

## **Nomination - Faculty representative to the Board of Governors**

Dr. John Klironomos

### **Personal Statement:**

I am honoured to have the opportunity to stand for re-election to the Board of Governors. The UBC has entered a new era of academic leadership and it will be as important as ever for strong governance and collegial relations among the diverse parts of the University community. As a faculty representative, my aim is to work collaboratively with others on the Board, to promote the Okanagan campus, and to help foster and support the mission and the goals of the University. I will defend the university as a democratic public institution and as an important place for learning how to think critically. I am committed to helping further strengthen the university, with a focus on its students and faculty, and the resources that they need; and to champion for what's most important, a supportive environment and high standard for teaching, research, and higher learning. My relevant experience includes being a faculty member for the past 23 years (at the U Guelph, and UBC), and having served on numerous committees at the departmental, Faculty, and university levels. I am completing my first term on the Board of Governors and seeking re-election for a second term. Recently I also served as associate dean for the Barber School of Arts and Sciences, and I am currently serving as Advisor to the Dean (for the upcoming transition to two separate Faculties), and also as Senior Faculty Advisor to the President.

### **Academic Degrees:**

1994	Ph.D. Biology, University of Waterloo
1990	B.Sc. Biology, Concordia University

### **Current Occupation:**

Professor, Department of Biology, IK Barber School of Arts and Sciences,  
UBC Okanagan campus

### **Current and Past Offices Held:**

#### **Positions:**

2009-	Professor of Biology, UBC Okanagan
2019-	Senior Faculty Advisor to the President, UBC
2019-	Faculty Advisor to the Dean (Faculty Transition) IKBSAS, UBC Okanagan
2019-2019	Associate Dean of Research, IKBSAS, UBC Okanagan
2017-2020	Member, Board of Governors, UBC
2013-2015	Associate Dean of Research, IKBSAS, UBC Okanagan
2012-2013	Director, Institute for SARAHS, UBC Okanagan
2008-2010	Humboldt Research Fellow, Free University Berlin, Germany

2007-2009	Research Coordinator, Arboretum, University of Guelph
2006-2009	Professor, University of Guelph
2005-2006	Visiting Professor, Université Paul Sabatier, France
2003-2009	Canada Research Chair, University of Guelph
2003-2004	Bullard Research Fellow, Harvard University
2001-2006	Associate Professor, University of Guelph
1996-2001	Assistant Professor, University of Guelph
1994-1996	Assistant Research Professor, San Diego State University

University Service:

2019-	Senior Faculty Advisor to the President, UBC
2019-	Advisor to the Dean, IKBSAS, UBC Okanagan
2019-2019	Associate Dean of Research, Graduate and Post-doctoral Studies, IKBSAS, UBC Okanagan
2017-	Member, Board of Governors, UBC
2018-	Chair, Endowment Responsible Investment Policy Committee, Board of Governors, UBC
2017-	Chair/Co-Chair, Learning and Research Committee, Board of Governors, UBC
2019-	Associate Member, Academic Renewal Working Group, Board of Governors, UBC
2017-	Member, Executive Committee, Board of Governors, UBC
2017-	Member, Finance Committee, Board of Governors, UBC
2017-	Member, Governance Committee, Board of Governors, UBC
2017-	Member, People, Community & International Committee, Board of Governors, UBC
2017-	Member, Property Committee, Board of Governors, UBC
2017-	Member, Financial Strategy Working Group, Board of Governors, UBC
2017-18	Associate Head, Research and Strategic Planning, Department of Biology, UBC Okanagan
2017-19	Member, Standing Committee on Promotion and Tenure, Faculty of Management, UBC Okanagan
2016-	Member, Dean's Advisory Committee on Promotion and Tenure, Faculty of Health and Social Development, UBC Okanagan
2016-	Member, Standing Committee on Promotion and Tenure, Department of Biology, UBC Okanagan
2013-2015	Associate Dean of Research, Arts and Science, UBC Okanagan
2013-2015	Member, Animal Users Committee, UBC Okanagan
2014-2015	Member, Water Advisory Committee, UBC Okanagan
2014-2015	Member, President's Academic Advisory Committee, UBC
2014-2015	Co-organizer, Undergrad Research Conference, UBC Okanagan
2013-2015	Mcee, Nobel Night, UBC Okanagan
2015	Member, Graduate Studies Council, UBC Okanagan
2014	Member, Policy 13 Review Committee, UBC Okanagan

2013-2014 Chair, Search Committee for Head of Unit 5 (Computer Science, Mathematics, Physics and Statistics), UBC Okanagan

2013-2014 Member, Policy 47 Review Committee, UBC Okanagan

2013-2014 Member, Search Committee for VP Research, UBC Okanagan

2013-2014 Member, Aspire Faculty Champions Committee, UBC Okanagan

2013 Member, Policy 88, Executive Committee on Research, UBC

2012-2013 Acting-Director, Institute for SARAHS, UBC Okanagan

2012-2013 Member, Dean's Advisory Committee on Promotion and Tenure, I.K. Barber School of Arts and Sciences, UBC

2011 Member, Merit and PSA Review Committee, Biology

2011 Member, Committee for the Review of Biology Curricula of Universities in Greece

2010 Member, Biology Workload Equity Committee

2010 Member, UBC Animal Care Committee

2009-2012 Chair, Biology Curriculum Review Committee

2009-2011 Chair, Biology Graduate Program Committee

2009-2011 Biology Graduate Coordinator

2007-2009 Research Coordinator, University of Guelph Arboretum

2007-2009 Chair, Arboretum Research Associates Committee

2007-2009 Chair, Department Graduate Program Development Committee

2007-2008 Member, College Tenure and Promotion Committee

2007-2009 Member, Guelph Institute for the Environment

2005-2008 Member, Department Chair's Advisory Council

2005-2008 Member, College Core Curriculum Development Committee

2005-2007 Organizer, EcoLunch Discussion Group

2005-2006 Member, Department Graduate Program Committee

2005 Member, Department Tenure and Promotion Committee

2004-2005 Member, Biocomplexity Faculty Search Committee

2004 Member, Department Chair Search Committee

2003 Member, Microbial Ecologist Faculty Search Committee

2001-2003 Chair, Growth Facilities Development Committee

2002. 2001-2002 Member, Plant Ecologist Faculty Search Committee

2003. 2001-2003 Member, B.Sc. (Environmental Science) Program Committee

1999-2004 Member, Plant Biology Undergraduate Curriculum Committee

1999-2004 Academic Advisor, B.Sc. Ecology Major

1999-2000 Member, College Awards Committee

1997-2000 Member, Growth Facilities Development Committee

1997-2000 Chair, Department Awards Committee

Awards:

2014 Fellow of the Royal Society of Canada, Life Sciences Division, Academy of Science

2013 Fellow of the American Association for the Advancement of Science (AAAS)

2013	Lifetime Professional Achievement Award, International Soil Ecology Society
2007	Humboldt Research Award, Alexander von Humboldt Foundation, Germany
2006	E.W.R. Steacie Research Fellowship, NSERC, Canada
2003	Charles Bullard Fellowship, Harvard University, U.S.A.
2003	Canada Research Chair, Tier II, Canada
2001	President's Distinguished Professor Award, University of Guelph
2000	Premier's Research Excellence Award, Ontario

### Current Professional or Business Interests:

Teaching and research programs in environmental biology and ecology.

