

Curriculum Vitae: Peter Robert Minchin

Department of Biological Sciences, Box 1651
Southern Illinois University Edwardsville
Edwardsville, IL 62026-1651
U.S.A.

Phone: (618) 650-2975
Fax: (618) 650-3174
E-mail: pminchi@siue.edu
Web: www.siue.edu/~pminchi

Education

Ph.D. (Botany), **University of Tasmania**, April 1984.

B.Sc. (1st class Honours in Botany), **University of Tasmania**, April 1977.

B.Sc., **University of Tasmania**, April 1976.

Employment History

August 2004 to present: Assistant Professor, Department of Biological Sciences, Southern Illinois University Edwardsville.

June 2003 to July 2004: Research Assistant Professor and Lecturer, Department of Plant Biology, Southern Illinois University Carbondale.

January 1999 to May 2003: Instructor, Department of Biological Sciences, Louisiana State University.

April 1998 to July 1998: Visiting Scientist, Cooperative Research Centre for Sustainable Production Forestry, University of Tasmania.

April 1993 to March 1998: Lecturer (Assistant Professor), School of Botany, The University of Melbourne.

October 1986 to March 1993: Research Fellow, Department of Biogeography and Geomorphology, Australian National University.

March 1984 to May 1986: Postdoctoral Research Fellow, CSIRO Division of Water and Land Resources, Canberra.

January 1977 to December 1977: Secondary School Teacher, Cosgrove High School, Hobart.

Courses Taught

Southern Illinois University Edwardsville

Edwardsville, IL

Biology 111 (Contemporary Biology)
Biology 121 (Biology II Plant Systems)
Biology 151 (Introduction to Biological Sciences II)
Biology 365 (Ecology)
Biology 417 (Quantitative Methods in Experimental Biology)
Biology 463 (Conservation Biology)
Biology 490/590 (Topics in Biology: Ecological Analysis)
Biology 492 (Senior Colloquium)
Biology 497 (Senior Assignment)
Biology 596 (Graduate Seminar: Restoration Ecology)
Biology 596 (Graduate Seminar: Biological Effects of Climate Change)
Biology 596 (Graduate Seminar: Foundations of Ecology)

Southern Illinois University Carbondale**Carbondale, IL**

PLB 200 (General Plant Biology)
 PLB 444 (Quantitative Ecology)
 Biology 307 (Principles of Ecology)

Louisiana State University**Baton Rouge, LA**

Biology 1402 (General Plant Biology)
 Biology 1002 (General Biology II)
 Biology 1208 (Biology Laboratory for Science Majors I)
 Biology 1209 (Biology Laboratory for Science Majors II)
 Biology 1005 (Introductory Biology Laboratory)

University of Melbourne**Melbourne, Australia**

600-111 (Biology of Australian Fauna and Flora)
 600-202 (Introduction to Environmental Issues)
 606-204 (Plant Ecology)
 606-301/311 (Community and Ecosystem Ecology)
 606-310 (Field Botany)

Mentoring**Southern Illinois University Edwardsville****Edwardsville, IL****Undergraduate Research Students**

| | | |
|------------------------------------------------|-----------------------|-------------------|
| Magallanes, Miguel | Seidel, Sheila | Clark, Shannon |
| Hanley, Steve | Balestrieri, Nicholas | Finley, Alana |
| Wright, Kassondra | McIntyre, Cavan | Crawford, Curtis |
| Callahan, Maureen | Choudhury, Jessica | Romano, Meghan |
| Scaggs, Felicia (URA, jointly with Dr. Essner) | | Hartweger, David |
| Hogan, Kortney | Whicker, Cullen | Looft, Jerrod |
| Rennie, Lauren | French, Zachary (URA) | Browning, Roberta |
| Marchewka, Ryan | Andruska, Aaron | Webb, Leslie |
| Khan, Kamran | Klaas, Aubrie | Ozyurt, Nevin |
| Connor, Nichole | | |

Graduate Students (M.S.)

| | |
|---------------------------------|-----------|
| Bragg, Rachel (graduated) | 2007-2009 |
| McGuire, Ben (in progress) | 2008- |
| Laquet, Jennifer (in progress) | 2009- |
| Fritzgerald, Adam (in progress) | 2009- |
| French, Zachary (in progress) | 2010- |

