CURRICULUM VITAE

Josef H. Görres

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PROFESSIONAL WORK EXPERIENCE AND EDUCATION

Current Position:

2012 - present Associate Professor (63% Teaching/32% Research, 5% Service)

Education

1979	B.Sc. (honours) Physics. The Victoria University of Manchester
1982	Ph.D. Paper Physics. University of Manchester Institute of Science and Technology
1991	M.S. Natural Resources Science, University of Rhode Island.

Previous Positions:

2012 – present	Associate Professor, Plant and Soil Science, University of Vermont
2008 - 2012	Assistant Professor, University of Vermont
2004 – 2008	Co-Director of the URI SMILE Program, University of Rhode Island
2004 – 2008	Associate Research Professor, University of Rhode Island
2003 – 2004	Per-Course Instructor, University of Rhode Island
2002 – 2005	Co-Director/Evaluator for the Science and Literacy Integration Project, Rhode Island College
1999 – 2003	Associate Research Professor, University of Rhode Island
1997 – 2004	Co-Director of the NSF Guiding Education in Math and Science Network Local Systemic Change Initiative, University of Rhode Island
1994 – 1999	Assistant Research Professor, University of Rhode Island
1993 Summer	Invited Higher Scientific Officer, Institute of Terrestrial Ecology, Bangor, UK
1992 – 1994	Lecturer, Natural Resources Science, University of Rhode Island
1991 – 1992	Higher Scientific Officer, Institute of Terrestrial Ecology (Now Institute of Hydrology and Ecology), Bangor, UK.
1990 Summer	Invited Research Fellow, Empire State Paper Research Institute, Syracuse, NY
1989 – 2004.	Consultant, Pulp and Paper Research Institute of Canada, Montréal, Canada
1984 – 1988	Wolfson Foundation Research Fellow, Department of Pharmacy, University of Manchester, UK
1983 – 1984	Postdoctoral Fellow, College of Environmental Science and Forestry, State University of New York, Syracuse, NY.
1982 – 1983	Research Assistant, Department of Paper Science, University of Manchester Institute of Science and Technology, Manchester, UK.

RESEARCH PUBLICATIONS

A. PEER-REVIEWED JOURNAL ARTICLES, BOOK CHAPTERS OR CONFERENCE PROCEEDINGS

1. Mason, R., M.T. Niles, S.C. Merrill, J.H. Görres, J. Faulkner. 2019. Using Agricultural Models to Inform Policy: Discussion Points for Researchers and Policymakers. Submitted to Journal of Soil and water Conservation.
2. Mason, R. J. Görres, J. Faulkner, L. Doro, S.C. Merrill. 2019. Calibrating the APEX model: A step-by-step example. submitted to Applied Engineering in Agriculture.
3. Mason, R, S.C. Merrill, J. Görres, J. Faulkner, M.T. Niles. 2019. Agronomic and environmental performance of dairy farms in a warmer, wetter climate. Submitted to J. of Soil and Water Conservation.
4. Keller* E., Connolly*, S., Görres, J.H., J. Schall. Genetic diversity of an invasive earthworm, Lumbricus terrestris, at a long-

30. Amador, J.A., E. Nicosia, R.J. Hull, J. T. Bushoven, E. L. Patenaude, J. T. Bushoven. and J.H.Görres. 2007. Potential Nitrate Leaching Under Common Landscaping Plants. Water, Air and Soil Pollution. 185: 323-333.
31. Amador JA and Görres JH. 2007. Microbiological characterization of the structures built by earthworms and ants in an agricultural field. Soil Biology & Biochemistry 39 (8): 2070-2077.
32. Amador, J. A., J. H. Görres, and M. C. Savin. 2006. Effects of Lumbricus terrestris L. on nitrogen dynamics beyond the burrow. Applied Soil Ecology 33:61-66.
33. Amador, J. A., D. A. Potts, M. C. Savin, P. Tomlinson, J. H. Görres, and E. L. Nicosia. 2006. Mesocosm-scale evaluation of faunal and microbial communities of aerated and conventional septic system leachfield soils. Journal of Environmental Quality. 35:1160-1169
34. Amador, J. A., and J. H. Görres. 2005. Role of the anecic earthworm Lumbricus terrestris L. in the distribution of plant residue nitrogen in a corn (Zea mays) - soil system. Applied Soil Ecology 30:203-214.
35. Amador, J. A., D. A. Potts, E. L. Nicosia, and J. H. Görres. 2005. Aeration to improve the water quality and hydraulic functions of septic system leachfields. Proceedings of the 13th Northwest On-Site Wastewater Treatment Short Course and Equipment Exhibition, Seattle, WA.
36. J. A. Amador and J.H. Görres. 2005. Role of soil water content in the carbon and nitrogen dynamics of Lumbricus terrestris L. burrow soil. Applied Soil Ecology 28: 15

