S., STEFANO A., **GINDRO K.**, KOSTIDIS S., MIKROS E., SKALTSOUNIS LA. AND WOLFENDER JL. Sample Preparation Issues in NMR-based Plant Metabolomics: Optimisation for *Vitis* Wood Samples. PHYTOCHEMICAL ANALYSIS 25 (4): 350-356 (2014).
48. BERTRAND S., BOHNI N., SCHNEE S., SCHUMPP O., **GINDRO K.** AND WOLFENDER JL. Metabolite induction via microorganism co-culture: a potential way to enhance chemical diversity for drug discovery. BIOTECHNOLOGY ADVANCES 32 (6): 1180-1204 (2014).
49. PAOLOCCI M., MUGANU M., ALONSO-VILLAVERDE V. AND **GINDRO K.** Leaf morphological characteristics and stilbene production differently affect downy mildew resistance of *Vitis vinifera* varieties grown in Italy. VITIS 53 (3): 19-24 (2014).
50. FAVRE-GODAL Q., DORSAZ S., FERREIRA QUEIROZ E., CONAN C., MARCOURT L., EKO WARDOJO BP., VOINESCO F., BUCHWALDER A., **GINDRO K.**, SANGLARD D., AND WOLFENDER JL. Comprehensive approach for the detection of antifungal compounds using a susceptible strain of *Candida albicans* and confirmation of *in vivo* activity with the *Galleria mellonella* model. PHYTOCHEMISTRY 105: 68-78 (2014).
51. **GINDRO K.**, LECOULTRE N., MOLINO L., DE JOFFREY JP., SCHNEE S., VOINESCO F., ALONSO-VILLAVERDE V., VIRET O. AND DUBUIS PH. Development of rapid direct PCR assays to identify downy and powdery mildew and grey mold in *Vitis vinifera* tissues. JOURNAL INTERNATIONAL DE LA VIGNE ET DU VIN 48 : 261-268 (2014).
52. BERTRAND S., AZZOLLINI A., SCHUMPP O., BOHNI N., SCHRENZEL J., MONOD M., **GINDRO K.**, WOLFENDER JL. Multi-well fungal co-culture for *de novo* metabolite-induction in time-series studies based on untargeted metabolomics. MOLECULAR BIOSYSTEM 10 (9): 2289-98 (2014).
53. MARTI G., SCHNEE S., ANDREY Y., SIMOES-PIRES C., CARRUPT PA., WOLFENDER JL. AND **GINDRO K.** Study of leaf metabolome modifications induced by UV-C radiations in representative *Vitis*, *Cissus* and *Cannabis* species by LC-MS based metabolomics and antioxidant assays. MOLECULE 19 (9): 14004-14021 (2014).
54. ALLARD PM., PERISIC M., MEHL F., BOCCARD J., WONG YS., **GINDRO K.** AND WOLFENDER JL. Exploring the hidden biosynthetic potential of fungi – Evaluation of epigenetic modifications through metabolomics. PLANTA MEDICA 80 (16) (2014).
55. FAVRE-GODAL Q., FERREIRA QUEIROZ E., DORSAZ S., EBRAHIMI SN., MARCOURT L., **GINDRO K.**, HAMBURGER M., SANGLARD D. AND WOLFENDER JL. HPLC antifungal activity based profiling of *Swartzia simplex* and targeted MPLC isolation of its antifungal diterpenes. PLANTA MEDICA 80 (16) (2014).
56. FREI P. AND **GINDRO K.** *Ramularia collo-cygni*, a new pathogenic fungus of barley. AGRARFORSCHUNG 6 (5): 210-217 (2015).
57. ZUFFEREY V., SPRING JL., VOINESCO F., VIRET O. AND **GINDRO K.** Physiological and histological approaches to study berry shrivel in grapes. JOURNAL INTERNATIONAL DES SCIENCES DE LA VIGNE ET DU VIN 49: 113-125 (2015).
58. FAVRE-GODAL Q., DORSAZ S., FERREIRA QUEIROZ E., MARCOURT L., EBRAHIMI SN., ALLARD PM., VOINESCO F., HAMBURGER M., GUPTA MP., **GINDRO K.**, SANGLARD D. AND WOLFENDER JL. Anti-Candida cassane-type diterpenoids from the root bark of *Swartzia simplex*. J NAT PROD. 78 (12): 2994-3004 (2015).
59. CRETTON S., DORSAZ S., AZZOLLINI A., FAVRE-GODAL Q., MARCOURT L., EBRAHIMI SN., VOINESCO F., MICHELLOD E., SANGLARD D., **GINDRO K.**, WOLFENDER JL., CUENDET M. AND CHRISTEN P. Antifungal quinolone alkaloids from *Waltheria indica*. J NAT PROD. 79 (2): 300-307. (2016)