Graduate Student Committees

| | | | |
|--------------------|-----------|-----------------|-----------|
| Ramirez, Raul | 2004-2005 | Allredge, Patsy | 2009-2010 |
| Reed, Jerry | 2005 | Smith, Jennifer | 2010- |
| Bolitho, Andrea | 2005-2006 | | |
| Kaufman, Samantha | 2006-2007 | | |
| Wendler, John | 2007-2008 | | |
| Wood, Travis | 2007- | | |
| Morlen, Ron | 2009-2010 | | |
| Schneider, Brandon | 2009- | | |

Southern Illinois University Carbondale

Carbondale, IL

Graduate Student Committees

West, Natalie (M.S. graduated)

2003-2005

Chandy, Shibi (Ph.D. graduated)

2003-2007

University of Melbourne

Australia

Undergraduate Research Students (Honours)

Ramp, Daniel

Williams, Nicholas

Singer, Ruth

Martin, Rachel

Blanks, Perpetua

Alexander, Jennifer

Tolsma, Arn

Sandercocock, Gabrielle

Read, Cassia

Graduate Student Committees

Coates, Fiona (Ph.D. graduated)

1993-1996

Pearce, Jennie (Ph.D. graduated)

1994-1997

Richdale, William (M.App.Sc. graduated)

1997-2000

Lee, Linda (Ph.D. graduated)

1997-2000

Ramp, Daniel (Ph.D. graduated)

1995-2001

Elith, Jane (Ph.D. graduated)

1997-2002

Postdoctoral Fellow

Regan, Helen

1997-1998

Main Research Interests

- The development and evaluation of robust statistical methods for the analysis of change in ecological communities and their application in conservation biology and restoration ecology.
- The analysis and modeling of the composition, structure and dynamics of ecological communities in relation to environmental gradients and disturbance regimes.

External Grants and Contracts

2011, National Great Rivers Research and Education Center (\$6,000): Effects of Prescribed Burning on Grassland Avifauna at Riverlands Migratory Bird Sanctuary (co-PI with Dr. Richard Essner and Charlie Deutsch).

2010, National Great Rivers Research and Education Center (\$6,000): Status of a Small Mammal Forest-Floor Community Assemblage in Southwestern Illinois (co-PI with Dr. Richard Essner).

2009, National Park Service, subcontract from **Louisiana State University (\$18,293):** Analysis of Ground Truthing Data for Lidar Vegetation Classification of Jean Lafitte National Park.

2009, US Geological Survey (\$20,000): Robust analytic methods in spatially complex systems.

2009, South Florida Water Management District (\$24,400): Statistical Support for Landscape Pattern and Trophic Level Monitoring.

2009, National Great Rivers Research and Education Center (\$6,000): Effects of White-tailed Deer on Bottomland Forest Restoration at the Confluence of the Mississippi and Illinois Rivers (Dr. Richard Essner was co-PI).

2008, Illinois Department of Natural Resources (\$2,000): A Multivariate Habitat Model for the State Threatened Cerulean Warbler and other Neotropical Migrant Songbirds in Southwestern Illinois (co-PI with Dr. Richard Essner).

2008, Illinois Ornithological Society (\$500): A Multivariate Habitat Model for the State Threatened Cerulean Warbler and other Neotropical Migrant Songbirds in Southwestern Illinois (co-PI with Dr. Richard Essner).

2008, National Great Rivers Research and Education Center (\$6,000): Patterns of Native and Exotic Plant Diversity in Fragmented Bluff Forests: a Test of the Biotic Resistance Hypothesis (Dr. Richard Essner was co-PI).

2008, National Great Rivers Research and Education Center (\$6,000): A Multivariate Habitat Model for the State Threatened Cerulean Warbler and other Neotropical Migrant Songbirds in Southwestern Illinois (co-PI with Dr. Richard Essner).

2007, National Great Rivers Research and Education Center (\$6,000): Establishment of Reference Sites for Bottomland Forest Restoration in the Confluence Region of the Mississippi and Illinois Rivers.

2007, National Great Rivers Research and Education Center (\$5,000): Assessment of the Invasion Potential of Introduced Tree Species in the Bluff Forests of the Illinois and Mississippi River Systems (Dr. William Retzlaff was co-PI).