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46. Savin, M. C., J. H. Görres, D. Neher, and J. A. Amador. 2001. Biogeophysical factors influencing soil respiration and mineral nitrogen content in an old field soil. Soil Biology & Biochemistry 33:429-438
47. Görres, J.H., M.H. Stolt, J.A. Amador, C.P. Schulthess and P. A. Johnson. 2000. Soil pore manipulations to increase bioaccessible pore volume. Proceedings 32nd International Congress of the International Association of Hydrologists. Cape Town, Z.A. November, 2000.
48. Amador, J.A., Y. Wang, M.C. Savin and J.H. Görres. 2000. Fine-Scale Spatial Variability of Physical and Biological Soil Properties in Kingston, Rhode Island. Geoderma 98:83-94.
49. Neher, D.A. T.R. Weicht, M.C. Savin, J.H. Görres and J.A. Amador. 1999. Grazing in a porous environment. 2. Nematode community structure. Plant and Soil 212: 85-99.
50. Görres, J.H., M.C. Savin, D.A. Neher, T.R. Weicht and J.A. Amador. 1999. Grazing in a

12. Lindsey Ruhl and Josef H. Görres. 2014. Effects of Flooding on Soil Fertility at the Microtopographical Scale. SSSA Annual Meeting Long Beach. November2 -5, 2014
13. Korkmaz Belliturk and Josef H. Görres. 2014. The Evaluation of Olive Pruning Waste As a Vermicompost Feedstock. SSSA Annual Meeting Long Beach. November2 -5, 2014. (C)
14. Josef H. Görres, Korkmaz Belliturk, Ryan D.S. Melnichuk. 2014. Development and Life History Parameters of an Amynthas agrestis (Goto and Hatai, 1899) (Oligachaeta: Megascolecidae) Population in a Hardwood Forest in the Champlain Valley, Vermont, USA. International Society of Earthworm Ecology. Athens, Georgia.
15. Josef Görres and Sevim Turan. Blending Composted Urban and Rural Organic Wastes for Soil Fertility. GreInSus Conference, May 8 – 10, 2014, Izmir, Turkey.
16. Josef Görres Rachel Gilker and Jenn Colby. 2014 Benefits of Tillage Radish and Keyline Plowing for Pasture Management. Northeast Pasture Consortium Annual Conference & Meeting February 4 – 5, 2014.
17. Hüseyin Tecimen, Josef Görres and Ryan Melnichuk, Greenhouse Gas Emissions From Aggregates of a Mesocosm Soil Worked By Lumbricus Rubellus and Amynthas Agrestis. SSSA Annual Meetings in Tampa Florida November 3-7, 2013.
18. Ryan Melnichuk and Josef Görres. Influence of Earthworm Presence on Arisaema Triphyllum Corm Composition. SSSA Annual Meetings in Tampa Florida November 3-7, 2013.
19. Meghan Knowles, Donald Ross, Josef Görres. Earthworm Invasion in Northern Forests: Impact On Distribution of Soil Carbon oid38.86 Emther * nQm9)buti reWe4SSSA Annual Meeting:

