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# Publication List of Ulrich Gisi

- I. **Books, Chapters and Reviews in Books** (8 and 30)
- II. **Plant Pathology, Epidemiology and Population Genetics** (43)
- III. **Soil Ecology** (20)
- IV. **Chemical Disease Control and Fungicide Resistance** (89)
- V. **Molecular Biology and Genetics** (12)

Total Number of publications: 202 (1973 – 2020)

## Major original papers (highlighted in green) in:

*Pest Management Science* (13)  
*Journal of Phytopathology* (10)  
*Crop Protection* (7)  
*Phytopathology* (7)  
*Plant Pathology* (7)  
*Oecologia Plantarum* (6)  
*European Journal of Plant Pathology* (5)  
*Fungal Genetics and Biology* (4)  
*Fungal Biology* (earlier *Mycological Research / TBMS*) (4)  
*Pesticide Biochemistry and Physiology* (4)  
*Physiological and Molecular Plant Pathology* (3)  
*EPPO Bulletin* (3)  
*Journal of Plant Diseases and Protection* (2)  
*Journal of Plant Nutrition and Soil Science* (2)

One paper each in:

*Annals of Applied Biology*, *Pesticide Science*, *Molecular Plant-Microbe Interactions*,  
*Plant Disease*, *Mycologia*, *Phytoparasitica*, *PLOS ONE*, *Soil Biology and Biochemistry*,  
*Pedobiologia*, *Applied Soil Ecology*, *Compost Science and Utilization*, *Bauhinia*,  
*Microscopica Acta*

In addition many papers in Congress Proceedings, esp. of “Reinhardsbrunn Symposia”

Wenslingen, March 2020

## I. Books (co-author/co-editor), Chapters and Reviews in Books

1. **GISI, U. 1983:** Biophysical aspects of the development of *Phytophthora*. Chap. 8 (pp. 109-119) in: D. C. Erwin, S. Bartnicki-Garcia, P. H. Tsao, eds., *Phytophthora: Its Biology, Taxonomy, Ecology and Pathology*. American Phytopathological Society, St. Paul, USA, 392 pp.
2. **GISI, U. 1988:** Population dynamics in Peronosporales treated with phenylamide fungicides. Chap.23 (pp. 66-71) in: Ch. Delp, ed., *Fungicide Resistance in North America*. American Phytopathological Society Press, St. Paul, Minnesota, USA, 133 pp.
3. **GISI, U. and STAEHLE-CSECH, U. 1988:** Resistance risk evaluation of new candidates for disease control. Chap. 32 (pp. 101-106) in: Ch. Delp, ed. *Fungicide Resistance in North America*. American Phytopathological Society Press, St. Paul, Minnesota, USA, 133 pp.
4. **GISI, U. 1989:** Important Plant Pathogenic Fungi and the Diseases they cause. Brochure of SANDOZ Agrobiological Research Station, 29 pp.
5. **GISI, U., SCHENKER, R., SCHULIN, R., STADELMANN, F. X. und STICHER, H. 1990:** *Bodenökologie*. Taschenlehrbuch mit 142 Abbildungen und 51 Tabellen. Georg Thieme Stuttgart, New York, 304 pp.
6. **GISI, U. and CAPPONI, C. 1991:** Las enfermedades del cafeto y su control con Alto. (Coffee diseases and their control by Alto). SANDOZ Broschüre, 25 pp.
7. **GISI, U. 1991:** Synergism between fungicides for control of *Phytophthora*. Chap. 24 (pp. 361-372) in: J. A. Lucas, R. C. Shattock, D. S. Shaw, L. R. Cooke, eds., *Phytophthora*. Cambridge University Press, Cambridge, 447 pp.
8. **DE WAARD, M. A. and GISI, U. 1995:** Synergism and antagonism in fungicides. Chap. 26 (pp. 565-578) in: H. Lyr, ed., *Modern Selective Fungicides*, 2nd edition, Gustav Fischer Jena, Germany, 595 pp.
9. **GISI, U., ITEN, F. and OHL, L. 1995:** Changes in sensitivity to fungicides and epidemiological behaviour of *Phytophthora infestans* field isolates. pp. 142-147 in: L.J. Dowley, E. Bannon, L. R. Cooke, T. Keane, E. O'Sullivan, eds., *Phytophthora infestans 150*, Boole Press Dublin, Ireland, 382 pp.
10. **GISI, U. and COHEN, Y. 1996:** Resistance to phenylamide fungicides: A case study with *Phytophthora infestans* involving mating type and race structure. *Annual Review of Phytopathology* **34**, 549-572.
11. **KATARIA, H. and GISI, U. 1996:** Chemical control of *Rhizoctonia* species. Chap VI. D (pp. 537-547) in: B. Sneh, S. Jabaji-Hare, S. Neate, G. Dijst, eds., *Rhizoctonia Species: Taxonomy, Molecular Biology, Ecology, Pathology and Disease Control*, Kluwer Academic Publishers, Dordrecht, Netherlands, 578 pp.