### List of Publications:

1. Klironomos, J.N., Widden, P. and Deslandes, I. (1992) Feeding preferences of the collembolan, *Folsomia candida*, in relation to microfungal successions on decaying litter. ***Soil Biology and Biochemistry*** 24, 685-692.
2. Klironomos, J.N., Moutoglis, P., Kendrick, B. and Widden, P. (1993) A comparison of spatial heterogeneity of vesicular-arbuscular mycorrhizal fungi in two maple-forest soils. ***Canadian Journal of Botany*** 71, 1472-1480.
3. Klironomos, J.N. and Kendrick, W.B. (1993) Research on mycorrhizas: trends in the past 40 years as expressed in the 'MYCOLIT' database. ***New Phytologist*** 125, 595-600.
4. Moutoglis, P., Klironomos, J.N., Widden, P. and Kendrick, B. (1995) Direct observation of spores of vesicular-arbuscular mycorrhizal fungi growing on sugar maple roots in the field, using sodium hexametaphosphate as a soil dispersant. ***Mycologia*** 87, 419-423.
5. Klironomos, J.N. and Kendrick, B. (1995) Relationships among microarthropods, fungi, and their environment. ***Plant and Soil*** 170, 183-197.
6. Klironomos, J. and Bainbridge, D. (1995) Collembolas for biocontrol? ***Forest Nursery Notes***. USDA Forest Service, January, 20- 21.
7. Klironomos, J.N. and Kendrick, B. (1995) Stimulative effects of arthropods on endomycorrhizae of sugar maple in the presence of decaying litter. ***Functional Ecology*** 9, 528-536.
8. Klironomos, J.N. and Allen, M.F. (1995) UV-B-mediated changes on belowground communities associated with the roots of *Acer saccharum*. ***Functional Ecology*** 9, 923-930.
9. Klironomos, J.N. (1995) Arbuscular mycorrhizae of *Acer saccharum* in different soil types. ***Canadian Journal of Botany*** 73, 1824-1830.
10. Klironomos, J.N. and Kendrick, B. (1996) Palatability of microfungi to soil arthropods in relation to the functioning of arbuscular mycorrhizae. ***Biology and Fertility of Soils*** 21, 43-52.
11. Klironomos, J.N. Rillig, M.C. and Allen, M.F. (1996) Below-ground microbial and microfaunal responses to *Artemisia tridentata* grown under elevated atmospheric CO<sub>2</sub>. ***Functional Ecology*** 10, 527-534.

12. Klironomos, J. (1996) Book Review. Mycorrhiza: Structure, Function, Molecular Biology and Biotechnology, 1995, edited by A. Varma and B. Hock. Springer-Verlag. ***Mycologia*** 88, 519-520.
13. Klironomos, J.N., Allen, M.F., Rillig, M.C., Zak, D.R., Pregitzer, K.S. and Kubiske, M.E. (1997) Increased levels of airborne fungal spores in response to *Populus tremuloides* grown under elevated atmospheric CO<sub>2</sub>. ***Canadian Journal of Botany*** 75, 1670-1673.
14. Klironomos, J.N., Rillig, M.C., Allen, M.F., Zak, D.R., Kubiske, M. and Pregitzer, K.S. (1997) Soil fungal-arthropod responses to *Populus tremuloides* grown under enriched atmospheric CO<sub>2</sub> under field conditions. ***Global Change Biology*** 3, 473-478.
15. Allen, M.F., Klironomos, J.N. and Harney, S. (1997) The epidemiology of mycorrhizal fungi during succession. In: G. Carroll and P. Tuzdzynski (Eds.) Plant Relationships, ***The Mycota***, Vol V, Part B, Springer-Verlag, Pg 169-183.
16. Rillig, M.C., Scow, K.M., Klironomos, J.N., and Allen, M.F. (1997) Microbial carbon-substrate utilization in the rhizosphere of *Gutierrezia sarothrae* grown in elevated atmospheric carbon dioxide. ***Soil Biology and Biochemistry*** 29, 1387-1394.
17. Klironomos, J. N. and Ursic, M. (1998) Density-dependent grazing on the extra-radical hyphal network of the arbuscular mycorrhizal fungus, *Glomus intraradices*, by the collembolan, *Folsomia candida*. ***Biology and Fertility of Soils*** 26, 250-253.
18. Klironomos, J. N., Ursic, M., Rillig, M., and Allen, M. F. (1998) Inter-specific differences in the response of arbuscular mycorrhizal fungi to *Artemisia tridentata* grown under elevated atmospheric CO<sub>2</sub>. ***New Phytologist*** 138, 599-605.
19. Rillig, M.C., Allen, M.F., Klironomos, J.N., Chiariello, N.R., Field, C.B. (1998) Plant-species specific changes in root-inhabiting fungi in a California annual grassland: responses to elevated CO<sub>2</sub> and nutrients. ***Oecologia*** 113, 252-259.
20. Rillig, M. C., Allen, M. F., Klironomos, J. N., and Field C. B. (1998) Arbuscular-mycorrhizal percent root infection and infection intensity of *Bromus hordeaceus* grown in elevated atmospheric CO<sub>2</sub>. ***Mycologia*** 90, 199-205.
21. Van der Heijden, M.G.A., Klironomos, J.N., Ursic, M., Moutoglis, P., Streitwolf-Engel, R., Boller, T., Wiemken, A., Sanders, I.R. (1998) Mycorrhizal fungal diversity determines plant biodiversity, ecosystem variability and productivity. ***Nature*** 396, 69-72.
22. Klironomos, J. N., Rillig, M. C. and Allen, M. F. (1999) Designing below-ground field experiments with the help of semi-variance and power analyses. ***Applied Soil Ecology*** 12, 227-238.
23. Klironomos, J.N. and Moutoglis, P. (1999) Colonization of non-mycorrhizal plants by mycorrhizal neighbours as influenced by the collembolan, *Folsomia candida*. ***Biology and Fertility of Soils*** 29, 277-281.
24. Van der Heijden, M.G.A., Klironomos, J.N., Ursic, M., Moutoglis, P., Streitwolf-Engel, R., Boller, T., Wiemken, A., Sanders, I.R. (1999) "Sampling effect", a problem in biodiversity manipulation? A reply to David A. Wardle. ***Oikos*** 87, 408-410.
25. Klironomos, J. (1999) Mycorrhizae. In: Sumner, M.E. editor, ***Handbook of Soil Science***, CRC Press, Boca Raton. Pp. C37-C43.
26. Klironomos, J. N., Bednarczuk, E. M. and Neville, J. (1999) Reproductive significance of feeding on saprobic and arbuscular mycorrhizal fungi by the collembolan, *Folsomia candida*. ***Functional Ecology*** 13, 756-761.