2007, National Great Rivers Research and Education Center (\$5,950): Ecology of the Southern Flying Squirrel in a Fragmented Riparian Corridor (co-PI with Dr. Richard Essner).

2006, National Great Rivers Research and Education Center (\$5,500): Establishment of Monitoring Plots to Assess the Success of Bottomland Forest Restoration in the Two Rivers National Wildlife Refuge.

2004-2006, National Park Service (total \$50,000: subcontract to SIUE \$12,571): Effects of altered flows in the Congaree River on the floodplain forests of the Congaree Swamp National Monument (Dr. Rebecca Sharitz was co-PI).

1997-1998, Australian Research Council, Small Grant (\$14,000): Evaluation of methods for detecting change in natural communities of plants and animals.

1996-1998 Holsworth Wildlife Research Fund (total of \$7,000): Diet selection by kangaroos and its impact on native plant species and communities.

1995, Department of Conservation and Natural Resources, Native Forests Research and Development Grant (\$1,000): Effects of timber harvesting on wet forest in East Gippsland.

1994-1996, Australian Research Council, Small Grant (\$20,000): Role of competition in determining plant community patterns along environmental gradients.

Internal Grants

2008, Excellence in Undergraduate Education, SIUE (\$5,805): Development of a Biology Curriculum for Certification in Wildlife Biology (co-PI with Dr. Richard Essner).

2005, Summer Research Fellowship, Southern Illinois University Edwardsville (\$3,000): Evaluation of Trajectory Analysis, a New Tool for the Assessment of Restoration Success.

1993-1994, Special Initiatives Grant, Faculty of Science, The University of Melbourne (\$9,000): Role of competition in determining plant community patterns along environmental gradients.

Service

Department of Biological Sciences (SIUE)

| | |
|-------------------------------------------------------------|-----------|
| Planning Committee (Chair) | 2004-2009 |
| Greenhouse Committee | 2004-2011 |
| Executive Committee | 2006-2008 |
| Search Committee, Plant Cell/Molecular Physiologist (Chair) | 2007-2008 |
| Graduate Committee | 2009-2011 |
| Search Committee, Instructor | 2009-2010 |
| Library and Information Committee (Chair and Webmaster) | 2007-2011 |

University (SIUE)

| | |
|-----------------------------------------|-----------|
| Academic Standards and Policy Committee | 2005-2011 |
| Academic Land Use Committee | 2006-2011 |
| CAS Technology Advisory Committee | 2009-2011 |

Editorial Appointments

Associate Editor, *Plant Ecology* 2009-present.
Associate Editor, *Journal of Vegetation Science* 1991-1996.
Editorial board, *Journal of Vegetation Science* 1989-1991.
Editorial board, *Vegetatio* 1988-1989.

Memberships of Professional Societies

Illinois State Academy of Sciences. International Association for Vegetation Science.
Society of Wetland Scientists. Ecological Society of America.
Ecological Society of Australia.

Pending Peer-Reviewed Publications

Fruchter, J., **Looft, J.A.**, Battaglia, L.L., Paudel, S. & Minchin, P.R. (2011). Short-term changes in floating freshwater marsh communities in the Mississippi Deltaic Plain following Hurricanes Gustav and Ike. *Wetlands*, resubmitted after revision and in review.

Peer-Reviewed Publications

(mentored student authors are in bold text; journal 5-Year Impact Factor and number of citations in parentheses)

- West, N.M.**, Gibson, D.J. & Minchin, P.R. (2010). Microhabitat analysis of the invasive exotic liana *Lonicera japonica* Thunb. *The Journal of the Torrey Botanical Society*, 137, 380-390.
- Richter, L.A.**, Essner, R.L. & Minchin, P.R. (2010). A survey of bluff forest avifauna in southwestern Illinois. *Transactions of the Illinois State Academy of Science*, 103, 39-48.
- West, N.M.**, Gibson, D.J. & Minchin, P.R. (2009). Characterizing the microhabitats of exotic species in Illinois shale barrens. *Plant Ecology*, 200, 255-265. (2.026, 0)
- Battaglia, L.L., Pritchett, D.W. & Minchin, P.R. (2008). Evaluating dispersal limitation in passive bottomland forest restoration. *Restoration Ecology*, 16, 417-424. (2.349, 2)
- Collins, B., Minchin, P.R., Dilustro, J. and Duncan, L. (2006). Land use effects on groundlayer composition and regeneration of mixed pine hardwood forests in the Fall Line Sandhills, S.E. USA. *Forest Ecology and Management*, 226, 181-188. (2.633, 1)