60. BOHNI N., HOFSTETTER V., **GINDRO K.**, BUYCK B., SCHUMPP O., BERTRAND S., MONOD M. AND WOLFENDER JL. Induction and occurrence of fusaric acid in solid medium co-cultures including *Fusarium* spp. MOLECULES 21 (3): 370 (2016).
61. VERDENAL T., SPANGENBERG JE., ZUFFERER V., LORENZINI F., DIENES-NAGY A., **GINDRO K.**, SPRING JL. and VIRET O. Leaf-to-fruit ratio affects the impact of foliar-applied nitrogen on N accumulation in the grape must. J. INT.SCI. VIGNE VIN. 50 (1): 23-33 (2016).
62. ALLARD PM., PERESSE T., BISSON J., **GINDRO K.**, MARCOURT L., VAN CUONG P., ROUSSI F., LITAUDON M. AND WOLFENDER JL. Integration of molecular networking and In-silico MS/MS fragmentation for natural products dereplication. ANALYTICAL CHEMISTRY DOI:10.1021/acs.analchem.5b04804 (2016).
63. BRUISSON S., MAILLOT P., SCHELLENBAUM P., WALTER B., **GINDRO K.** AND DEGLENE-BENBRAHIM L. Arbuscular mycorrhizal symbiosis stimulates the induction of stilbene defenses in grapevine leaves in response to downy mildew and grey mold infection. PHYTOCHEMISTRY 131 (2016)
64. FAVRE-GODAL Q., DORSAZ S., MARCOURT L., BERTINI V., DORMIA E., MICHELLOD E., VOINESCO F., GUPTA M., **GINDRO K.**, SANGLARD D., QUEIROZ FERREIRA E. and WOLFENDER JL. Identification of triterpenoids from *Schefflera systyla*, *Odontadenia puncticulosa* and *Conostegia speciose* and in depth investigation of their in vitro and in vivo antifungal activities. JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY (2016).
65. ZWICK V., ALLARD PM, ORY L., SIMOES-PIRES C., MARCOURT L., **GINDRO K.**, WOLFENDER JL. and CUENDET M. UHPLC-MS-based HDAC Assay Applied to Bio-guided Microfractionation of Fungal Extracts: UHPLC-MS-based HDAC assay for evaluation of fungal extracts. PHYTOCHEMICAL ANALYSIS (2016).
66. **GINDRO K.**, SCHNEE S., RIGHI D., MARCOURT L., VOINESCO F., MICHELLOD E., WOLFENDER JL. and QUEIROZ FERREIRA E. Generation of antifungal stilbenes using the enzymatic secretome of *Botrytis cinerea* Pers.:Fr. JOURNAL OF NATURAL PRODUCTS 80 (4) (2017).
67. DAYER S., PENA JP., **GINDRO K.**, TORREGROSA L., VOINESCO F., MARTINEZ L., PRIETO JA. And ZUFFEREY V. Changes in leaf stomatal conductance, petiole hydraulics and vessel morphology in grapevine (*Vitis vinifera* cv. Chasselas) under different light and irrigation regimes. FUNCTIONAL PLANT BIOLOGY 44 (7) (2017).
68. ZUFFEREY V., SPRING JL., VERDENAL T., DIENES A., BELCHER S., LORENZINI F., KOESTEL C., RÖSTI J., **GINDRO K.**, SPANGENBERG JE. And VIRET O. The influence of water stress on plant hydraulics, gas exchange, berry composition and quality of Pinot noir wines in Switzerland. OENO-ONE (2017).
69. DORSAZ S., SNAKA T., FAVRE-GODAL Q., MAUDENS P., BOULENS N., FURRER P., EBRAHIMI SM., HAMBURGER M., ALLEMAN E., **GINDRO K.**, FERREIRA QUEIROZ E., RIEZMAN H., WOLFENDER JL. and SANGLARD D. Identification and mode of action of a plant natural product targeting human fungal pathogens. ANTIMICROBIAL AGENTS AND CHEMOTHERAPY In press (2017).
70. OZER N., SABUDAK T., OZER C., **GINDRO K.**, SCHNEE S. AND SOLAK E. Investigations on the role of cuticular wax in resistance to powdery mildew in grapevine. JOURNAL OF GENERAL PLANT PATHOLOGY (2017).
71. DORSAZ S., SNAKA T., FAVRE-GODAL Q., MAUDENS P., BOULENS N., FURRER P., NEJAD HEBRAHIMI S., HAMBURGER M., ALLEMAN E., **GINDRO K.**, FERREIRA QUEIROZ E., RIEZMAN H., WOLFENDER JL. AND SANGLARD D. Identification and mode of action of a plant natural product targeting human fungal pathogen. ANTIMICROBIAL AGENTS AND CHEMOTHERAPY 61 (9). (2017).
72. ZUFFEREY V., SPRING JL., VERDENAL T., DIENES A., BELCHER S., LORENZINI F., KOESTEL C., ROSTI J., **GINDRO K.**, SPANGENBERG JE. AND VIRET O. The influence of water stress on plant hydraulics, gas exchange, berry composition and quality of Pinot Noir wines in Switzerland. OENO-ONE (2017).
73. **GINDRO K.**, SCHNEE S., RIGHI D., MARCOURT L., VOINESCO F., MICHELLOD E., WOLFENDER JL. and QUEIROZ FERREIRA E. Generation of "Unnatural Natural" antifungal stilbenes using the enzymatic secretome of *Botrytis cinerea* Pers.:Fr. JOURNAL OF NATURAL PRODUCTS 80 (4) (2017).
74. AZZOLINI A., BOGGIA L., BOCCARD J., SGORBINI B., LECOULTRE N., ALLARD PM., RUBIOLO P., RUDAZ S., **GINDRO K.**, BICCHI C. AND WOLFENDER JL. Dynamics of metabolite induction in fungal co-cultures by metabolomics at both volatile and non-volatile levels. FRONTIERS IN MICROBIOLOGY 9, DOI · 10.3389 (2018).
75. MONTEILLIER A, ALLARD PM, **GINDRO K.**, WOLFENDER JL AND CUENDET M. Lung cancer chemopreventive activity of patulin isolated from *Penicillium vulpinum*. MOLECULES 23, 636; doi: 10.3390 (2018).
76. RIAT A., PLOJOUX J., **GINDRO K.**, SCHRENZEL J. AND SANGLARD D. Azole resistance of *Aspergillus fumigatus* isolates from the environment and the clinic in Switzerland. ANTIMICROBIAL AGENTS AND CHEMOTHERAPY 62 (4) (2018).
77. PEÇULI A, LORENZINI F, ANGJELLARI M, SCHNEE S, **GINDRO K.**, DIENES-NAGY A. Characterization in phenolic content of Kallmet Albanian Monovarietal wine. OENO ONE 52 (2) (2018).