27. Klironomos, J. (1999) Mycorrhizae research. **Ontario Arborist** 27, 8.
28. Duguay, K.J. and Klironomos, J.N. (2000) Direct and indirect effects of enhanced UV-B radiation on the decomposing and competitive abilities of saprobic fungi. **Applied Soil Ecology** 14, 157-164.
29. Klironomos, J.N., McCune, J., Hart, M., Neville, J. (2000) The influence of arbuscular mycorrhizae on the relationship between plant diversity and productivity. **Ecology Letters** 3, 137-141.
30. Klironomos, J.N. (2000) Host-specificity and functional diversity among arbuscular mycorrhizal fungi. In: Bell, CR, Brylinsky, M, Johnson-Green, P (eds). **Microbial Biosystems: New Frontiers**. Proceedings of the 8th International Symposium on Microbial Ecology. Atlantic Canada Society for Microbial Ecology, Halifax, Canada. Pp 845-851.
31. Hart, M.M., Reader, R.J., and Klironomos, J.N. (2001) Biodiversity and ecosystem function: alternate hypotheses or a single theory? **Bulletin of the Ecological Society of America** 82 (1), 88-90.
32. Klironomos, J.N. and Hart, M.M (2001) Animal nitrogen swap for plant carbon. **Nature** 410, 651-652.
33. Philip, L.J., Posluszny, U. and Klironomos, J.N. (2001) The influence of mycorrhizal colonization on the vegetative growth and sexual reproductive potential of *Lythrum salicaria* L. **Canadian Journal of Botany**, 79, 381-388.
34. Klironomos, J.N., Hart, M.H., Gurney, J.E. and Moutoglis, P. (2001) Interspecific differences in the tolerance of arbuscular mycorrhizal fungi to freezing and drying. **Canadian Journal of Botany**, 79, 1161-1166.
35. Hart, M.M., Reader, R.J. and Klironomos, J.N. (2001) Life history strategies of arbuscular mycorrhizal fungi in relation to their successional dynamics. **Mycologia** 93, 1186-1194.
36. Neville, J., Tessier, J.L., Morrison, I., Scarratt, J., Canning, B., and Klironomos, J.N. (2002) Soil depth distribution of ecto- and arbuscular mycorrhizal fungi associated with *Populus tremuloides* within a 3-year-old boreal forest clear-cut. **Applied Soil Ecology** 19, 209-216.
37. Kirk, J.L., Klironomos, J.N., Lee, H., and Trevors, J.T. (2002) Phytotoxicity assay to assess plant species for phytoremediation of petroleum-contaminated soil. **Bioremediation Journal** 6, 57-63.
38. Klironomos, J.N. and Hart, M.M. (2002) Colonization of roots by arbuscular mycorrhizal fungi using different sources of inoculum. **Mycorrhiza** 12, 181-184.
39. Klironomos, J.N. (2002) Feedback with soil biota contributes to plant rarity and invasiveness in communities. **Nature** 417, 67-70.
40. Hart, M.M. and Klironomos, J.N. (2002) Diversity of arbuscular mycorrhizal fungi and ecosystem functioning. In: M.G.A. van der Heijden and I. Sanders (Eds.) **Mycorrhizal Ecology. Ecological Studies**, Vol. 157. Springer-Verlag, Berlin. Pg 225-242.
41. Klironomos, J.N. (2002) Another form of bias in conservation research. **Science** 298, 749.
42. Hart, M.M., Reader, R.J., and Klironomos, J.N. (2003) Plant coexistence mediated by arbuscular mycorrhizal fungi. **Trends in Ecology and Evolution** 18, 418-423.
43. Klironomos, J.N. (2003) Variation in plant response to native and exotic arbuscular mycorrhizal fungi. **Ecology** 84, 2292-2301.