- Klepzig, K.D., Robison, D.J., Fowler, G., Minchin, P.R., Hain, F.P. & Allen, H.L. (2005) Effects of mass inoculation on induced oleoresin response in intensively managed loblolly pine. *Tree Physiology*, 25, 681-688. (2.768, 10)
- Oksanen, J. & Minchin, P.R. (2002). Continuum theory revisited: what shape are species responses along ecological gradients? *Ecological Modelling*, 157, 119-129. (2.478, 80)
- Battaglia, L.L., Minchin, P.R. & Pritchett, D.W. (2002). Fifteen years of old-field succession and reestablishment of a bottomland hardwood forest in the southeastern USA. *Wetlands*, 22, 1-17. (1.619, 17)
- Martin, R.A.U.**, Burgman, M.A. & Minchin, P.R. (2001). Spatial analysis of eucalypt dieback at Coranderrk, Australia. *Applied Vegetation Science*, 4, 257-266. (1.629, 3)
- Pearce, J.** & Minchin, P.R. (2001). Vegetation of the Yellingbo Nature Conservation Reserve and its relationship to the distribution of the helmeted honeyeater, bell miner and white-eared honeyeater. *Wildlife Research*, 28, 41-52. (1.279, 3)
- Eckhard, W., Dörr, M., Rozefelds, A.C., Minchin, P.R. & Forster, P.I. (2000). Variation in flavonoid exudates in *Eucryphia* species from Australia and South America. *Biochemical Systematics and Ecology*, 28, 111-118. (1.190, 5)
- Fensham, R.J., Minchin, P.R., Fairfax, R.J., Kemp, J.E., Purdie, R.W., McDonald, W.J.F. & Neldner, V.J. (2000). Broad-scale environmental relations of floristic gradients in the Mitchell grasslands of Queensland. *Australian Journal of Botany*, 48, 27-34. (1.591, 8)
- Battaglia, L.L., Sharitz, R.R. & Minchin, P.R. (1999). Patterns of seedling and overstory composition along a gradient of hurricane disturbance in an old-growth bottomland hardwood community. *Canadian Journal of Forest Research*, 29, 144-156. (2.058, 38)
- Coates, F.**, Kirkpatrick, J.B. & Minchin, P.R. (1999). Towards an explanation of the causes of the rarity of two Tasmanian *Spyridium* species. *Australian Journal of Ecology*, 24, 11-17. (2.218, 5)
- Oksanen, J. & Minchin, P.R. (1997). Instability of ordination results under changes in input data order: explanations and remedies. *Journal of Vegetation Science*, 8, 447-454. (2.756, 148)
- Pandolfi, J.M. & Minchin, P.R. (1995). A comparison of taxonomic composition and diversity between coral reef life and death assemblages in Madang Lagoon, Papua New Guinea. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 119, 321-341. (2.786, 2)
- Veron, J.E.N. & Minchin, P.R. (1991). Correlations between sea surface temperature, circulation patterns and the distribution of hermatypic corals of Japan. *Continental Shelf Research*, 12, 835-857. (2.553, 32)
- Minchin, P.R. (1989). Montane vegetation of the Mt. Field massif, Tasmania: a test of some hypotheses about properties of community patterns. *Vegetatio*, 83, 97-110. (2.026, 35)
- Kantvilas, G. & Minchin, P.R. (1989). An analysis of epiphytic lichen communities in Tasmanian cool temperate rainforest. *Vegetatio*, 84, 99-112. (2.026, 73)
- Minchin, P.R. (1987). An evaluation of the relative robustness of techniques for ecological ordination. *Vegetatio*, 69, 89-107. (2.026, 475)
- Minchin, P.R. (1987). Simulation of multidimensional community patterns: towards a comprehensive model. *Vegetatio*, 71, 145-156. (2.026, 90)
- Faith, D.P., Minchin, P.R. & Belbin, L. (1987). Compositional dissimilarity as a robust measure of ecological distance. *Vegetatio*, 69, 57-68. (2.026, 540)

