

Curriculum Vitae of Robert K. Peet

December 2021

Address: Department of Biology - CB#3280 6713 Pauline Drive
University of North Carolina Chapel Hill, NC 27514
Chapel Hill, NC 27599-3280 Email: peet@unc.edu
Website: <http://www.bio.unc.edu/faculty/peet/>
Google Profile: <http://scholar.google.com/citations?user=8vsRBCgAAAAJ&hl=en>
Telephone: Voice 919-962-6942 Home 919-408-0421
Fax 919-962-1625 Cell 919-368-4971

Education: 1975 Ph.D., Cornell University, in Ecology
1971 M.S., University of Wisconsin Madison, in Botany
1970 B.A. with honors, University of Wisconsin Madison, in Botany

Employment & Appointments:

2018-p Research Professor, University of North Carolina at Chapel Hill
1989-18 Professor, University of North Carolina at Chapel Hill
1980-89 Associate Professor, University of North Carolina at Chapel Hill
1975-80 Assistant Professor, University of North Carolina at Chapel Hill

2006-p Research Associate, University of North Carolina Herbarium
2008 Interim Director, Institute for the Environment, UNC at Chapel Hill
2003-08 Chair, Curriculum in Ecology, UNC at Chapel Hill
2008-09 Fellow, National Evolutionary Synthesis Center
2001-02 Fellow, National Center for Ecological Analysis & Synthesis
2001-04 Adjunct Professor, Louisiana State University, Baton Rouge
1982-83 Associate Chairman, Department of Biology, UNC at Chapel Hill

Honors: 2021 NC Friends of Plant Conservation, Distinguished Member Award.
2016 International Association for Vegetation Science, Honorary Member
2012 Ecological Society of America, Elected Fellow
1995 Ecological Society of America, Distinguished Service Award
1984 American Association for the Advancement of Science, Elected Fellow
1966-70 Phi Eta Sigma, Phi Kappa Phi, Phi Beta Kappa, Sigma Xi

Examples of Editorial & Review Service:

Editorial Board, US National Vegetation Classification (2017-p)
International Advisory Board, *Ecosystem Health and Sustainability* (2013-p)
Consulting Editor, *Journal of Vegetation Science* (2001-p)
Consulting Editor, *Applied Vegetation Science* (2001-p)
Advisory Editorial Board, Cambridge Studies in Ecology, Camb. Univ. Pr. (2002-2010)
Editor-in-Chief, *Ecology* (1996-2001)
Editor-in-Chief, *Ecological Monographs* (1996-2001)
Co-Editor-in-Chief: *Journal of Vegetation Science* (1989-1995)
Panel Member: NSF (1988-1991, 2002-2003)

Panel Member: Sigma Xi Grants-in-Aid (1992-1995)
Board of Editors: *Ecology* and *Ecological Monographs* (1982-85)
Editorial Board: *Vegetatio* (1981-1989)
Reviewer: Over 60 professional journals and publishing firms.
Reviewer: Over 20 granting agencies

Examples of professional service and leadership:

American Institute of Biological Science

BioOne Advisory Committee (1996-2000)
Publications Committee (2007-2009)

Biodiversity Information Standards (TDWG)

Taxonomic Names and Concepts Group (2006-p)
Biological Observations Standards Group (2007-p)
Vegetation Observation Data Exchange Task Group, Co-Chair (2007-p)

Carolina Wetlands Association

Science Committee (2015-2018)

Catawba Lands Conservancy

Scientific Advisory Committee (2007-2013)

Ecological Society of America

Member (1969-p)
Secretary (1992-1995)
Executive Committee (1992-1995)
Vegetation Section, Chair (1991-1992), Vice Chair (1990-1991), Secretary (1983-1984)
Southeastern Chapter, Chair (1984-1986), Vice Chair (1982-1983), Secretary (1976-1977)
Cooper Award Committee, Chair (1988-1991), Member (1985)
Special Committee on Awards, Chair (1985-1986)
Awards Committee (1988-1991)
Buell Award Committee (1982)
Editorial Board (1982-1985)
Historical Records Committee (2000-p)
JSTOR Advisory Committee (1997-2003)
Nominations Committee (1994-1995)
Program Committee (1984-1986, 1991-1995)
Publications Committee (1995-2009)
Special Committee on Administrative Reorganization of the Society (1993-1994)
Special Committee to Review the Forest Management Assessment Team Report (1993)
ESA Vegetation Classification Panel(1994-p), Executive Committee (1994-2018),
ESA Vegetation Classification Panel: Data Committee (2018-p), Editorial Board (2018-p)

Federal Geographic Data Committee

Vegetation Subcommittee (≤ 2006-p)

Friends of Plant Conservation

President (2020)
Board of Directors (2017-p)
Nominations Committee (2019)

Foundation for the Carolinas

Redlair Foundation, Board of Directors (2013-p)

Highlands Biological Station

Board of Directors (1990-93).