78. VERDENAL T, ZUFFEREY V, DIENES-NAGY A, BELCHER S, LORENZINI F, RÖSTI J, KOESTEL C AND SPRING JL. Intensity and timing of defoliation on white cultivar Chasselas under the temperate climate of Switzerland. *OENO ONE* 52(2) (2018).
79. ZUFFEREY V, VERDENAL T, DIENES-NAGY A, BELCHER S, LORENZINI F, RÖSTI J, KOESTEL C, **GINDRO K.**, SPANGENBERG JE, VIRET O and SPRING JL. The impact of plant water status on the gas exchange, berry composition and wine quality of Chasselas grapes in Switzerland. *OENO ONE* 52 (4) (2018).
80. HOFSTETTER V, BUYCK B, EYSSARTIER G, SCHNEE S and **GINDRO K.** The unbearable lightness of sequence-base identification. *FUNGAL DIVERSITY* 96 (1) (2019).
81. DE VRIEZE M, GLOOR R, MASSANA CODINA J, TORRIANI S, **GINDRO K.**, L'HARIDON F, BAILLY A AND WEISSKOPFL. Biocontrol activity of three *Pseudomonas* on a newly assembled collection of *Phytophthora infestans* isolates. *PHYTOPATHOLOGY* 109 (9) (2019).
82. VERDENAL T., ZUFFEREY V, DIENES-NAGY A., **GINDRO K.**, VIRET O. AND SPRING JLS. Timing and intensity of grapevine defoliation: an extensive overview on five cultivars in Switzerland. *American Journal of Enology and Viticulture* 70 (4), 427-434 (2019).
83. FAVRE-GODAL Q., GOURGUILLON L., LORDEL-MADELEINE S., **GINDRO K.** AND CHOISY P. Orchids and their mycorrhizal fungi : an insufficiently explored relationship. *MYCORRHIZA* 30 (1), 5-22 (2020).
84. ZUFFREY V., VERDENAL T., DIENES A., BELCHER S., LORENZINI F., KOESTEL C., BLACKFORD M., BOURDIN G., **GINDRO K.**, SPANGENBERG JE., ROSTI J., VIRET O., CARLEN C. AND SPRING JL. The influence of wine water regime on the leaf gas exchange, berry composition and wine quality of Arvine grapes in Switzerland. *OENO ONE* 54 (3), 553-568 (2020).
85. DUBEY O., DUBEY S., SCHNEE S., NAWRATH C., GINDRO K., FARMER E. Plant surface metabolites as potent antifungal agents. *PLANT PHYSIOLOGY AND BIOCHEMISTRY* 150, 39-48 (2020).
86. RIGHI D., HUBER R., KOVAL A., MARCOURT L., SCHNEE S., LE FLOCH A., DUCRET V., PEROZZO R., DE RUVO CC., LECOULTRE N., MICHELLOD E., EBRAHIMI SN., RIVARA-MINTEN E., KATANEV VL., PERRON K., WOLFENDER JL., **GINDRO K.** AND QUEIROZ F. Generation of stilbene antimicrobials against multiresistant strains of *Staphylococcus aureus* through biotransformation by the enzymatic secretome of *Botrytis cinerea*. *JOURNAL OF NATURAL PRODUCTS* 83 (8), 2347-2356 (2020).