- Bowman, D.M.J.S. & Minchin, P.R. (1987). Environmental relationships of woody vegetation patterns in the Australian monsoon tropics. *Australian Journal of Botany*, 35, 151-169. (1.591, 59)
- Kirkpatrick, J.B., Minchin, P.R. & Davies, J.B. (1985). Floristic composition and macroenvironmental relationships of Tasmanian vegetation containing bolster plants. *Vegetatio*, 63, 89-96. (2.026, 3)
- Brown, M.J., Ratkowsky, D.A. & Minchin, P.R. (1984). A comparison of detrended correspondence analysis and principal co-ordinates analysis using four sets of Tasmanian vegetation data. *Australian Journal of Ecology*, 9, 273-279. (2.218, 10)

Recent Juried Conference Presentations (mentored student authors in bold)

- McGuire, B.M.** & Minchin, P.R. (2011) *Effects of White-tailed Deer (Odocoileus virginianus) on Bottomland Forest Restoration at the Confluence of the Mississippi and Illinois Rivers*. Bottomland Ecosystem Restoration Conference, National Great Rivers Research and Education Center, Collinsville, IL, March 8-10, 2011.
- Minchin, P.R. & **Rennie, L.** (2010). *Does the Hellinger transformation make PCA a viable ordination method for community data?* Ecological Society of America 95th annual meeting, Pittsburgh, PA, August 1-6, 2010.
- Minchin, P.R. & Oksanen, J. (2010). *Does nonlinear rescaling of axes in detrended correspondence analysis (DCA) produce ecologically meaningful measures of beta diversity?* Illinois State Academy of Sciences 102nd annual meeting, Decatur, IL, April 9-10, 2010.
- Browning, R.,** Minchin, P.R. & Retzlaff, W.A. (2010). *Invasion potential of golden rain tree in bluff forests of the Mississippi River*. Illinois State Academy of Sciences 102nd annual meeting, Decatur, IL, April 9-10, 2010.
- French, Z.L.,** Minchin, P.R. and Essner, R. (2010). *Analysis of habitat utilization and foraging behavior of two species of woodpeckers in fragmented oak-hickory forest*. Illinois State Academy of Sciences 102nd annual meeting, Decatur, IL, April 9-10, 2010.
- Fritzgerald, A.** & Minchin, P.R. (2010). *A quantitative assessment of the effectiveness of buffer zones in conserving the core forest habitat in oak-hickory forest fragments*. Illinois State Academy of Sciences 102nd annual meeting, Decatur, IL, April 9-10, 2010.
- Harster, L.,** Minchin, P.R. & Essner, R. (2010). *Avian community succession in bottomland forest restoration sites in the Upper Mississippi Alluvial Valley*. Illinois State Academy of Sciences 102nd annual meeting, Decatur, IL, April 9-10, 2010.
- Laquet, J.** & Minchin, P.R. (2010). *Predictors of the diversity of the spring ephemeral community in a fragmented landscape*. Illinois State Academy of Sciences 102nd annual meeting, Decatur, IL, April 9-10, 2010.
- McGuire, B.M.** & Minchin, P.R. (2010). *Effects of white-tailed deer on the early growth and survival of bottomland hardwood tree species in restoration sites*. Illinois State Academy of Sciences 102nd annual meeting, Decatur, IL, April 9-10, 2010.
- Oksanen, J. & Minchin, P.R. (2009). *Does nonlinear rescaling of axes in detrended correspondence analysis (DCA) and detrended canonical correspondence analysis (DCCA) produce ecologically meaningful measures of beta diversity?* Ecological Society of America 94th annual meeting, Albuquerque, NM, August 2-7, 2009.