International Association for Vegetation Science

Member (1980-p)
President (2007-2011)
Vice President and Publication Officer (2011-2015)
Council, Elected member (1990-p)
Awards Committee (2008-2011)
Publications Committee (1989-95, 2001-p)
Working Group for Ecoinformatics (2003-p), Chair (2003-2012)
Working Group for Vegetation Classification (2016-p), Steering Committee (2018-19)
North American Section (1983-p), Secretary (1983-86)
Annual Symposia & Meetings, Organizing Committee &/or Scientific Advisory Committee (1995, 1997, 1998, 2000, 2007-2011, 2013, 2014, 2016, 2019, 2020, 2022).
Nominations committee (2011, 2015, 2019)
Audit Committee (2019-p)
Business Office Committee (2013-14, 2019-20)

National Ecological Observatory Network.

Plant Diversity and Phenology Technical Working Group (2017-p)
Data Standards Technical Working Group (2010-2019)
Plant Diversity and Terrestrial Observation Working Group (2013-2017)

North Carolina Museum of Natural Sciences

Advisory Commission (2008-2016)

North Carolina Nature Conservancy

Board of Consultants (1985-2002)
Stewardship Committee (1987-1999)

North Carolina Plant Conservation Program

Redlair Stewardship Committee, Chair (2013-p)

Organization for Tropical Studies

Board of Directors (1987-1997, 2003-2013)

Southern Appalachians Botanical Society

Member (1975-p)
Journal Review Committee, Chair (2010-2012)

Southern Appalachian Highlands Conservancy

Member (1978-p)

Board of Directors (1982-1987)

U.S. Federal Geographic Data Committee

Subcommittee on Vegetation Classification (2000-p)

Subcommittee on Biological Nomenclature (2000-2005)

Selected synergistic activities and examples of professional leadership:

- 2011-p I collaborated with a broad group of international partners to establish the Global Index of Vegetation Plot Databases (GIVD) to facilitate aggregation of large datasets and advance ecoinformatics initiatives. (<http://GIVD.info>)
- 2008-p I am co-leading a working group (BIEN) co-sponsored by the National Center for Ecological Analysis and Synthesis and the iPlant Collaborative (now CyVerse) to pull together as an integrated data set of all available digital plant occurrence and co-occurrence records for the new world. This dataset contains in excess of 15,000,000 plant occurrence records representing close to 100,000 plant taxa and which is allowing our group and others to conduct novel analyses such as projection of the impact of scenarios of global change and analysis of patterns of diversity and co-occurrence in ecological communities spanning broad geographic distances.
<http://www.nceas.ucsb.edu/featured/enquist>; <https://bien3.org/>;
<http://tnrs.iplantcollaborative.org/>
- 2007-p I have led an effort to reorganize and revitalize the International Association for Vegetation Science. The assets of the organization increased from under \$50,000 to approximately \$270,000 during my 4-year term as President, and we have initiated numerous programs to modernize the organization and better serve its members. Our vision statement can be seen at <http://www.iavs.org/uploads/IAVS-Vision.pdf>.
- 2007-p I co-organized a set of international workshops and then worked with the core participants to develop VegX, an international XML data exchange standard for vegetation plot data. The resulting standard is now before TDWG for consideration as a new international data exchange standard. This standard should facilitate large-scale integration of vegetation plot data and allow for the first time examination of patterns of assembly of ecological communities globally using millions of plot records. <http://labs.bio.unc.edu/Peet/pubs/JVS-VegX.pdf>
- 2005-p I have worked with colleague Alan Weakley and former postdoc Xianhua Liu to create the first ever large-scale implementation of the taxon concept approach to biodiversity data integration in the form of the SE Floristic Atlas. This system combines roughly 2.5 million taxon occurrence records using approximately 80,000 taxon concept relationships pertaining to roughly 8500

taxa to integrate data of diverse provenance seamlessly for the region. It serves as a model for the future integration of taxonomically-linked data.
<http://www.herbarium.unc.edu/seflora/firstviewer.htm>