44. Klironomos, J.N., McCune, J., and Moutoglis, P. (2004) Species of arbuscular mycorrhizal fungi affect mycorrhizal responses to simulated herbivory. *Applied Soil Ecology* 26, 133-141.
45. Wardle, D., Bardgett, R., Klironomos, J. Setälä, H., Van der Putten, W., Wall, D. (2004). Ecological linkages between aboveground and belowground biota. *Science* 304, 1629-1633.
46. Correia, P., Carvalho, L., Tavares, A., Martins-Loução, M.A., and Klironomos, J. (2004) Using native plants to assess arbuscular mycorrhizal fungi when restoring quarries in maquis ecosystems (Portugal). *Ecological Restoration* 22, 233-234.
47. Kirk, J.L., Beaudette L.A., Hart, M., Moutoglis, P., Klironomos, J.N., Lee, H., and Trevors, J.T. (2004) Methods of studying soil microbial diversity. *Journal of Microbiological Methods* 58, 169-188.
48. Piotrowski, J.S., Denich, T., Klironomos, J.N., Graham, J.M., and Rillig, M.C. (2004) The effects of arbuscular mycorrhizae on soil aggregation depend on the interaction between plant and fungal species. *New Phytologist* 164, 365-373.
49. Kirk, J.L, Klironomos, J.N., Lee, H., and Trevors, J.T. (2005) The effects of perennial ryegrass and alfalfa on microbial abundance and diversity in petroleum contaminated soil. *Environmental Pollution* 133, 455-465.
50. Wolfe, B.E., Husband, B.C., and Klironomos, J.N. (2005) Effects of a belowground mutualism on an aboveground mutualism. *Ecology Letters* 8, 218-223.
51. Klironomos, J.N., Allen, M.F., Rillig, M.C., Piotrowski, J., Makvandi-Nejad, S., Wolfe, B.E., and Powell, J.R. (2005) Abrupt rise in atmospheric CO<sub>2</sub> overestimates community response in a model plant-soil system. *Nature* 433, 621-624.
52. Lerat, S., England, L.S., Vincent, M.L., Pauls, K.P., Swanton, C.J., Klironomos, J.N., and Trevors, J.T. (2005) Real-time polymerase chain reaction (PCR) quantification of the transgenes for Roundup Ready corn and Roundup Ready soybean in soil samples. *Journal of Agricultural and Food Chemistry* 53, 1337-1342.
53. Rillig, M.C., Lutgen, E.R., Ramsey, P.W., Klironomos, J.N., Gannon, J.E. (2005) Microbiota accompanying different arbuscular mycorrhizal fungal isolates influence soil aggregation. *Pedobiologia*, 49, 251-259.
54. Wolfe, B., and Klironomos, J.N. (2005) Breaking new ground: soil communities and exotic plant invasion. *BioScience* 55, 477-487.
55. Kirk, J.L., Moutoglis, P., Klironomos, J., Lee, H. and Trevors, J.T. (2005) Toxicity of diesel fuel to germination, growth and colonization of *Glomus intraradices* in soil and *in vitro* transformed carrot root cultures. *Plant and Soil*, 270, 23-30.
56. Gulden, R.H., Lerat, S., Hart, M.M., Powell, J.R., Trevors, J.T, Pauls, K.P., Klironomos, J.N., and Swanton, C.J. (2005) Quantification of transgenic plant DNA in leachate water: real-time PCR analysis. *Journal of Agricultural and Food Chemistry* 53, 5858-5865.
57. Gulden, R.H., Lerat, S., Hart, M.M., Campbell, R., Powell, J., Pauls, K.P., Klironomos, J.N., Swanton, C.J., and Trevors, J.T. (2005) Tracking plant transgenes in soil; where do they go? *IBS News Report*. May 2005.
58. Allen, M.F., Klironomos, J.N., Treseder, K.K., and Oechel, W.C. (2005) Responses of soil biota to elevated CO<sub>2</sub> in a chaparral ecosystem. *Ecological Applications* 15, 1701-1711.
59. Agrawal, A.A., Kotanen, P.M., Mitchell, C.E., Power, A.G., Godsoe, W. and Klironomos, J.,

- (2005) Enemy release? An experiment with congeneric plant pairs and diverse above- and belowground enemies. *Ecology* 86, 2979-2989.
60. Schwartz, M.W., Hoeksema, J.D., Gehring, C.A., Johnson, N.C., Klironomos, J.N., Abbott, L.K., Pringle, A. (2006) The promise and potential consequences of the global transport of mycorrhizal fungal inoculum. *Ecology Letters*, 9, 501-515.
61. Mitchell, C.E., Agrawal, A.A., Bever, J.D., Gilbert, G.S., Hufbauer, R.A., Klironomos, J.N., Maron, J.L., Morris, W.F., Parker, I.M., Power, A.G., Seabloom, E.W., Torchin, M.E., Vázquez, D.P. (2006) Biotic interactions and plant invasions. *Ecology Letters* 9, 726-740.
62. Stinson, K.A., Campbell, S.A., Powell, J.R., Wolfe, B.E., Callaway, R.M., Thelen, G.C., Hallett, S.G., Prati, D., Klironomos, J.N. (2006) Invasive Plant Suppresses the Growth of Native Tree Seedlings by Disrupting Belowground Mutualisms. *PLoS Biology* 4(5): e140. DOI: 10.1371/journal.pbio.0040140
63. Wolfe BE, Weishampel PA, and Klironomos JN (2006) Arbuscular mycorrhizal fungi and water table affect wetland plant community composition. *Journal of Ecology* 94, 905-914.
64. Rillig MC, Mummey DL, Ramsey PW, Klironomos JN, Gannon JE (2006) Phylogeny of arbuscular mycorrhizal fungi predicts community composition of symbiosis-associated bacteria. *FEMS Microbiology Ecology*, 57, 389-395.
65. Johnson NC, Hoeksema J, Bever, JD, Chaudhary VB, Gehring C, Klironomos J, Koide R, Miller RM, Moore J, Moutoglis P, Schwartz M, Simard S, Swenson W, Umbanhowar J, Wilson G, Zabinski C (2006) From Lilliput to Brobdingnag: Extending models of mycorrhizal function across scales. *BioScience* 56, 889-900.
66. Gulden RH, Levy-Booth D, Campbell R, Powell JR, Hart MM, Dunfield KE, Trevors JT, Pauls KP, Klironomos JN, and Swanton CJ (2007) An empirical approach to target DNA quantification in environmental samples using real-time polymerase chain reactions. *Soil Biology and Biochemistry*, 39, 1956-1967.
67. Powell JR and Klironomos JN (2007) Ecology of plant-microbial interactions. In: *Soil Microbiology, Ecology, and Biochemistry*, 3<sup>rd</sup> edition (E.A. Paul, editor). Pg 257-281. Academic Press, Burlington.
68. Van der Putten WH, Klironomos JN, and Wardle DA (2007) Microbial ecology of biological invasions. *The International Society for Microbial Ecology Journal* 1, 28-37.
69. Wolfe BE, Mummey DL, Rillig MC and Klironomos JN (2007) Small-scale spatial heterogeneity of arbuscular mycorrhizal fungal abundance and community composition in a wetland plant community. *Mycorrhiza*, 17, 175-183.
70. Maherali H and Klironomos JN (2007) Influence of phylogeny on fungal community assembly and ecosystem functioning. *Science* 316, 1746-1748.
71. Levy-Booth DJ, Campbell RG, Gulden RH, Hart MM, Powell JR, Klironomos JN, Pauls KP, Swanton CJ, Trevors JT, Dunfield KE (2007) Cycling of extracellular DNA in the soil environment. *Soil Biology and Biochemistry* 39, 2977-2991.
72. Klironomos, J.N. (2007) The actions of fungi in ecosystems (Book Review. Fungi in Biogeochemical Cycles. 2006, edited by G.M. Gadd. Cambridge University Press. *BioScience* 57, 981-982.
73. Schnitzer SA, Londré RA, Klironomos J, and Reich PB (2007) Biomass and toxicity responses of poison ivy (*Toxicodendron radicans*) to elevated atmospheric CO<sub>2</sub>:



Comment. **Ecology** 89, 581-585.

