
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** (90)
- V. **Molecular Biology and Genetics** (12)

Total Number of publications: 203 (1973 – 2022: 49 years)

Major original papers (highlighted in green) in:

Pest Management Science (13)
Journal of Phytopathology (10)
Crop Protection (7)
Phytopathology (7)
Plant Pathology (8)
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 2023

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.
9th 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*. 9th 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*. 9th 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*, 2nd 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*, 2nd 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.
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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}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. 2019:** 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.
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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.
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