46. Görres, J.H. 1993. Modeling nitrogen cycling at the Aber NITREX site. Annual NITREX meeting. Plas Menai, Wales, UK.
47. Görres, J.H. 1989. The interactive multi-planar model of paper structure. Seminar at PAPRICAN, Montreal, Canada.
48. Görres, J.H. and P. Luner. 1989. The apparent density of paper. Fall ESPRI Meeting, SUNY-ESF, Syracuse, NY.
49. Görres, J.H., C.S. Sinclair, and A. Tallentire. 1986. Paper Porosity and Basic Fibre Properties. In: Solid Mechanics advances in paper related industries. (R.W. Perkins, R.E. Mark and J.L. Thorpe, eds.) Proceedings of a National Science Foundation Workshop held at the Minnowbrook Conference Center, Syracuse University, August 13-15, 1986.
50. Görres, J.H. Kropholler, and P.Luner. 1985. Measuring Flocculation using image analysis. In Paper Making Raw Materials (ed. V. Punton). Transactions of the Eighth Fundamental Research Symposium, Oxford, UK.
51. Görres, J.H. 1985. Comparison of mercury intrusion porosimetry and liquid displacement porometry of paper webs. Coulter-Counter LTD User Group Seminar. Bedford, UK.
52. Görres, J.H. and P. Luner. 1983. Simulation of Paper Structure Using an Image Analysis System. 80th ESPRI- Meeting, SUNY-ESF , Syracuse, NY.
53. Görres, J.H. H. Kropholler and B. Clarke. 1981. Use of fast fourier analysis to characterize paper structure. In: The Role of Fundamental Research in Papermaking (ed. V. Punton). Transactions of the Seventh Fundamental Research Symposium, Cambridge, UK.

C. Papers in proceedings

1. Bellitürk, K., J.H. Görres, S.H. Turan, S. Göçmez, Y. Solmaz, Ö. Üstündağç Aç Adiloğlu. 2018. Use of Vermicompost in Olive Production. Conference: International Eurasian Congress on Natural Nutrition and Healthy Life, 12-15 July , 2018, Ankara, Turkey
2. Amador, J. A., D. A. Potts, E. L. Nicosia, and J. H. Görres. 2005. Aeration to improve the water quality and hydraulic functions of septic system leachfields. Proceedings of the 13th Northwest On-Site Wastewater Treatment Short Course and Equipment Exhibition, Seattle, WA.
3. Görres, J.H., R. Amiri, McDonald. 2001. The specific pore volume of multi-planar webs: The role of the short and long fibre fraction. In: (C.F. Baker, Ed.) The Science of Paper Making. FRC,
4. Görres, J.H., M.H. Stolt, J.A. Amador, C.P. Schulthess and P. A. Johnson. 2000. Soil pore manipulations to increase bioaccessible pore volume. Proceedings 32nd International Congress of the International Association of Hydrologists. Cape Town, Z.A. November, 2000.
5. Görres, J. H ., R. Amiri, J. Wood and A. Karnis. 1995. Role of fines on paper structure.

ASAE. Kansas City. II: 67-70.
8. Görres, J. H., A.J. Gold and J. Conrad. 1994. Modeling nitrate leaching at the aquifer scale using field enhanced GIS coverages. ASAE paper No. 94-3520.
9.. Bechdol, M.L., A.J. Gold and J.H. Görres. 1994. Modeling viral contamination from on-site wastewater disposal in coastal watersheds. In: E. Collins (ed.) On-site wastewater treatment: Proceedings of the 7th international symposium on individual and small community sewage systems. Atlanta, GA ASAE. 146-153
10. Görres, J.H., R. Amiri, J.R. Wood, and A. Karnis. March 1994. Mechanical pulp fines and sheet structure. TAPPI Paper Physics Seminar. Atlanta, GA.
11. Görres, J. H., R. Amiri, J.R. Wood and M. Grondin. 1993. Fibre collapse and sheet structure. Proceedings of the Fundamental Research Symposium, Oxford, U.K. 1993.
12. Görres, J.H., C.S. Sinclair, and A. Tallentire. 1992. Paper Porosity and Basic Fibre Properties. In: Solid Mechanics advances in paper related industries. (R.W. Perkins, R.E. Mark and J.L. Thorpe, eds.) Proceedings of a National Science Foundation Workshop held at the Minnowbrook Conference Center, Syracuse University, August 13-15, 1986.
13. Görres, J.H. Kropholler, and P. Luner. 1985. Measuring Flocculation using image analysis. In Paper Making Raw Materials (ed. V. Punton). Transactions of the Eighth Fundamental Research Symposium, Oxford, UK.
14. Görres, J.H. H. Kropholler and B. Clarke. 1981. Use of fast fourier analysis to characterize paper structure. In The Role of Fundamental Research in Papermaking(V. Punton, Ed.). Transactions of the Seventh Fundamental Research Symposium, Cambridge, UK.