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12. **GISI, U., SCHENKER, R., SCHULIN, R., STADELMANN, F.X. und STICHER, H. 1997:**  
*Bodenökologie*. Taschenlehrbuch mit 159 Abbildungen und 56 Tabellen. Zweite, neu bearbeitete und erweiterte Auflage, Georg Thieme Stuttgart, 350 pp.
  13. **SPENCER-PHILLIPS, P.T.N., GISI, U. and LEBEDA, A. (EDS) 2002:**  
*Advances in Downy Mildew Research*, Kluwer, Dordrecht, Netherlands, 269 pp.
  14. **GISI, U. 2002:** Chemical control of downy mildews. pp. 119-159 in P.T.N. Spencer-Phillips, U. Gisi, A. Lebeda, eds. *Advances in Downy Mildew Research*, Kluwer, Dordrecht, 269 pp.
  15. **DEHNE, H.W., GISI, U., KUCK, K.H., RUSSELL, P.E., H. LYR, H. (EDS) 2002:** *Modern Fungicides and Antifungal Compounds III*, AgroConcept Bonn, Germany, 464 pp.
  16. **SIEROTZKI, H. and GISI, U. 2003:** Molecular diagnostics for fungicide resistance in plant pathogens. Chap. 07 (pp. 71-88) in G. Voss and G. Ramos, eds. *Chemistry of Crop Protection*, Wiley-VCH Weinheim, Germany.
  17. **GISI, U. and ZIEGLER, H. 2003:** Phenylamides / Acylalanines. pp. 609-616 (Vol. 2) in J.R. Plimmer, D.W. Gammon, N.N. Ragsdale, eds. *Encyclopedia of Agrochemicals*, John Wiley, Hoboken, New Jersey, USA, 1638 pp.
  18. **DEHNE, H.W., GISI, U., KUCK, K.H., RUSSELL, P.E., H. LYR, H. (EDS) 2005:** *Modern Fungicides and Antifungal Compounds IV*, BCPC, Alton, UK, 369 pp.
  19. **KUCK, K-H. and GISI, U. 2007:** FRAC mode of action classification and resistance risk of fungicides. Chap. 12, pp. 415-432, in W. Krämer and U. Schirmer, eds. *Modern Crop Protection Compounds*, Wiley-VCH, Weinheim, Germany.
  20. **GISI, U. and MÜLLER, U. 2007:** Anilinopyrimidines: Methionine biosynthesis inhibitors. Chap. 14.2 (pp. 551-560) in W. Krämer and U. Schirmer, eds. *Modern Crop Protection Compounds*, Wiley-VCH, Weinheim, Germany.
  21. **GISI, U., LAMBERTH, C., MEHL, A. and SEITZ, T. 2007:** Carboxylic Acid Amide (CAA) fungicides. Chap. 18 (pp. 651-674) in W. Krämer and U. Schirmer, eds. *Modern Crop Protection Compounds*, Wiley-VCH, Weinheim, Germany.
  22. **MÜLLER, U. and GISI, U. 2007:** Newest aspects of nucleic acid synthesis inhibitors – metalaxyl-M. Chap. 23, pp. 739-746, in W. Krämer and U. Schirmer, eds. *Modern Crop Protection Compounds*, Wiley-VCH, Weinheim, Germany.
  23. **DEHNE, H.W., DEISING, H.B., GISI, U., KUCK, K.H., RUSSELL, P.E., H. LYR, H. (EDS) 2008:** *Modern Fungicides and Antifungal Compounds V*, DPG Selbstverlag Braunschweig, Germany, 360 pp.
  24. **GISI, U., CHET, I. and GULLINO, M.L. (EDS.) 2010:**  
*Recent Developments in Management of Plant Diseases*.  
9<sup>th</sup> International Congress of Plant Pathology, Torino, Italy. Springer Science, Dordrecht, Netherlands, 377 pp.