87. DIENES-NAGY A., MARTI G., BREANT L., LORENZINI F., FUCHSMANN P., BAUMGARTNER D., ZUFFREY V., SPRING JL., **GINDRO K.**, VIRET O., WOLFENDER JL. AND RÖSTI J. Identification of putative chemical markers in white wine (Chasselas) related to the deficiency of nitrogen nutrition of vineyard. *OENO ONE* 54 (3) (2020).
88. MASSANA-CODINA J., SCHNEE S., ALLARD PM., RUTZ A., BOCCARD J., MICHELLOD E., CLÉROUX M., SCHÜRCH S., **GINDRO K.** and WOLFENDER JL. Insights on the structural and metabolic resistance of potato (*Solanum tuberosum*) cultivars to tuber black dot (*Colletotrichum coccodes*). *FRONTIERS IN PLANT SCIENCE* 11 (2020).
89. DUBEY S., GUIGNARD F., PELLAUD S., PEDRAZZETTI M., VAN DER SCHUREN A., GAUME A., SCHNEE S., **GINDRO K.** AND DUBEY O. Isothiocyanate derivatives of glucosinolates as efficient systemic natural fungicides. *PHYTOFRONTIERS* (In Press) (2020).
90. MASSANA-CODINA J., SCHNEE S., LECOULTRE N., DROZ E., DUPUIS B., KEISER A., DE WERRA, P., WOLFENDER JL., **GINDRO K.** AND SCHÜRCH S. Influence of abiotic factors, inoculum source, and cultivar susceptibility on the potato tuber blemish diseases black dot (*Colletotrichum coccodes*) and silver scurf (*Helminthosporium solani*). *PLANT PATHOLOGY* 70 (4), 885-897 (2021).
91. FAVRE-GODAL, Q, SCHWOB P., LECOULTRE N., HOFSTETTER V., GOURGUILLON L., RIFFAULT-VALOIS L., LORDEL-MADELEINE S., **GINDRO K.** AND CHOISY P. Plant-microbe features of *Dendrobium fimbriatum* (Orchidaceae) fungal community. *SYMBIOSIS* doi.org/10.1007/s13199-021-00786-0 (2021).
92. PELLISSIER L., KOVAL A., MARCOURT L., FERREIRA QUEIROZ E., LECOULTRE N., LEONI S., QUIROS-GUERRERO LM., BARTHÉLÉMY M., DUIVELSHOF BL., GUILLARME D., TARDY S., EPARVIER V., PERRON K., CHAVE J., STIEN D., **GINDRO K.**, KATANAEV V. AND WOLFENDER JL. Isolation and Identification of Isocoumarin Derivatives With Specific Inhibitory Activity Against Wnt Pathway and Metabolome Characterization of *Lasiodiplodia venezuelensis*. *FRONT. CHEM.* 9:664489. doi: 10.3389/fchem.2021.664489 (2021).
93. PELLISSIER L., LEONI S., MARCOURT L., FERREIRA QUEIROZ E., LECOULTRE N., QUIROS-GUERRERO LM., BARTHÉLÉMY M., EPARVIER V., CHAVE J., STIEN D., **GINDRO K.**, PERRON K. AND WOLFENDER JL. Characterization of *Pseudomonas aeruginosa* Quorum Sensing Inhibitors from the Endophyte *Lasiodiplodia venezuelensis* and Evaluation of Their Antivirulence Effects by Metabolomics. *MICROORGANISMS* 9, 1807. doi.org/10.3390/microorganisms9091807 (2021).
94. ALFATTANI A., MARCOURT L., HOFSTETTER V., FERREIRA QUIEROZ E., LEONI S., ALLARD PM., GINDRO K., STIEN D., PERON K. and WOLFENDER JL. Combination of pseudo-LC-NMR and HRMS/MS-based molecular