74. Antunes PM, Schneider K, Hillis D, and Klironomos JN (2007) Can the arbuscular mycorrhizal fungus *Glomus intraradices* actively mobilize P from rock phosphates? **Pedobiologia** 51, 281-286.
75. Powell JR, Gulden RH, Hart MM, Campbell RG, Levy-Booth DJ, Dunfield KE, Pauls KP, Swanton CJ, Trevors JT and Klironomos JN (2007) Mycorrhizal and rhizobial colonization of genetically-modified and conventional soybeans. **Applied and Environmental Microbiology** 73, 4365-4367.
76. Lerat S, Gulden RH, Hart MM, Powell JR, England LS, Pauls KP, Swanton CJ, Klironomos JN, and Trevors JT (2007) Quantification and persistence of recombinant DNA of Roundup Ready corn and soybean in rotation. **Journal of Agricultural and Food Chemistry** 55, 10226-10231.
77. Callaway RM, Cipollini D, Barto K, Thelen GC, Hallett SG, Prati D, Stinson K, and Klironomos J (2008) Novel weapons: invasive plant suppresses fungal mutualists in America but not in its native Europe. **Ecology** 89, 1043-1055.
78. Gordon AM, Thevathasan NV, Klironomos J, Bradley R, Shipley B, Cogliastro A, Olivier A, and Whalen J (2008) Agroforestry in the world: lessons for Canada. **Policy Options** 2, 79-82.
79. Gulden RH, Lerat S, Blackshaw RE, Powell JR, Levy-Booth DJ, Dunfield KE, Trevors JT, Pauls KP, Klironomos JN, and Swanton CJ (2008) Factors affecting the presence and persistence of plant DNA in the soil environment in corn and soybean rotations. **Weed Science** 56, 767-774.
80. Antunes P, Klironomos J, Miller J, Carvalho L, and Newman, J (2008) Even after death the endophytic fungus of *Schedonorus phoenix* reduces the arbuscular mycorrhizas of other plants. **Functional Ecology** 22, 912-918.
81. Levy-Booth DJ, Campbell RG, Gulden RH, Hart MM, Powell JR, Klironomos JN, Pauls KP, Swanton CJ, Trevors JT, Dunfield KE (2008) Real-time polymerase chain reaction monitoring of recombinant DNA entry into soil from decomposing Roundup Ready® leaf biomass. **Journal of Agricultural and Food Chemistry** 56, 6339-6347.
82. Hillis DG, Antunes P, Sibley PK, Klironomos JN, and Solomon KR (2008) Structural responses of *Daucus carota* root organ cultures and the arbuscular mycorrhizal fungus, *Glomus intraradices*, to 12 pharmaceuticals. **Chemosphere** 73, 344-352.
83. Levy-Booth DJ, Gulden RH, Campbell RG, Powell JR, Klironomos JN, Pauls KP, Swanton CJ, Trevors JT, Dunfield KE (2009) Roundup Ready® soybean gene concentrations in field soil aggregate size classes. **FEMS Microbiology Letters** 291, 175-179.
84. Powell JR, Levy-Booth DJ, Gulden RH, Asbil WL, Campbell RG, Dunfield KE, Hamill AS, Hart MM, Lerat S, Nurse RE, Pauls KP, Sikkema PH, Swanton CJ, Trevors JT, Klironomos JN (2009) Effects of genetically-modified, herbicide-tolerant crops and their management on soil food web properties and crop litter decomposition. **Journal of Applied Ecology** 46, 388-396.
85. Wolfe BE, Parrent JL, Koch AM, Sikes BA, Gardes M, Klironomos JN (2009) Spatial heterogeneity in mycorrhizal populations and communities: scales and mechanisms. In **Mycorrhizas – Functional Processes and Ecological Impact**. Edited by C. Azcon-Aguilar, J.M. Barea, S. Gianinazzi, V. Gianinazzi-Pearson. Springer-Verlag. Berlin Heidelberg.

Chapter 12. Pg. 167- 185.

86. Hart MM, Powell JR, Gulden RH, Dunfield KE, Pauls KP, Swanton CJ, Klironomos JN, Antunes PM, Koch AM, Trevors JT (2009) Separating the effect of crop from herbicide on soil microbial communities in glyphosate-resistant corn. *Pedobiologia* 52, 253-262.
87. De Deyn GB, Biere A, van der Putten WH, Wagenaar R, Klironomos JN (2009) Chemical defense, mycorrhizal colonization and growth responses in *Plantago lanceolata* L. *Oecologia* 160, 433-442.
88. Antunes PM, Koch AM, Dunfield KE, Hart MM, Downing A, Rillig MC, Klironomos JN (2009) Influence of commercial inoculation with *Glomus intraradices* on the structure and functioning of an AM fungal community from an agricultural site. *Plant and Soil* 317, 257-266.
89. Powell JR, Campbell RG, Dunfield KE, Gulden RH, Hart MM, Levy-Booth DJ, Klironomos JN, Pauls KP, Swanton CJ, Trevors JT, Antunes PM (2009) Effect of glyphosate on the tripartite symbiosis formed by *Glomus intraradices*, *Bradyrhizobium japonicum*, and genetically-modified soybean. *Applied Soil Ecology* 41, 128-136.
90. Hart MM, Powell JR, Gulden RH, Levy-Booth DJ, Dunfield KE, Pauls KP, Swanton CJ, Klironomos JN, Trevors JT (2009) Detection of transgenic *cp4 epsps* genes in the soil food web. *Agronomy for Sustainable Development*, 29, 497-501.
91. Powell JR, Parrent JL, Hart MM, Klironomos JN, Rillig MC, Maherali H (2009) Phylogenetic trait conservatism and the evolution of functional tradeoffs in arbuscular mycorrhizal fungi. *Proceedings of the Royal Society B - Biological Sciences* 276, 4237-4245.
92. Pringle A, Bever JD, Gardes M, Parrent JL, Rillig MC, Klironomos JN (2009) Mycorrhizal symbioses and plant invasions. *Annual Review of Ecology, Evolution and Systematics* 40, 699-715.
93. Sikes BA, Cottenie K, Klironomos JN (2009) Plant and fungal identity determines pathogen protection of plant roots by arbuscular mycorrhizas. *Journal of Ecology* 97, 1274-1280.
94. Carvalho LM, Antunes PM, Martins-Loução MA, Klironomos JN (2010) Disturbance influences the outcome of plant-soil biota interactions in the invasive *Acacia longifolia* and in native species. *Oikos*, 119, 1172-1180.
95. Bell TH, Klironomos JN, Hugh ALH (2010) Seasonal responses of extracellular enzyme activity and microbial biomass to warming and N addition. *Soil Science Society of America Journal* 74, 820-828.
96. Hoeksema J, Chaudhary V, Gehring C, Johnson N, Karst J, Koide R, Pringle A, Zabinski C, Bever J, Moore J, Wilson G, Klironomos J, Umbanhowar J (2010) A meta-analysis of context-dependency in plant response to mycorrhizal fungi. *Ecology Letters* 13, 394-407
97. Bainard L, Klironomos JN, Hart M (2010) Differential effect of sample preservation methods on plant and arbuscular mycorrhizal fungal DNA. *Journal of Microbiological Methods* 82, 124-130.
98. Bever JD, Dickie IA, Facelli E, Facelli JM, Klironomos, Moora M, Rillig MC, Stock WD, Tibbett M, Zobel M (2010) Rooting theories of plant ecology in microbial interactions. *Trends in Ecology and Evolution* 25, 468-478.
99. Bainard L, Klironomos JN, Gordon A (2011) The mycorrhizal status and colonization of