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- 25. LEADBEATER, A. and GISI, U. 2010:** The challenges of chemical control of plant diseases. Chap. 1 (pp. 3-17) in U. Gisi, I. Chet, M.L. Gullino, eds. *Recent Developments in Management of Plant Diseases*. 9<sup>th</sup> ICPP Torino, Italy, Springer Science, Dordrecht, Netherlands, 377 pp.
- 26. GISI, U. 2010:** Training in plant pathology from an industry perspective. Chap. 8 (pp. 91-100) in N. Hardwick and M.L. Gullino, eds., *Knowledge and Technology Transfer for Plant Pathology*. 9<sup>th</sup> ICPP, Torino, Italy, Springer Science, Dordrecht, Netherlands, 123 pp.
- 27. DEHNE, H.W., DEISING, H.B., GISI, U., KUCK, K.H., RUSSELL, P.E., H. LYR, H. (EDS) 2011:** *Modern Fungicides and Antifungal Compounds VI*, DPG Selbstverlag Braunschweig, Germany, 438 pp.
- 28. KUCK, K-H., LEADBEATER, A. and GISI, U. 2012:** FRAC mode of action classification and resistance risk of fungicides. Chap. 14, pp. 539-557, in W. Krämer, U. Schirmer, P. Jeschke, M. Witschel, eds., *Modern Crop Protection Compounds*, 2<sup>nd</sup> edn., Wiley-VCH, Weinheim, Germany.
- 29. GISI, U. and MÜLLER, U. 2012:** Anilinopyrimidines: Methionine biosynthesis inhibitors. Chap. 16.2, pp. 706-714, in W. Krämer, U. Schirmer, P. Jeschke, M. Witschel, eds., *Modern Crop Protection Compounds*, 2nd edn., Wiley-VCH, Weinheim, Germany.
- 30. GISI, U., LAMBERTH, C., MEHL, A. and SEITZ, T. 2012:** Carboxylic Acid Amide (CAA) fungicides. Chap. 20, pp. 807-830, in W. Krämer, U. Schirmer, P. Jeschke, M. Witschel, eds., *Modern Crop Protection Compounds*, 2nd edn., Wiley-VCH, Weinheim, Germany.
- 31. MÜLLER, U. and GISI, U. 2012:** Newest aspects of nucleic acid synthesis inhibitors – metalaxyl-M. Chap. 23, pp. 901-908, in W. Krämer, U. Schirmer, P. Jeschke, M. Witschel, eds., *Modern Crop Protection Compounds*, 2<sup>nd</sup> edn., Wiley-VCH, Weinheim, Germany.
- 32. GISI, U. 2012:** Resistance to Carboxylic Acid Amide (CAA) fungicides and anti-resistance strategies. Chap. 8, pp. 96-103, in T.S. Thind, ed., *Fungicide Resistance in Crop Protection: Risks and Management*, CABI, Wallingford, UK, 284 pp.
- 33. HERMANN, D. and GISI, U. 2012:** Fungicide resistance in Oomycetes with special reference to *Phytophthora infestans* and phenylamides. Chap. 11, pp. 133-140, in T.S. Thind, ed., *Fungicide Resistance in Crop Protection: Risks and Management*, CABI, Wallingford, UK, 284 pp.
- 34. GISI, U., BACKHAUS, G., KAYSER, H., BASSAND, D., HAAS, H.U. und DEHNE, H.W. 2013:** Pflanzenschutz. Physikalische und Chemische Pflanzenschutzmassnahmen. Kapitel 6.3 und 6.4, pp. 430-473, in H. M. Poehling und J. A. Verreet, Hrsg., *Lehrbuch der Phytomedizin*, 4. überarbeitete Auflage, Ulmer, Stuttgart, 576 pp.