D. BOOK CHAPTERS

1. Amador, J.A. and J.H. Görres. Soil Fauna. *In* (*Sylvia et al., eds.) Principles and Applications of Soil Microbiology, 2nd Edition.* Prentice Hall, 2004.
2. Görres, J.H. and J.A. Amador. *Soil Biology: Spatial Patterns*. *In (Hillel, D., ed.)* Encyclopedia of Soils in the Environment. Elsevier. 2004
3. Görres J.H. and J.A. Amador. Spatial Variability in Soils. 2nd Edition Encyclopedia of Environmental Science. 2019
4. Amador, J.A. and J.H. Görres. Soil Fauna. *In* (*Sylvia et al., eds.) Principles and Applications of Soil Microbiology, 3nd Edition.* Prentice Hall, 2020. In preparation.

E. INDUSTRIAL AND ACADEMIC REPORTS

1. Görres, J.H., P. Luner, and R. Grant. 1983. Simulation of Paper Structure Using an Image Analysis System. ESPRI- Research Report 80, SUNY-ESF , Syracuse, NY.
2. Görres, J.H. and P. Luner. 1989. The apparent Density of Paper. ESPRI- Research Report 91, SUNY-ESF, Syracuse, NY.
3. UN-

G.1 EXTENSION PUBLICATIONS, NEWSLETTER ARTICLES, SELECTED PRESS

1. J.H. Görres, Irrigation water management with gypsum blocks. Fact Sheet No 94-3. The Pawcatuck Watershed Project. April 1994
2. J.H. Görres. 2002. Earthworm Watch: Are Earthworms threatening RI Ecosystems? RI Natural History Survey Newsletter. Spring 2002.
3. University Of Rhode Island (2003, June 25). Alien Earthworms Changing Ecology Of Northeast Forests. *ScienceDaily (quoted)*
4. University Of Rhode Island (2003, June 25). Alien Earthworms Changing Ecology Of Northeast Forests. *News Wire (quoted)*
5. Killer Worms (2004, June 10).*The Osgood Files*. CBS Radio Network. (quoted)
6. When Worms Turn (December 11, 2006). *Boston Globe* (quoted).
7. Why do earthworms surface after rain. (April 14, 2010). *Scientific American.* (quoted). http://www.scientificamerican.com/article.cfm?id=why-earthworms-surface-after-rain
8. Why do earthworms surface after rain. (April 14, 2010). Accuweather. http://www.accuweather.com/blogs/news/story/28916/why-do-earthworms-surface-afte.asp?partner=accuweather
9. The Dark Side of the Worm. Interview with Jane Lindholm at Vermont Public Radio. October 10, 2013. http://digital.vpr.net/post/dark-side-earthworms
10. A stunning interview with Josef H. Gorres about worms. http://solucangubresi.web.tr/ek-yazilar/a-stunning-interview-with-josef-h-gorres-about-the-worms.html.
11. Invasive Earthworm Factsheet for the Horticultural Trade. January 2014. http://www.uvm.edu/~entlab/Greenhouse%20IPM/Invasive_Earthworms.pdf
12. Earthworm Invasions. Article by Josh Brown. http://www.uvm.edu/~uvmpr/?Page=news&storyID=16443 subsequently published in several other news outlets.
13. The earthworm nobody wants to know. Judith King. Connecticut Horticultural Society. 56:3. Winter 2013. http://www.cthort.org/media/files/2013_Nov_Dec_Winter_Newsletter.pdf
14. Crazy snake worm' threatening forests, gardens across northeast (December 23, 2104). Westerly Sun, Rhode Island
15. "Crazy snake" Earthworms threaten Vermont Forests (December 19, 2014). Burlington Free Press. http://www.burlingtonfreepress.com/story/life/green-mountain/2014/12/19/exotic-crazy-snake-worm-threatens-new-england-forests/20639211/
16. Josef Gö BDC q0.00q0.00024.0024ID 38>BDC q0.00000912 0 612 tTmiBGJET4 23MD 30>000012 792 n