- twenty-six tree species growing in urban and rural environments. *Mycorrhiza* 21, 91-96.
100. Antunes PM, Koch AM, Morton JB, Rillig MC, Klironomos JN (2011) Functional divergence in arbuscular mycorrhizal fungi from contrasting climatic origins. *New Phytologist* 189, 507-514.
  101. Schnitzer SA, Klironomos JN, HilleRisLambers J, Kinkel LL, Reich PB, Xiao K, Rillig MC, Sikes BA, Callaway RM, Mangan S, van Ness E, Scheffer M (2011) Soil microbes drive the classic plant diversity–productivity pattern. *Ecology* 92, 296-303.
  102. Maron J, Marler M, Klironomos J, Cleveland C (2011) Soil fungal pathogens and the relationship between plant diversity and productivity. *Ecology Letters*, 14, 36-41
  103. Klironomos JN, Zobel M, Tibbett M, Stock WD, Rillig MC, Parrent JL, Moora M, Koch AM, Facelli JM, Facelli E, Dickie IA, Bever JD (2011) Forces that structure plant communities: quantifying the importance of the mycorrhizal symbiosis. *New Phytologist* 189, 366-370.
  104. Callaway RM, Bedmar EJ, Reinhart KO, Silvan CG, Klironomos J (2011) Effects of soil biota from different ranges on *Robinia pseudoacacia* invasion: acquiring mutualists and escaping pathogens. *Ecology* 92, 1027-1035.
  105. Bainard LD, Klironomos JN, Gordon AM (2011) Arbuscular mycorrhizal fungi in tree-based intercropping systems: a review of their abundance and diversity. *Pedobiologia* 54, 57-61.
  106. Barto EK, Antunes PM, Stinson K, Koch AM, Klironomos JN, Cipollini D (2011) Differences in arbuscular mycorrhizal fungal communities associated with sugar maple seedlings in and outside of invaded garlic mustard forest patches. *Biological Invasions* 13, 2755-2762.
  107. Koch AM, Antunes PM, Barto EK, Cipollini D, Mummey DL and Klironomos JN (2011) The effects of arbuscular mycorrhizal (AM) fungal and garlic mustard introductions on native AM fungal diversity. *Biological Invasions* 13, 1627-1639.
  108. MacDougall AS, Rillig MC, Klironomos JN (2011) Weak intraspecific feedbacks and exotic dominance in a species-rich savanna. *Proceedings of the Royal Society B - Biological Sciences* 278, 2939-2945.
  109. Bainard L, Bainard JD, Newmaster SG, Klironomos JN (2011) Mycorrhizal symbiosis stimulates endoreduplication in angiosperms. *Plant, Cell and Environment* 34, 1577-1585.
  110. Mirás-Avalos JM, Antunes PM, Koch A, Khosla K, Klironomos JN, Dunfield KE (2011) The influence of tillage on the structure of the rhizosphere and root-associated arbuscular mycorrhizal fungal communities. *Pedobiologia* 54, 235-241.
  111. Schnitzer SA, Klironomos J (2012) Soil microbes regulate ecosystem productivity and maintain species diversity. *Plant Signaling & Behavior* 6, 1240-1243.
  112. Bainard LD, Koch AM, Gordon AM, Newmaster SG, Thevathasan NV, Klironomos JN (2012) Influence of trees on the spatial structure of arbuscular mycorrhizal communities in a temperate tree-based intercropping system. *Agriculture, Ecosystems and Environment* 144, 13-20.
  113. Bainard LD, Koch AM, Gordon AM, Klironomos JN (2012) Temporal and compositional differences of arbuscular mycorrhizal fungal communities in conventional monocropping and tree-based intercropping systems. *Soil Biology and Biochemistry* 45,

- 172-180.
114. Courtney, KC, Bainard LD, Sikes BA, Koch AM, Maherali H, Klironomos JN, Hart MM (2012) Determining a minimum detection threshold in terminal restriction fragment length polymorphism analysis. *Journal of Microbiological Methods* 88, 14-18.
  115. Chagnon P-L, Bradley RL, Klironomos JN (2012) Using ecological network theory to evaluate the causes and consequences of arbuscular mycorrhizal community structure. *New Phytologist* 194, 307-312.
  116. Forsythe J, Sim Z, Vincent C, Klironomos J (2012) How economically valuable are vulnerable ecosystems? *Bulletin of the Ecological Society of America* April, 163.
  117. Koch AM, Antunes PM, Klironomos JN (2012) Diversity effects on productivity are stronger within than between trophic groups in the arbuscular mycorrhizal symbiosis, *PLOS One*, May 7(5) e36950.
  118. Maherali H, Klironomos JN (2012) Phylogenetic and trait-based assembly of arbuscular mycorrhizal fungal communities. *PLOS One*, 7(5) e36695.
  119. Gai JP, Tian H, Yang FY, Christie P, Li XL, Klironomos JN (2012) Arbuscular mycorrhizal fungal diversity along a Tibetan elevation gradient. *Pedobiologia* 55, 145-151.
  120. Ohsowski BM, Klironomos JN, Dunfield KE, Hart MM (2012) The potential of soil amendments for restoring severely disturbed grasslands. *Applied Soil Ecology* 60, 77-83.
  121. Sikes BA, Maherali H, Klironomos JN (2012) Arbuscular mycorrhizal fungal communities change among three stages of primary sand dune succession but do not alter plant growth. *Oikos* 121, 1791-1800.
  122. Fischer AL, Moncalvo J-M, Klironomos JN, Malcolm JR (2012) Fruit body and molecular rDNA sampling of fungi in woody debris from logged and unlogged boreal forests in northwestern Ontario. *Ecoscience* 19, 374-390.
  123. Yurkonis K, Maherali H, Bolton K, Klironomos J, Newman J (2012) Cultivar genotype, application and endophyte history affects community impact of *Schedonorus arundinaceus*. *Journal of Applied Ecology*, 49, 1094-1102.
  124. File AL, Klironomos J, Maherali H, Dudley SA (2012) Plant kin recognition enhances abundance of microbial symbiotic partner. *PLOS One*, 7(9): e45648.
  125. Bainard LD, Koch AM, Gordon AM, Klironomos JN (2013) Growth response of crops to soil microbial communities from conventional monocropping and tree-based intercropping systems. *Plant and Soil* 363, 345-356.
  126. Van der Putten WH, Bardgett RD, Bever JD, Bezemer TM, Casper BB, Fukami T, Kardol P, Klironomos JN, Kulmatiski A, Schweitzer JA, Suding KN, Van de Voorde TFJ, Wardle DA (2013) Plant-soil feedback: the past, the present and future challenges. *Journal of Ecology*, 101, 265-276.
  127. Klironomos J. (2013) Foreword. In: Derickx LM and Antunes PM, A guide to the identification and control of exotic invasive species in Ontario's hardwood forests. Invasive Species Research Institute. Sault Ste. Marie. 283 pp.
  128. Maron JL, Waller LP, Hahn MA, Diaconu A, Pal RW, Muller-Scharer H, Klironomos JN, Callaway RM (2013) Effects of soil fungi, disturbance and propagule pressure on exotic plant recruitment and establishment at home and abroad. *Journal of Ecology* 101, 924-932.
  129. Chagnon P-L, Bradley RL, Maherali H, Klironomos JN (2013) A trait-based framework to