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- 35. GISI, U. and SIEROTZKI, H. 2015:** Mechanisms of resistance: Oomycete fungicides – Phenylamides, Quinone outside Inhibitors and Carboxylic Acid Amides. Chap. 10, pp 145-174 in H Ishii, D Hollomon, eds, *Fungicide Resistance in Plant Pathogens: Principles and a Guide to Practical Management*. Springer Japan.
- 36. GISI, U., LAMBERTH, C., MEHL, A. and SEITZ, T. 2019:** Carboxylic Acid Amide (CAA) Fungicides. Chap. 20, pp. 845-869, in P. Jeschke, M. Witschel, W. Krämer, U. Schirmer, eds. *Modern Crop Protection Compounds*, 3rd edn., Wiley-VCH, Weinheim, Germany.
- 37. HERMANN, D.C., MCKENZIE, D., COHEN, Y. and GISI U. 2019:** Phenylamides: Market trends and resistance evolution for important Oomycete pathogens more than 35 years after the first product introduction (FRAC Code 4). Chap. 6, pp. 69-84 in K.L. Stevenson, M.L. McGrath, C.A. Wyenandt, eds, *Fungicide Resistance in North America*, 2nd edn., APS Press, St. Paul, Minnesota, USA.
- 38. OLAYA, G., BLUM, M., TALLY, A. and GISI, U. 2019:** Resistance to the carboxylic acid amide fungicides (FRAC Code 40). Chap. 11, pp. 133-144 in K.L. Stevenson, M.L. McGrath, C.A. Wyenandt, eds, *Fungicide Resistance in North America*, 2nd edn., APS Press, St. Paul, Minnesota, USA.

## II. Plant Pathology, Epidemiology and Population Genetics

1. **GISI, U. und MEYER, D. 1973:** Oekologische Untersuchungen an *Phytophthora cactorum* (Leb. et Cohn) Schroet. im Boden mit direkten Beobachtungsmethoden. *Phytopathologische Zeitschrift* **76**, 276-279.
2. **GISI, U. and SCHWINN, F. J. 1974:** Studies on the saprophytic soil phase of *Phytophthora cactorum*. *Phytophthora Newsletter* **2**, 12-13.
3. **GISI, U. 1975:** Eine neue Methode zur quantitativen Direktbeobachtung der Sporangien von *Phytophthora cactorum* (Leb. et Cohn) Schroet. im Boden. *Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz* **82**, 30-47.
4. **GISI, U. 1975:** Untersuchungen über die Bodenphase von *Phytophthora cactorum* (Leb. et Cohn) Schroet. mit fluoreszenzoptischer Direktbeobachtung. *Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz* **82**, 355-377.
5. **GISI, U. 1975:** Eine Methode zum sterilen Absaugen von Sporen aus Pilzkulturen. *Phytopathologische Zeitschrift* **84**, 369-372.
6. **GISI, U. und SCHWINN, F. J. 1976:** Die Eignung von Vitalfarbstoffen und optischen Aufhellern zur fluoreszenzmikroskopischen Beobachtung von *Phytophthora cactorum* (Leb. et Cohn) Schroet. *in vitro* und im Boden. *Microscopica Acta* **77**, 402-419.
7. **GISI, U. and SCHWINN, F. J. 1976:** Influence of optical brighteners on growth of mycelium and sporangia formation of *Phytophthora cactorum in vitro*. *Phytophthora Newsletter* **4**, 2-5.
8. **GISI, U. and SCHWINN, F. J. 1976:** Sequence of steps during zoospore release from sporangia of *Phytophthora cactorum*. *Phytophthora Newsletter* **4**, 6-8.
9. **GISI, U., OERTLI, J. J. und SCHWINN, F. J. 1977:** Wasser- und Salzbeziehungen der Sporangien von *Phytophthora cactorum* (Leb. et Cohn) Schroet. *in vitro*. *Phytopathologische Zeitschrift* **89**, 261-284.
10. **GISI, U. 1977:** Indirect Germination of Sporangia of *Phytophthora cactorum* (Leb. et Cohn) Schroet. (Oomycetes). S/w Stummfilm, 4 Min., Botanisches Institut der Universität Basel; Schweizerische Gemeinschaft für den Hochschul- und Forschungsfilm.
11. **GISI, U., ZENTMYER, G. A. and KLURE, L. J. 1979:** Differential sensitivity of *Phytophthora* species to the optical brightener diethanol *in vitro*. *Phytophthora Newsletter* **7**, 12-13.
12. **GISI, U., SCHWINN, F. J. and OERTLI, J. J. 1979:** Dynamics of indirect germination in *Phytophthora cactorum* sporangia. *Transactions of the British Mycological Society* **72**, 437-446.