networking for the rapid identification of antimicrobial metabolites from *Fusarium petroliphilium* Front. Mol. Biosci. (In Press)

95. HUBER R., KOVAL A., MARCOURT L., SCHNEE S., MICHELLOD E., WOLFENDER JL., KATANAIEV L., FERREIRA QUEIROZ E. AND **GINDRO K.** Chemoenzymatic synthesis of original stilbene dimers possessing Wnt inhibition activity in triple-negative breast cancer cells using the enzymatic secretome of *Botrytis cinerea*. (submitted Nature chemical biology).

Books and Book sections

96. P. VAUCLARE, J. COTS, K. **GINDRO** AND F. WIDMER. The glyoxylate cycle as an essential step in carbon reallocation mechanisms. In: ADVANCES IN PLANT PHYSIOLOGY (review) vol. 5. Hemantaraman, A. (ed.), Varanasi 221005, India, pp. 97-132 (2003).
97. PEZET R., VIRET O. AND **GINDRO K.** Plant-microbe interactions: The Botrytis grey mould of grapes-biology, biochemistry, epidemiology and control management (2011).
98. **GINDRO K.**, ALONSO-VILLAVARDE V., VIRET O., SPRING JL., MARTI G., WOLFENDER JL. AND PEZET R. Stilbenes: biomarkers of grapevine resistance to disease of high relevance in agronomy, oenology and human health. In: Progress in Biological Control, Plant Defence: Biological Control. JM. Mérillon and KG Ramawat (eds.), Springer Dordrecht Heidelberg London New York, pp. 25-54 (2012)
99. **GINDRO K.**, SPRING JL. AND VIRET O. Mécanismes de défense naturelle de la vigne et sélection de cépages résistants. In : Les cépages résistants aux maladies cryptogamiques, Panorama européen. Groupe ICV (ed.) France, pp.41-45 (2013).
100. OLIVIER VIRET AND KATIA **GINDRO**. La Vigne: Tome 1 Maladies fongiques, AMTRA (ed.), ISBN : 978-3-85928-097-7, 256 pages (2014).
101. JEAN-SÉBASTIEN REYNARD, SANTIAGO SCHAERRER, KATIA **GINDRO** AND OLIVIER VIRET. La Vigne : Tome 3 Virus, bactéries et phytoplasmes, AMTRA (ed.), ISBN : 978-3-85928-102-8, (2019).