- McGuire, B.M.,** Minchin, P.R. & Essner, R. (2009). *Effects of white-tailed deer (Odocoileus virginianus) on bottomland forest restoration at the confluence of the Mississippi and Illinois*

- Rivers*. 2009 National Great Rivers Research and Education Center Summer Intern Symposium, Alton, IL, July 27-28, 2009.
- Bragg, R.**, Minchin, P.R., Eder, S. & Esselman, E. (2009). *Genetic structure of the single remaining Trillium flexipes (Liliaceae) population on the SIUE campus*. Illinois State Academy of Sciences 101st annual meeting, Edwardsville, IL, April 17-18, 2009.
- French, Z.L.** & Minchin, P.R. (2009). *Quantitative assessment of edge effects in oak-hickory forest fragments in southwestern Illinois*. Illinois State Academy of Sciences 101st annual meeting, Edwardsville, IL, April 17-18, 2009. Awarded prize for best student poster in the Botany section.
- Looft, J.** & Minchin, P.R. (2009). *Patterns of native and exotic plant diversity in oak-hickory forests in southwestern Illinois: a test of the biotic resistance hypothesis*. Illinois State Academy of Sciences 101st annual meeting, Edwardsville, IL, April 17-18, 2009.
- McGuire, B.M.** & Minchin, P.R. (2009). *Effects of white-tailed deer (Odocoileus virginianus) and flooding on the early growth and survival of bottomland hardwood tree species: a Master's research proposal*. Illinois State Academy of Sciences 101st annual meeting, Edwardsville, IL, April 17-18, 2009.
- Rennie, L.** & Minchin, P.R. (2009). *Does the Hellinger transformation make PCA a viable ordination method for community data?* Illinois State Academy of Sciences 101st annual meeting, Edwardsville, IL, April 17-18, 2009.
- Richter, L.**, Essner, R. & Minchin, P.R. (2009). *A multivariate habitat model for neotropical migrant songbirds in southwestern Illinois*. Illinois State Academy of Sciences 101st annual meeting, Edwardsville, IL, April 17-18, 2009.
- Minchin, P.R. (2008). *On the importance of standardization by species in the exploratory analysis of community data*. Ecological Society of America 93rd annual meeting, Milwaukee, WI, August 3-8, 2008.
- Looft, J.**, Minchin, P.R. & Essner, R. (2008). *Patterns of native and exotic plant diversity in fragmented bluff forests: a test of the Biotic Resistance Hypothesis*. 2008 National Great Rivers Research and Education Center Summer Intern Symposium, Godfrey, IL, August 4-5, 2008.
- Richter, L.**, Essner, R. & Minchin, P.R. (2008). *A multivariate habitat model for neotropical migrant songbirds in southwestern Illinois*. 2008 National Great Rivers Research and Education Center Summer Intern Symposium, Godfrey, IL, August 4-5, 2008.
- Minchin, P.R., **Hanley, S.M.**, **Balestrieri, N.** & **Romano, M.C.** (2008). *Evaluation of bottomland forest restoration in the confluence region of the Mississippi and Illinois Rivers*. Society of Wetland Scientists 29th annual meeting, Washington, D.C., May 26-30, 2008.
- Choudhury, J.**, Retzlaff, W.A. & Minchin, P.R. (2008). *Invasion potential of introduced tree species in oak-hickory forest at The Mississippi Sanctuary, Godfrey, Illinois*. Illinois State Academy of Sciences 100th annual meeting, Champaign, IL, April 5-6, 2008.
- Hanley, S.M.** & Minchin, P.R. (2008). *Establishment of monitoring plots to evaluate bottomland forest restoration in the Two Rivers National Wildlife Refuge, Illinois*. Illinois State Academy of Sciences 100th annual meeting, Champaign, IL, April 5-6, 2008.
- Minchin, P.R. (2008). *On the importance of standardization by species in the exploratory analysis of community data*. Illinois State Academy of Sciences 100th annual meeting, Champaign, IL, April 5-6, 2008.