13. **GISI, U., HEMMES, D. E. and ZENTMYER, G. A. 1979:** Origin and significance of the discharge vesicle in *Phytophthora*.  
*Experimental Mycology* **3**, 321-339.
14. **GISI, U., ZENTMYER, G. A. and KLURE, L. J. 1980:** Production of sporangia by *Phytophthora cinnamomi* and *P. palmivora* in soils at different matric potentials.  
*Phytopathology* **70**, 301-306.
15. **GISI, U. and ZENTMYER, G. A. 1980:** Mechanism of zoospore release in *Phytophthora* and *Pythium*.  
*Experimental Mycology* **4**, 362-377.
16. **GISI, U. 1982:** Symbiose: Strategie des Zusammenlebens.  
*Bauhinia* **7**, 213-226.
17. **SENN, H. und GISI, U. 1982:** Temperaturabhängige Kinetik der Zoosporenfreisetzung aus Sporangien von *Phytophthora cactorum*.  
*Phytopathologische Zeitschrift* **105**, 230-247.
18. **GISI, U., RIMBACH, E. and BINDER, H. 1987:** Methods of studying inhibitors of zoosporic fungi during host-parasite interactions under greenhouse conditions. pp. 146-149 in: M.S. Fuller and A. Jaworski, eds., *Zoosporic Fungi in Teaching and Research*. Southeastern Publishing Corporation, Athens, Georgia, USA, 303 pp.
19. **GISI, U. 1987:** Methods and theoretical aspects of studying discharge mechanism in *Phytophthora* and *Pythium* species. pp. 276-278 in: M. S. Fuller and A. Jaworski, eds., *Zoosporic Fungi in Teaching and Research*. Southeastern Publishing Corporation, Athens, Georgia, USA, 303 pp.
20. **WALDNER-ZULAUF, M. und GISI, U. 1991:** Populationsänderungen von *Pseudocercospora herpotrichoides* mit und ohne Fungizidselektion.  
*Journal of Phytopathology* **132**, 89-98.
21. **COHEN, Y., GISI, U. and MOESINGER, E. 1991:** Systemic resistance of potato plants against *Phytophthora infestans* induced by unsaturated fatty acids.  
*Physiological and Molecular Plant Pathology* **38**, 255-263.
22. **MAJOROS, K., GISI, U. and GEES, R. 1993:** Studies of mating type and phenylamide sensitivity behaviour in *Phytophthora infestans*. pp. 175-182 in: H. Lyr and C. Polter, eds, Proceedings 10th International Symposium on Systemic Fungicides and Antifungal Compounds. Schriftenreihe der Dt. Phytomed. Ges., Bd. 4, Ulmer Stuttgart, Germany, 463 pp.
23. **COHEN, Y., GISI, U. and NIDERMAN, T. 1993:** Local and systemic protection against *Phytophthora infestans* induced in potato and tomato plants by jasmonic acid and jasmonic-methyl-ester.  
*Phytopathology* **83**, 1054-1062.
24. **ENKERLI, J., GISI, U. and MOESINGER, E. 1993:** Systemic acquired resistance to *Phytophthora infestans* in tomato and the role of pathogenesis related proteins.  
*Physiological and Molecular Plant Pathology* **43**, 161-171.