Non peer-reviewed articles

102. **GINDRO K.**, GODARD S, DE GROOTE I AND VIRET O. Peut-on stimuler les mécanismes de défense de la vigne? REVUE SUISSE VITIC. ARBORIC. HORTIC. 39 (6) : 377-383 (2007).
103. SCHNEE S, SPRING JL, VIRET O, DUBUIS PH, GODARD S AND **GINDRO K.** Outils pour la sélection précoce de cépages résistants à l'oïdium. REVUE SUISSE VITIC. ARBORIC. HORTIC. 41 (2) : 87-93 (2009).
104. **GINDRO K.**, VIRET O AND SPRING JL. Développement d'outils pour la sélection précoce de cépages résistants au mildiou. REVUE SUISSE VITIC. ARBORIC. HORTIC. 39 (2): 133-139 (2007).
105. HOFSTETTER V, CASIERI O, VIRET O AND **GINDRO K.** Esca et communauté fongique. REVUE SUISSE VITIC. ARBORIC. HORTIC. 41 (4) : 247-253 (2009).
106. CASIERI L, HOFSTETTER V, VIRET O, DUBUIS PH AND **GINDRO K.** Effet du traitement à l'eau chaude sur les champignons associés aux jeunes plants de vigne. REVUE SUISSE VITIC. ARBORIC. HORTIC. 41 (4) : 219-224 (2009).
107. S. SCHÜRCH, K. **GINDRO**, O. SCHUMPP, J. VERRIER, N. BOHNI, M. MONOD AND JL. WOLFENDER. Guerre chimique entre champignons: un arsenal de molécules bioactives. AGRAFORSCHUNG SCHWEIZ (1), 11-12 (2010).
108. **GINDRO K.**, ALONSO-VILLAVARDE V., VOINESCO F., SPRING J. L. AND VIRET O. Effectiveness of stilbenes in resistant Vitaceae. REVUE SUISSE VITIC. ARBORIC. HORTIC. 42: 352-357 (2010).
109. VIRET O., BLOESCH B., DUBUIS P. H. AND **GINDRO K.** Epidemiology and control strategies against grey mold (*Botrytis cinerea*). REVUE SUISSE VITIC. ARBORIC. HORTIC. 42: 162-167 (2010).
110. DIENES-NAGY A., BELCHER S., **GINDRO K.** AND DUBUIS P. H. Sanitary indexes and chemical markers to evaluate health status of grapes. 2. Chemical markers of grey mold. REVUE SUISSE VITIC. ARBORIC. HORTIC 43: 234-242 (2011).