- Minchin, P.R., & Sharitz, R.R. (2007). *Effects of altered flows in the Congaree River on the floodplain forests of the Congaree National Park, SC*. Ecological Society of America 92nd annual meeting, San José, CA, August 5-10, 2007.
- Choudhury, J.**, Minchin, P.R. & Retzlaff, W.A. (2007). *Assessment of the Invasion Potential of Introduced Tree Species in the Bluff Forests of the Illinois and Mississippi River Systems.*. 2007 National Great Rivers Research and Education Center Summer Intern Symposium, Godfrey, IL, July 31-August 1, 2007.
- Romano, M.C.** & Minchin, P.R. (2007). *Establishment of Reference Sites for Bottomland Forest Restoration in the Confluence Region of the Mississippi and Illinois Rivers.*. 2007 National Great Rivers Research and Education Center Summer Intern Symposium, Godfrey, IL, July 31-August 1, 2007.
- Scaggs, F.**, Essner, R. & Minchin, P.R. (2007). *Ecological and Genetic Monitoring of Southern Flying Squirrels in a Fragmented Riparian Corridor*. 2007 National Great Rivers Research and Education Center Summer Intern Symposium, Godfrey, IL, July 31-August 1, 2007.
- Minchin, P.R., & Sharitz, R.R. (2007). *Effects of altered flows in the Congaree River on the floodplain forests of the Congaree National Park, SC*. Illinois State Academy of Sciences 99th annual meeting, Springfield, IL, April 20-21, 2007.
- Balestrieri, N.** & Minchin, P.R. (2007). *Evaluating bottomland forest restoration in the Two Rivers National Wildlife Refuge, IL*. Illinois State Academy of Sciences 99th annual meeting, Springfield, IL, April 20-21, 2007.
- Finley, A.** & Minchin, P.R. (2007). *Dendrochronology of ash (Fraxinus sp.) in Sweet William Woods, Edwardsville, IL*. Illinois State Academy of Sciences 99th annual meeting, Springfield, IL, April 20-21, 2007.
- Wright, K.** & Minchin, P.R. (2007). *Comparison of the edge zones of two forests near Edwardsville, IL*. Illinois State Academy of Sciences 99th annual meeting, Springfield, IL, April 20-21, 2007.
- Collins, B. & Minchin, P.R. (2006). *Multiple land use effects on upland forest vegetation of a heterogeneous military site*. Ecological Society of America 91st annual meeting, Memphis, TN, August 7-11, 2006.
- Bolitho, A., Crawford, C.,** Minchin, P.R., Schulz, K.E. & Retzlaff, W.A. (2006). *Dispersal potential of non-indigenous tree species at The Nature Institute, Godfrey, IL*. Ecological Society of America 91st annual meeting, Memphis, TN, August 7-11, 2006.
- West, N.M.,** Gibson, D.J. & Minchin, P.R. (2006). *Exotic species microhabitats in Illinois shale barrens*. Ecological Society of America 91st annual meeting, Memphis, TN, August 7-11, 2006.
- Hanley, S.M.** & Minchin, P.R. (2006). *Quantitative assessment of bottomland forest restoration in the Two Rivers National Wildlife Refuge*. 2006 National Great Rivers Research and Education Center Summer Intern Symposium, Godfrey, IL, August 8-9, 2006.
- Minchin, P.R., Folk, M. & Gordon, D. (2005). *Trajectory Analysis: a New Tool for the Assessment of Success in Community Restoration*. Ecological Society of America 90th annual meeting, Montreal, Quebec, August 7-12, 2005.
- Minchin, P.R., Folk, M. & Gordon, D. (2005). *Trajectory Analysis: a New Tool for the Assessment of Success in Community Restoration*. Society of Wetland Scientists 26th annual meeting, Charleston, South Carolina, June 5-10, 2005.

- Minchin, P.R. (2003). *Stepwise ANOSIM: finding the subset of species that optimally discriminates groups of sampling units*. Ecological Society of America 88th annual meeting, Savannah, Georgia, August 3-8, 2003.
- Minchin, P.R., Folk, M. & Argo, B. (2001). *Development and application of robust multivariate tools for evaluating the success of wetland restoration*. Ecological Society of America 86th annual meeting, Madison, Wisconsin, August 5-10, 2001.
- Oksanen, J. & Minchin, P.R. (2001). *Continuum theory revisited: what shape are species' responses along ecological gradients?* Ecological Society of America 86th annual meeting, Madison, Wisconsin, August 5-10, 2001.
- Minchin, P.R. (1999). *Ordination: Mathematical Elegance and Ecological Naïveté Revisited*. Ecological Society of America 84th annual meeting, Spokane, Washington, August 8-13, 1999.
- Minchin, P.R., Regan, H. & Davies, C. (1998). *The statistical power of ANOSIM in community analysis*. Ecological Society of America 83rd annual meeting, Baltimore, Maryland, August 2-8, 1998.
- Oksanen, J. & Minchin, P.R. (1997). *Instability of ordination results under changes in input data order: explanations and remedies*. Ecological Society of America 82nd annual meeting, Albuquerque, New Mexico, August 10-14, 1997.
- Minchin, P.R. (1996). *Putting the record straight: why detrended correspondence analysis is not the optimal technique for community ordination*. Ecological Society of America 81st annual meeting, Providence, Rhode Island, August 11-15, 1996.
- Minchin, P.R. (1995). *The role of interspecific competition in determining meso-scale community patterns*. Plenary paper, 38th Symposium of the International Association for Vegetation Science, Houston, Texas, June 4-9, 1995.