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25. COHEN, Y. and GISI, U. 1994: Systemic translocation of  $^{14}\text{C}$ -DL-3-aminobutyric acid in tomato plants in relation to induced resistance against *Phytophthora infestans*. *Physiological and Molecular Plant Pathology* **45**, 441-456.
26. DUVAUCHELLE, S., LHERBIER, V., EMERY, D., SARNIGUET, C., LEBRETON, L., ANDRIVON, D., GISI, U., KNAPOVA, G. and EDEL, D. 1997: Repartition des souches A2 de *Phytophthora infestans* en France en 1996. 5th International Conference Plant Diseases, Tours, France, *Annales ANPP*, pp. 369-374.
27. KNAUF-BEITER, G., THEILER, M., GISI, U. and STAUB, T. 1997: Cytology of SAR in tobacco against tobacco blue mold. 1997 APS Meeting. *Phytopathology* **87**, Supplementum, p. 53, abstract.
28. ETIENNE, L., BECK, J.J., BASSIN, C., THOMAS, C., WEST, S.J.E. and GISI, U. 1998: PCR assessment of wheat field samples from the UK, US, Germany and France for the detection of *Pseudocercospora herpotrichoides*. 7th International Congress of Plant Pathology, abstract 3.3.25.
29. CHIN, K.M., FELSENSTEIN, F.G., and GISI, U. 1998: Stabilizing selection of *Erysiphe graminis* f. sp. *tritici* populations for sensitivity to sterol biosynthesis inhibitors. 7th International Congress of Plant Pathology, abstract 5.5.27.
30. KNAPOVA, G. and GISI, U. 2000: Characterisation of *Phytophthora infestans* from potato and tomato with molecular markers. 5th Congress EFPP, Giardini Naxos, Italy, *Biodiversity in Plant Pathology*, p. 3, abstract103.
31. STEINFELD, U., SIEROTZKI, H., PARISI, S., POIREY, S. and GISI, U. 2001: Sensitivity of mitochondrial respiration to different inhibitors in *Venturia inaequalis*. *Pest Management Science* **57**, 787-796.
32. LEVIN, A., BAIDER, A., RUBIN, E., GISI, U. and COHEN, Y. 2001: Oospore formation by *Phytophthora infestans* in potato tubers. *Phytopathology* **91**, 579-585.
33. KNAPOVA, G., TENZER, I., GESSLER, C. and GISI, U. 2001: Characterisation of *Phytophthora infestans* from potato and tomato with molecular markers. Proceedings 5th Congress EFPP, Giardini Naxos, Italy, *Biodiversity in Plant Pathology*, pp. 6-9.
34. ROBINSON, H.L., RIDOUT, C.J., SIEROTZKI, H., GISI, U. and BROWN, J.K.M. 2002: Isogamous, hermaphroditic inheritance of mitochondrion-encoded resistance to Qo inhibitor fungicides in *Blumeria graminis* f.sp. *tritici*. *Fungal Genetics and Biology* **36**, 98-106.
35. RUEGNER, A., RUMBOLZ, J., HUBER, B., BLEYER, G., GISI, U., KASSEMAYER, H.H. and GUGGENHEIM, R. 2002: Formation of overwintering structures of *Uncinula necator* and colonization of grapevine under field conditions. *Plant Pathology* **51**, 322-330.