111. SCHUMPP O., BERGER V., REMOLIF E., MESSERLI B., FREI P., MONOD M., WOLFENDER J.-L. AND **GINDRO** K. Antifungal properties of plants exposed to UV irradiation. *AGRARFORSCHUNG SCHWEIZ* 3: 464-469 (2012)
112. HOFSTETTER V., BUYCK B., CROLL D., VIRET O., COULOUX A., DUBUIS P. H. AND **GINDRO** K. Role of fungi in grapevine esca disease. *REVUE SUISSE VITIC. ARBORIC. HORTIC* 44 (6): 386-392 (2012).
113. DROZ E., ULLIEL S., JULMI-MOREILLON C., DORSAT S., JOFFREY J. P. D., THOMAS D., CONG LINH L. AND **GINDRO** K. Plant varieties and their genetic profiles. *AGRARFORSCHUNG* 11: 552-555 (2012).
114. DROZ E., ULLIEL S., JULMI-MOREILLON C., DORSAT S., DE JOFFREY J.-P., THOMAS D., LE C.-L. AND **GINDRO** K. Characterization of Plant Varieties via genetic Profile. *AGRARFORSCHUNG SCHWEIZ* 3: 552-555 (2012).
115. SPRING JL., VERDENAL T., ZUFFEREY V., **GINDRO** K. AND VIRET O. Influence of rootstock on cv. Cornalin behaviour in the central Valais. *REVUE SUISSE VITIC. ARBORIC. HORTIC* 44: 298-307 (2012).
116. **GINDRO** K, ALONSO-VILLAVARDE V, VOINESCO F, SPRING JL, VIRET O AND DUBUIS PH. Sensibilité des grappes au mildiou: nouvelles données microscopiques et biochimiques. *REVUE SUISSE VITIC. ARBORIC. HORTIC.* 44 (4) : 226-231 (2012).
117. ZUFFEREY V AND **GINDRO** K. La physiologie végétale revient au Coeur du débat. *REVUE SUISSE VITIC. ARBORIC. HORTIC.* 44 (4) : 213 (2012).
118. DIENES NAGY Á., BELCHER S., LORENZINI F., **GINDRO** K. Un kit simple et rapide pour détecter la pourriture des raisins. *SCHWEIZER ZEITSCHRIFT FÜR OBST- UND WEINBAU* 150 (2): 9 (2013).
119. SPRING JL., **GINDRO** K., VOINESCO F., JERMINI M., FERRETTI M., VIRET O. Divico, premier cépage résistant aux principales maladies de la vigne sélectionnée par Agroscope. *REVUE SUISSE VITIC. ARBORIC. HORTIC* 45 (5): 292-303 (2013).
120. SCHNEE S., VOINESCO F., DUBUIS P.-H., VIRET O., WOLFENDER J.-L., QUEIROZ E. F., **GINDRO** K. Sarments de vigne: nouvelle source de composés antifongiques. *REVUE SUISSE VITIC. ARBORIC. HORTIC.* 45 (5) : 306-312 (2013).
121. DIENES NAGY Á., BELCHER S., LORENZINI F., **GINDRO** K. Un kit simple et rapide pour détecter la pourriture des raisins. *REVUE SUISSE VITIC. ARBORIC. HORTIC.* 45 (5) : 314-320 (2013).
122. **GINDRO** K., THOMAS D., REMOLIF E., DE JOFFREY JP., ULLIEL S., JULMI-MOREILLON C., CORMINBOEUF M. AND DROZ E. Bioencapsulation de la vigne pour la production et la conservation de semences miniaturisées. *REVUE SUISSE VITIC. ARBORIC. HORTIC.* 45 (6) : 380-382 (2013).
123. DROZ E., JULMI-MOREILLON C. AND **GINDRO** K. Identification moléculaire de la vigne. *REVUE SUISSE VITIC. ARBORIC. HORTIC.* 45 (6) : 350-354 (2013).
124. REMOLIF E., ZUFFEREY V., DUBUIS PH., VOINESCO F., FENDELEUR O. AND **GINDRO** K. Traitement des bois à l'eau chaude contre la flavescence dorée: effet sur l'anatomie et l'intégrité des tissus conducteurs, études préliminaires. *REVUE SUISSE VITIC. ARBORIC. HORTIC.* 46 (5): 302-308 (2014).
125. HOFSTETTER V, BUCK B, DUBUIS PH, VIRET O AND **GINDRO** K. Variabilité génétique du champignon responsable de l'eutypiose dans un vignoble Suisse. *REVUE SUISSE VITIC. ARBORIC. HORTIC.* 46 (5) : 292-298 (2014).
126. ZUFFEREY V., SPRING JL., VOINESCO F., VIRET O. AND **GINDRO** K. Etude du folletage des grappes sur le cépage Humagne rouge. *REVUE SUISSE VITIC. ARBORIC. HORTIC.* 47 (4): 224-230 (2015).
127. **GINDRO** K., LECOULTRE N., DE JOFFREY JP., SCHNEE S., VOINESCO F., VIRET O. AND DUBUIS PH. Un outil moléculaire pour détecter précocement le mildiou, l'oïdium et la pourriture grise dans les tissus de la vigne. *REVUE SUISSE VITIC. ARBORIC. HORTIC.* 47 (6): 344-352 (2015).
128. VERDENAL T, ZUFFEREY V, SPRING JL, RÖSTI J, DIENES-NAGY A, LORENZINI F, WOLFENDER JL, SPANGENBERG J, BURGOS S, **GINDRO** K AND VIRET O. Complémentation foliaire azotée du cépage *Vitis vinifera* Doral dans le canton de Vaud. *REVUE SUISSE VITIC. ARBORIC. HORTIC.* 48 (4) 238-245 (2016).
129. VERDENAL T, ZUFFEREY V, SPRING JL, RÖSTI J, DIENES-NAGY A, LORENZINI F, WOLFENDER JL, SPANGENBERG J, BURGOS S, **GINDRO** K AND VIRET O. Complémentation foliaire azotée du cépage *Vitis vinifera* Gamaret dans le canton de Vaud. *REVUE SUISSE VITIC. ARBORIC. HORTIC.* 48 (5) 312-319 (2016).
130. **GINDRO** K, DUBUIS PH, HOFSTETTER V, ZUFFEREY V AND VIRET O. Dépérissement de la vigne: une recherche de longue durée. *REVUE SUISSE VITIC. ARBORIC. HORTIC.* 49 (3): 152-158 (2017).
131. VERDENAL, T, SPANGENBERG JE, ZUFFEREY V, SPRING JL, DIENES-NAGY A, SCHNEE S, **GINDRO** K AND VIRET O. Le rapport feuille-fruit de la vigne influence l'accumulation d'azote dans le raisin (2017).