- understand life history of mycorrhizal fungi. *Trends in Plant Science* 18, 484-491.
130. Maron JL, Klironomos J, Waller L, Callaway RM (2014) Invasive plants escape from suppressive soil biota at regional scales. *Journal of Ecology*, 102, 19-27.
  131. Sikes B, Maherali H, Klironomos J (2013) Mycorrhizal fungal growth responds to soil characteristics, but not plant host identity, during a primary lacustrine dune succession. *Mycorrhiza* 24, 219-226.
  132. Yurkonis KA, Shukla K, Holdenried J, Hager HA, Bolton KA, Klironomos JN, Maherali H, Newman JA (2014) Endophytes inconsistently affect plant communities across *Schedonorus arundinaceus* hosts. *Plant Ecology* 215, 389-398.
  133. Chagnon P-L, Bradley RL, Klironomos JN (2014) Plant-fungal symbioses as ecological networks: the need to characterize more than just interaction partners. *Fungal Ecology* 12, 10-13.
  134. Egan C, Li DW, Klironomos JN (2014) Detection of arbuscular mycorrhizal fungal spores in the air across different biomes and ecoregions. *Fungal Ecology* 12, 26-31.
  135. Anacker BL, Klironomos JN, Maherali H, Einhart KO, Strauss SY (2014) Phylogenetic conservatism in plant-soil feedback and its implications for plant abundance. *Ecology Letters* 12, 1613-1621.
  136. Pakpour S, Li DW, Klironomos J (2015) Relationships of fungal spore concentrations in the air and meteorological factors. *Fungal Ecology* 13, 130-134.
  137. Fraser LH, Pither J, Jentsch A, Sternberg M, Zobel M, Askarizadeh D, Bartha S, Beierkuhnlein C, Bennett JA, Bittel A, Boldgiv B, Boldrini II, Bork E, Brown L, Cabido M, Cahill J, Carlyle CN, Competella G, Chelli S, Cohen O, Csergo A-M, Díaz S, Enrico L, Ensing D, Fidelis A, Fridley JD, Foster B, Garris H, Goheen JR, Henry HAL, Hohn M, Jouri MH, Klironomos J, Koorem K, Lawrence-Lodge R, Long R, Manning P, Mitchell R, Moora M, Müller SC, Nabinger C, Naseri K, Overbeck GE, Palmer TM, Parsons S, Pesek M, Pillar VD, Pringle RM, Roccaforte K, Schmidt A, Shang Z, Stahlmann R, Stotz GC, Sugiyama S-I, Szentes S, Thompson D, Tungalag R, Undrakhbold S, van Rooyen M, Wellstein C, Wilson JB, Zupo T (2015) Worldwide evidence of a unimodal relationship between productivity and plant species richness. *Science* 349, 302-305.
  138. Pakpour S, Klironomos J (2015) The invasive plant, *Brassica nigra*, degrades local mycorrhizas across a wide geographical landscape. *Royal Society Open Science* 2: 150300. <http://dx.doi.org/10.1098/rsos.150300>
  139. Liu L, Hart MM, Zhang JL, Cai XB, Gai JP, Christie P, Li XL, Klironomos JN (2015) Altitudinal distribution patterns of AM fungal assemblages in a Tibetan alpine grassland. *FEMS Microbiology Ecology*, 91, fiv078.
  140. Aguilar-Trigueros CA, Hempel S, Powell JR, Anderson IC, Antonovics J, Bergmann J, Cavagnaro TR, Chen B, Hart MM, Klironomos J, Petermann JS, Verbruggen E, Veresoglou SD, Rillig MC (2015) Branching out: Towards a trait-based understanding of fungal ecology. *Fungal Biology Reviews* 29, 34-41.
  141. Chagnon, Pierre-Luc; Bradley, Robert L.; Klironomos, John N. (2015) Trait-based partner selection drives mycorrhizal network assembly *Oikos* 124, 1609-1616.
  142. Yang C, Pakpour S, Klironomos J, Li DW (2015) Microfungi in indoor environments: what is known and what is not. In: *Biology of Microfungi*, Editor: Li D-W, Springer, pg. 373-412.