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- 36. KNAPOVA, G. and GISI, U., 2002:** Phenotypic and genotypic structure of *Phytophthora infestans* populations on potato and tomato in France and Switzerland.  
*Plant Pathology* **51**, 641-653.
- 37. KNAPOVA, G., SCHLENZIG, A. and GISI, U., 2002:** Crosses between isolates of *Phytophthora infestans* from potato and tomato and characterization of F1 and F2 progeny for phenotypic and molecular markers.  
*Plant Pathology* **51**, 698-709.
- 38. SCHERER, E. and GISI, U. 2006:** Characterization of genotype and mating type in European isolates of *Plasmopara viticola*.  
*Journal of Phytopathology* **154**, 489-495.
- 39. GISI, U., WALDER, F., RESHEAT-EINI, Z., EDEL, D. and SIEROTZKI, H. 2010:** Veränderungen der Populationsstruktur von *Phytophthora infestans* in Europa. 57. Deutsche Pflanzenschutztagung, Berlin, *Julius-Kühn-Archiv* **428**, Abstract 13-10, 141.
- 40. GISI, U., WALDER, F., RESHEAT-EINI, Z., EDEL, D. and SIEROTZKI, H. 2011:** Changes of genotype, sensitivity and aggressiveness in *Phytophthora infestans* isolates collected in European Countries in 1997, 2006 and 2007.  
*Journal of Phytopathology* **159**, 223-232.
- 41. HAMED, B. and GISI, U. 2013:** Generation of pathogenic F1 progeny from crosses of *Phytophthora infestans* isolates differing in ploidy.  
*Plant Pathology* **62**, 708-718.
- 42. COHEN, Y., VAN DEN LANGENBERG, K.M., WEHNER, T.C., OJIAMBO, P.S., HAUSBECK, M., QUESADA-OCAMPO, L.M., LEBEDA, A., SIEROTZKI, H. and GISI, U. 2015:** Resurgence of *Pseudoperonospora cubensis*: The causal agent of cucurbit downy mildew.  
*Phytopathology* **105**, 998-1012.
- 43. MATIC, S., GILARDI, G., GISI, U., GULLINO, M. L. and GARIBALDI, A. 2018:** Differentiation of *Pythium* spp. from vegetable crops with molecular markers and sensitivity to azoxystrobin and mefenoxam.  
*Pest Management Science* **75**, 356-365.

### III. Soil Ecology

1. **GISI, U. und OERTLI, J. J. 1978:** Veränderungen in Vegetation und Boden auf Grund der Brachlegung von Kulturland.  
*Bulletin Bodenkundliche Gesellschaft der Schweiz* **2**, 42-47.
2. **GISI, U., FROSSARD, P. und OERTLI, J. J. 1979:** Bodenkundlicher Vergleich von Kultur- und Brachland im Schweizer Jura.  
*Zeitschrift für Pflanzenernährung und Bodenkunde* **142**, 639-654.
3. **GISI, U. und OERTLI, J. J. 1981:** Oekologische Entwicklung in Brachland verglichen mit Kulturwiesen. I. Physikalisch-chemische Veränderungen im Boden.  
*Oecologia Plantarum* **2 (16)**, 7-21.
4. **GISI, U. und OERTLI, J. J. 1981:** Oekologische Entwicklung in Brachland verglichen mit Kulturwiesen. II. Veränderungen in ober- und unterirdischer Pflanzenmasse.  
*Oecologia Plantarum* **2 (16)**, 79-86.
5. **GISI, U. und OERTLI, J. J. 1981:** Oekologische Entwicklung in Brachland verglichen mit Kulturwiesen. III. Mikrobiologische Veränderungen im Boden.  
*Oecologia Plantarum* **2 (16)**, 163-173.
6. **GISI, U. und OERTLI, J. J. 1981:** Oekologische Entwicklung in Brachland verglichen mit Kulturwiesen. IV. Veränderungen im Mikroklima.  
*Oecologia Plantarum* **2 (16)**, 233-249.
7. **STOECKLIN, J. und GISI, U. 1985:** Bildung und Abbau der Streu in bewirtschafteten und brachliegenden Mähwiesen. pp. 101-109 in: K. F. Schreiber, ed., *Sukzession auf Grünlandbrachen*.  
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8. **ZINKERNAGEL, C. und GISI, U. 1985:** Einfluss der Brachlegung von Magerwiesen auf Dichte und Zusammensetzung der Bodenmikroorganismen-Populationen.  
*Pedobiologia* **28**, 333-341.
9. **KATARIA, H. R. and GISI, U. 1989:** Recovery from soil and sensitivity to fungicides of *Rhizoctonia cerealis* and *Rhizoctonia solani*.  
*Mycological Research* **92**, 458-462.
10. **STOECKLIN, J. und GISI, U. 1989:** Veränderungen der Versorgung der Vegetation mit Stickstoff, Phosphor und Kalium nach Brachlegung von Magerwiesen.  
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11. **STOECKLIN, J. und GISI, U. 1989:** Auswirkungen der Brachlegung von Mähwiesen auf die Produktion pflanzlicher Biomasse und die Menge und Struktur der Streudecke.  
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