132. ZUFFEREY V., SPRING JL, VERDENAL T, DIENES-NAGY A, BELCHER S, KOESTEL C, ROSTI J, **GINDRO K**, SPANGENBERG O AND VIRET O. Alimentation en eau et comportement du Pinot noir dans les conditions du Valais central. REVUE SUISSE VITIC. ARBORIC. HORTIC. 49 (5): 220-229 (2017).
133. HOFSTETTER V, DUBUIS PH, ZUFFEREY V, FABRE AL AND VIRET O. Maladies du bois de la vigne: état des lieux et axes de recherche d'Agroscope. REVUE SUISSE VITIC. ARBORIC. HORTIC. 49 (2): 88-96 (2017).
134. VIRET O, SIEGFRIED W, DUBUIS PH AND **GINDRO K**. Eutypiose. REVUE SUISSE VITIC. ARBORIC. HORTIC. 49 (2): 101-102 (2017).
135. VIRET O, SIEGFRIED W, DUBUIS PH AND **GINDRO K**. Excoriose. REVUE SUISSE VITIC. ARBORIC. HORTIC. 49 (2): 103-104 (2017).
136. VERDENAL T, ZUFFEREY V, SPRING JL, KOESTEL C, RÖSTI J, DIENES-NAGY A, BELCHER S, LORENZINI F AND **GINDRO K**. Intensité et précocité de l'effeuillage sur vigne de Chasselas dans le canton de Vaud. REVUE SUISSE VITIC. ARBORIC. HORTIC. 50 (3) : 148-155 (2018).
137. VERDENAL T, ZUFFREY V, SPRING JL, DIENES-NAGY A, BELCHER S, LORENZINI F, KOESTEL C, RÖSTI J AND **GINDRO K**. L'effeuillage pré-floral du Pinot noir limite le rendement et modifie la composition des vins. REVUE SUISSE VITIC. ARBORIC. HORTIC. 50 (5) : 276-283 (2018).
138. SPRING JL, **GINDRO K**, LAPRAND F, ZUFFEREY V, VERDENAL T, RÖSTI J, AMIET L, LORENZINI F, DURUZ P, BARMES E, BAILLY S, MAY S, BONVIN Y, REYMOND R, VIRET O AND CARLEN C. Divona, nouveau cépage blanc résistant aux principales maladies de la vigne sélectionnée à Agroscope. REVUE SUISSE VITIC. ARBORIC. HORTIC. 50 (5) : 286-296 (2018).
139. ZUFFEREY V, VERDENAL T, DIENES-NAGY A, BELCHER S, LORENZINI F, KOESTEL C, RÖSTI J, **GINDRO K**, SPANGENBERG JE, VIRET O AND SPRING JL. Influence de l'alimentation en eau sur le comportement de la vigne et la qualité des vins de Chasselas. REVUE SUISSE VITIC. ARBORIC. HORTIC. 50 (6) : 346-355 (2018).
140. **GINDRO K**, DUBUIS PH AND SCHNEE S. Fongicides alternatifs : développements, contraintes et perspectives. REVUE SUISSE VITIC. ARBORIC. HORTIC. 51 (3) : 164-167 (2019).
141. SPRING JL, ZUFFEREY V, VERDENAL T, LORENZINI F, **GINDRO K**, BOURDIN G, CARLEN C, SCHNEIDER C, MERDINOGLU D AND VIRET O. Innovation variétale au service d'une viticulture durable. REVUE SUISSE VITIC. ARBORIC. HORTIC. 51 (3) : 182-187 (2019).

Public media

142. 28.02.2014 : Radio télévision Suisse, Émission CQFD, Rencontre avec Katia **Gindro**
143. 17.10.2017 : Radio télévision Suisse, Émission CQFD, Les champignons sont parmi nous: un peu de chimie dans les champis!
144. 29.08.2017 : Radio télévision Suisse, Émission CQFD, Visite du conservatoire de nos ressources génétiques végétales
145. 31.08.2017 : Radio télévision Suisse, Émission CQFD, A la découverte de la mycothèque d'Agroscope
146. 11.06.2018 : Radio télévision Suisse, Émission CQFD, Des sécrétions de champignons pour créer de nouvelles molécules

Patent

147. Patent n° FR 1254209 (INPI): Extraits de sarments de vigne, composition les contenant et leur utilisation comme agent anti-pathogène pour les plantes (deposited on 22 August 2014).
148. Patent n° 51262/EP : Fungicides to prevent and control fungal pathogens. (deposited on 9 April, 2018)
149. Patent n° EP20172403.6: anti-bacterial and anti-viral compounds (deposited on 30 April 2020)

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<http://www.agroscope.ch/phytopathologie/06049/index.html?lang=en>

<http://www.agroscope.admin.ch/publikationen/suche/mitarbeiterpublikationen/index.html?lang=fr&mid=1025>