3. Vermicomposting and invasive earthworms. University of Connecticut Worm Day. October 20, 2018
4. Invasive 'Snake Worm' Seminar. University of New Hampshire Extension. Urban Forestry Center. July 26,2018
5. Not your Grandparents Worms. University of Rhode Island. September 14, 2018
6. Thermophilic versus vermicomposting versus bokashi. University of Rhode Island. September 14, 2018
7. Crazy snake worms. North Branch Nature Center, Montpelier,VT, September 13, 2018.
8. Community Compost Training: How to avoid spreading the crazy snake worm. North Branch Nature Center, Montpelier,VT April 21, 2018
9. Invasive Snake Worms (Amynthas agrestis) – Agents of Change. 8th Main Invasive Species Network Annual Meeting, March, 16, 2018 (with M. Nouri-Aiin)
10. Snake Worm Presentation. Montpelier Tree Board. February 1, 2018
11. Snake Worms - not your grandparents' earthworm: How Japanese Earthworms Change Vermont Forests. Burlington Garden Club, April 25, 2017
12. Amynthas invasive earthworm species (Crazy Snake Worms) in forests in Vermont. Annual Meeting of the Green Mountain Division of the Society of American Foresters. Lake Morey Resort. February 17, 2017
13. Invasive earthworms in our gardens and woodlands. Hardy Plant Club. February 25, 2017.
14. Pheretimoid Amynthas Earthworms: the Second Wave of Forest Invasion. NAMSC Annual

of aquifer protection. USDA-NRI $136,000

3. M. Wallace and J. H. Görres. 1995. Big River Management Area Land Use Study. Water Resources Board. $10,000
4. J. H. Görres and J.A. Amador. 1995. Phosphorus sources and sinks in forested buffers. USGS-URI Water Resources Center $10,000
5. J.A. Amador and J. H. Görres. 1996. Riparian wetland forest soils and sinks and sources of phosphorus. USGS-URI Water Resources Center $8,036
6. J. H. Görres, J. Amador, S. Alm, P. Groffman and D. Neher. 1996. Interaction of pore size distribution, soil fauna and C and N mineralization. USDA-NRI $212,000
7. B. Young and J. H. Görres. 1996. GEMS-NET II. Eisenhower Grant, RIDE $35,000
8. M. Knisely, B. Young and J.H. Görres. 1997. The Kites/GEMS-NET Connection. NSF $49,984
9. B. Young, J.H. Görres, B. Sullivan, and R. Pockalny. 1997. GEMS-NET II. Eisenhower Grant, RIDE, $44,500
10. J.A. Amador and J.H. Görres. 1997. Mercury Porosimetry for Soil Ecological and Natural Resources Research. USDA-NRI $25,000, URI Match $25,000
11. B. Young, J.H. Görres, B. Sullivan-Watts, R. Pockalny and B. Fitzsimmons. 1998. GEMS-NET a local systemic change initiative. NSF $1,300,000
12. J.A. Amador, J.H. Görres and M.C. Savin. 1998. Interaction of soil fauna, soil structure, and nutrient cycling in earthworm burrows U.S.D.A. NRI $206,00
13. J.H. Görres. 1999. Inquiry centered learning in NRS. URI foundation $4,750
14. J.H. Görres, J.A. Amador and T. A Husband. 1999. U.S.D.A. NRI Equipment Grant: Image Analysis in CELS. $50,000, URI Match $63,000
15. J.H. Görres 2002. Effect of Exotic Earthworms on Forested Ecosystems in Rhode Island Watersheds. RI Agricultural Experiment Station. $40000.
16. B. Young, J. Görres, B. Sullivan-Watts, R. Pockalny and B. Fitzsimmons. 2003. GEMS-NET a local systemic change initiative: Bridging Grant. NSF $120,000
17. J. Görres. 2004. Do Anecic Earthworms Cause Nitrogen Losses from Field Plots Planted to Corn. USDA-NRI. $75,000
18. J. Görres, C. Englander and G. Lizano. 2004. Evaluation of the Science and Mathematics Investigative Learning Experience Program. Nellie Mae Educational Foundation. $38,000.
19. M. Lawrence and J. Görres. 2004. Science and Literacy Integration Project. RIDE. $96,000
20. M..Lawrence and J. Görres. 2004. Science and Literacy Integration Project. Regional Alliance at TERC. $10,000.
21. J. Amador, J. Görres, D. Potts, E. Nicosia. 2004. Evaluation of Leachfield Aeration Technology for Improvement of Water Quality and Hydraulic Functions in Onsite Wastewater Treatm1 64.824 5 G[. 200