Other Publications

- Minchin, P. R. and R. R. Sharitz. (2007). [Effects of Altered Flows in the Congaree River on the Floodplain Forests of the Congaree National Park. Contract report to the National Park Service, 43 pp.](#)
- Minchin, P. R. (2003). Analysis of monitoring data from Disney Wilderness Preserve. Contract report to The Nature Conservancy, 30 pp.
- Minchin, P. R. (2003). Stealth learning: Acquiring knowledge about vascular plant structure while using a vegetative key. Pages 87-102, *in* Tested studies for laboratory teaching, Volume 24 (M. A. O'Donnell, Editor). Proceedings of the 24th Workshop/Conference of the Association for Biology Laboratory Education (ABLE), 334 pages.
- Minchin, P.R. (2000). General Plant Biology Lab Manual. Department of Biological Sciences, Louisiana State University, Baton Rouge.
- Ulrey, C.J., T.R. Wentworth, and P.R. Minchin. (1999). A comparison of detrended correspondence analysis and non-metric multidimensional scaling using vegetation data from the southern Appalachians. *ASB Bulletin* 46:184.
- Ulrey, C.J., P.R. Minchin, and T.R. Wentworth. (1999). Objective evaluation of clustered data: using analysis of similarity to identify class structure. Ecological Society of America, 84th Annual Meeting, Spokane, Washington, August 8-12, 1999:204.
- Minchin, P.R., Regan, H.M. & Davies, C. (1998). The statistical power of ANOSIM in community analysis. *In: Ecological exchanges between major ecosystems*. Ecological Society of America, 83rd Annual Meeting, Spokane, Washington, August 8-12, 1998:95.
- Sluiter, I.R.K., Minchin, P.R. & Jaensch, S. (1997). The buloke and pine woodlands of semi-arid and dry sub-humid Victoria and nearby areas. Ogyris Ecological Research Report No. 97/02, Ogyris Ecological Research, Birdwoodton, Victoria.

- Minchin, P.R., Mueck, S.G., Wierzbowski, P. & Swayn, K.L. (1996). The Impact of Timber harvesting on the Flora of Damp Forests in East Gippsland, Victoria: The VAUS Experimental Coupes 18 Months after Harvesting. Report to the Department of Natural Resources and Environment, Victoria.
- Minchin, P.R. (1986). *How to use ECOPAK: an ecological database system*. CSIRO Division of Water and Land Resources, Technical Memorandum no. 86/6.
- Faith, D.P., Minchin, P.R. & Belbin, L. (1985). Parsimony and falsification in ecology: towards an assumption-free approach to the study of species' response to gradients. *Studies in Plant Ecology*, 16, 31-32.
- Belbin, L., Faith, D.P. & Minchin, P.R. (1984). *Some algorithms contained in the numerical taxonomy package NTP*. CSIRO Division of Water and Land Resources, Technical Memorandum 84/23.
- Minchin, P.R. (1983). *A comparative evaluation of techniques for ecological ordination using simulated vegetation data and an integrated ordination-classification analysis of the alpine and subalpine plant communities of the Mt. Field plateau, Tasmania*. Ph.D thesis, Botany Department, University of Tasmania.
- Minchin, P.R. (1981). The Montane Vegetation. In *The Vegetation of Tasmania*, ed. W.D. Jackson, pp. 85-99. Canberra: Australian Academy of Science (for XIII International Botanical Congress, Sydney).
- Minchin, P.R. (1977). *The detection of pattern and association in line transect data*. Honours thesis, Botany Department, University of Tasmania.