143. Ohsowski B, Dunfield K, Klironomos J, Hart M (2016) Improving plant biomass estimation in the field using partial least squares regression and ridge regression. **Botany** 94, 501-508.
144. Encinas-Viso F, Alonso D, Klironomos JN, Etienne RS, Chang ER (2016) Plant-mycorrhizal fungus co-occurrence network lacks substantial structure. **Oikos**, 125, 457-467.
145. Pakpour S, Scott JA, Turvey SE, Brook JR, Takaro TK, Sears MR, Klironomos J (2016) Presence of Archaea in the indoor environment and their relationships with housing characteristics. **Microbial Ecology** 72, 305-312.
146. Pither J, Fraser LH, Jentsch A, Sternberg M, Zobel M, Cahill J, Bierkuhnlein C, Bartha S, Bennett JA, Boldgiv B, Brown LR, Cabido M, Campetella G, Carlyle CN, Chelli S, Csergo AM, Diaz S, Enrico L, Ensing, D, Fidelis A, Garris HW, Henry HAL, Hoehn M, Klironomos, J, Koorem, K, Lawrence-Lodge R, Manning P, Mitchell RJ, Moora M, Pillar, Valerio D, Stotz GC, Sugiyama S-I, Szentés S, Tungalag R, Undrakhbold S, Wellstein C, Zupo, T (2016) Response to Comment on "Worldwide evidence of a unimodal relationship between productivity and plant species richness," **Science** 351, DOI: 10.1126/science.aad8019
147. Klironomos J. (2016) Unearthed. The amazing microbiome exposed! **Bulletin of the Ecological Society of America**, 97, 220-221.
148. Waller L, Maron J, Callaway R, Klironomos J, Ortega Y (2016) Reduced mycorrhizal responsiveness leads to increased competitive tolerance in an invasive exotic plant. **Journal of Ecology** 104, 1599-1607.
149. Bennett JA, Maherali H, Reinhart KO, Lekberg Y, Hart MM, Klironomos J (2017) Plant-soil feedbacks and mycorrhizal type influence temperate forest population dynamics. **Science** 355, 181-184.
150. Egan CP, Callaway RM, Hart MM, Pither J, Klironomos J (2017) Phylogenetic structure of arbuscular mycorrhizal fungal communities along an elevation gradient. **Mycorrhiza** 27, 273-282.
151. Kazemian N, Pakpour S, Crawford B, Klironomos J, Milani AS (2017) The effect of biodeterioration on mechanical properties of hemp natural fiber reinforced composite, In: *Advances in Materials Science Research*. Volume 27 (ed. MC Wythers), Nova Science Publishers, Chapter 7, p 1-12
152. Koch AM, Antunes PM, Maherali H, Hart MM, Klironomos JN (2017) Evolutionary asymmetry in the arbuscular mycorrhizal symbiosis: conservatism in fungal morphology does not predict host plant growth. **New Phytologist** 214, 1330-1337.
153. Bennett JA, Klironomos J (2017) Do fungi regulate forest dynamics? **Cell Systems** 4, 141.
154. Ohsowski B, Dunfield K, Klironomos J, Hart M (2017) Plant response to biochar, compost, and mycorrhizal fungal amendments in post-mine sandpits. **Restoration Ecology** 26, 63-72.
155. Klironomos J, Brar SK, Fraser E, Hedge K, Kazemian N, McInnes A, McNeil J, Naghdi M, Pachapur V, Taheran M (2017) Food and Nutritional Security in Canada. In: **Food and Nutrition Security in the Americas**. The Inter-American Network of Academies of Sciences (IANAS); Inter Academy Partnership (IAP); The Federal Ministry of Education and Research Bundesministerium für Bildung und Forschung (BMBF); German National Academy of Sciences-Leopoldina. Pp. 121-153.
156. Dickie IA, Bufford JL, Cobb R, Desprez-Loustau M-L, Grelet G, Hulme PE, Klironomos J,

- Makiola A, Nuñez MA, Pringle A, Thrall P, Tourtellot SG, Waller L, Williams N (2017) The emerging science of linked plant-fungal invasions. *New Phytologist* 215, 1314-1332.
157. Reinhart KO, Lekberg Y, Klironomos J, Maherali H (2017) Does responsiveness to arbuscular mycorrhizal fungi depend on plant invasive status? *Ecology and Evolution* 7, 6482-6492.
158. Treseder KK, Allen EB, Egerton-Warburton LM, Hart MM, Klironomos JN, Maherali H, Tedersoo L (2017) Arbuscular mycorrhizal fungal traits could mediate ecosystem responses to nitrogen deposition. *Journal of Ecology* 106, 480-489.
159. Crawford B, Pakpour S, Kazemian N, Klironomos J, Milani AS (2017) Effect of fungal deterioration on physical and mechanical properties of hemp and flax natural fiber composites. *Materials*, 10, 1252(1-14).
160. Bennett JA, Klironomos J (2018) Climate, but not trait, effects on plant-soil feedback depend on mycorrhizal type in temperate forests *Ecosphere* 9, e02132.
161. Hoeksema JD, Bever JD, Chakraborty S, Chaudhary VB, Gardes M, Gehring CA, Hart MM, Housworth EA, Kaonongbua W, Klironomos JN, Lajeunesse MJ, Meadow J, Milligan BG, Piculell BJ, Pringle A, Rúa MA, Umbanhowar J, Viechtbauer W, Wang Y-W, Wilson GWT, Zee PC (2018) Evolutionary history of plant hosts and fungal symbionts predicts the strength of mycorrhizal mutualism. *Communications Biology* 1:116, DOI: 10.1038/s42003-018-0120-9.
162. Egan CP, Rummel A, Kokkoris V, Klironomos J, Lekberg Y, Hart M (2018) Using mock communities of arbuscular mycorrhizal fungi to evaluate fidelity associated with Illumina sequencing. *Fungal Ecology* 33, 52-64.
163. Lekberg Y, Bever JD, Bunn RA, Callaway RM, Hart MM, Kivlin SN, Klironomos J, Larkin BG, Maron JL, Reinhart KO, Remke M, van der Putten WH (2018) Relative importance of competition and plant-soil feedback, their synergy, context dependency and implications for coexistence. *Ecology Letters* 21, 1268-1281.
164. Bennett JA, Klironomos J (2019) Mechanisms of plant-soil feedback: interactions among biotic and abiotic drivers. *New Phytologist* 222,91-96.
165. Bueno G, Aldrich-Wolfe L, Chaudhary B, Gerz M, Helgason T, Hoeksema J, Klironomos J, Lekberg Y, Leon D, Maherali H, Öpik M, Zobel M, Moora M (2019) Misdiagnosis and uncritical use of plant mycorrhizal data are not the only elephants in the room: A response to Brundrett & Tedersoo. 2018. 'Misdiagnosis of mycorrhizas and inappropriate recycling of data can lead to false conclusions'. *New Phytologist*, in press.
166. Bennett JA, Koch AM, Forsythe J, Johnson NC, Tilman D, Klironomos J (2019) Resistance of soil biota and plant growth to disturbance increases with plant diversity. *Ecology Letters*, in press.
167. Kazemian N, Pakpour S, Milani AS, Klironomos J (2019) Environmental factors influencing fungal growth on gypsum boards and their structural biodeterioration: a university campus case study. *PLOS One*, <https://doi.org/10.1371/journal.pone.0220556>.