- 1998-p I am organizer, director and PI of a collaborative program of the Ecological Society of America, the USGS, NatureServe, and the National Center for Ecological Analysis and Synthesis to develop the information system and database architecture for a US National Vegetation Plot Database in support of both the U.S. National Vegetation Classification and the broader field of Ecoinformatics. <http://www.vegbank.org>
- 1994-p I proposed and organized (in collaboration with Dennis Grossman, Michael Jennings and Michael Barbour) the Ecological Society Vegetation Panel to provide professional oversight, review, evaluation, and standardization of vegetation classifications used by federal agencies, conservation organizations, and academic organizations. I continue to serve on the Executive Committee of the Panel. (<http://www.esa.org/vegweb/>)
- 1988-p I established and continue to coordinate the Carolina Vegetation Survey, a 30-year, multi-institution and agency collaboration dedicated to documentation of the natural vegetation of the Carolinas. We have had over 1100 volunteers participate in our field research events.
<http://www.bio.unc.edu/faculty/peet/lab/CVS/>
- 2011-14 I collaborated with partners to design and create the Taxonomic Name Resolution Service, an informatics initiative to allow correction and standardization of plant names. (<http://tnrs.iplantcollaborative.org>)
- 2006-13 I have worked with the Ecosystem Enhancement Program of NC DENR and the US Army Corps of Engineers to develop new and more effective approaches to compensatory mitigation for wetland damage. Changes we have introduced are making the system more effective, less risk adverse, and saving the citizens of North Carolina millions of dollars. We have worked to facilitate adoption of our methods in other states such as West Virginia.
<http://cvs.bio.unc.edu/tools/predicttargetveg-help/predicttargetveg-help.html>
- 2004-07 My colleagues and I collaboratively designed, reviewed and submitted for approval as an international data standard the Taxon Concept Schema (TCS). TCS is an XML schema for data exchange, now approved by TDWG as an international standard, and is designed to allow integration of data from multiple diverse sources where one name could refer to multiple taxa and one taxon could have multiple names. This is arguably the biggest impediment to large-scale data integration in the biological sciences.
<http://rs.tdwg.org/ontology/voc/TaxonConcept>
- 1997-08 I developed copyright ownership and use policies for UNC, first as Chair of the Provost's special Committee on Copyright, and then as Chair of the

Subcommittee on Ownership Policy of the UNC System-wide Task Force on Intellectual Property.

- 1997-98 While Editor-in-Chief of *Ecology* and *Ecological Monographs*, I designed and implemented *Ecological Archives* (<http://esapubs.org/Archive/>), a new digital publication of the Ecological Society of America for electronic appendices, supplements and data papers. Over 50% of papers published in these journals now deposit supplemental material in *Archives*.
- 1993-94 While Secretary of the Ecological Society of America I designed a major revision of the governing structures of the Society and wrote the new Constitution and Bylaws.
- 1990 I established (in collaboration with E. van der Maarel) the *Journal of Vegetation Science*, the official organ of the International Association for Vegetation Science. Van der Maarel and I served as Coeditors-in-Chief from inception until I took over the journals of the Ecological Society of America in 1996.
- 1982 I established the North American Section of the International Association for Vegetation Science
- 1982 I established the Vegetation Section of the Ecological Society of America
- 1976 I co-organized and was the first Secretary of the Southeastern Chapter of the Ecological Society of America.

Selected publications:

Digital Resources:

- 2012-p. Global Index of Vegetation Plot Databases. This is a resource to discover and potentially exploit the many vegetation plot databases that exist across the world. At present over 2.3 million vegetation plots are registered in GIVD from over xx countries. It is our 3expectation that this resource will allow many broad-scale syntheses of a sort and significance that have not heretofore been possible. <http://givid.org>
- 2011-p. Vegetation Prediction Tool (Website and software). This is a tool for creating restoration targets, given site conditions. It is intended for use by government agencies and their contractors. Currently we provide versions for the Carolinas and for West Virginia and are working with collaborators to provide even broader geographic coverage. <http://cvs.bio.unc.edu/tools/predicttargetveg-help/predicttargetveg-help.html>
- 2011-p. Taxonomic Name Resolution Service. Joint-PIs: B. Boyle (UAZ), B. Enquist (UAZ), R. Condit (STRI), R.K. Peet (UNC). Cleaning and parsing of taxonomic names provide a major challenge in the modern world of big data. TNRS is intended to provide a tool to greatly simplify and accelerate this process. <http://tnrs.iplantcollaborative.org/>

- 2010-p. Botanical Information and Ecology Network (website and database). This is a data resource documenting the occurrence and co-occurrence of new world plants. It incorporates records from over 12 million observations of plant occurrences spanning over 200,000 species. <http://bien.nceas.ucsb.edu/bien/>, <https://bien3.org/>.
- 2005-p. *Atlas of the Flora of the Southeastern United States*. Digital atlas and database integrating diverse data using taxonomic concept relationships. With co-authors Xianhua Liu and Alan S. Weakley, created, designed, implemented, and directed. We currently direct and maintain this site for the Society of Herbarium Curators, the SERNEC (NSF-RCN), and NBII. <http://www.herbarium.unc.edu/seflora/>
- 2004-p. *Vegetation of the Carolinas*. Carolina Vegetation Survey (CVS: Peet, Wentworth, Schafale, Weakley, Boyle & Lee). This site uses original CVS data to provide baseline documentation of the approximately 500 vegetation types of the National Vegetation Classification that occur in the Carolinas. <http://cvs.bio.unc.edu/>, and especially <http://cvs.bio.unc.edu/vegetation.htm>.
- 2000-p. *VegBank*. The vegetation plot archive of the Ecological Society of America. Adapted as a Federal Standard by the U.S. Federal Geographic Data Committee, 2008. Created, designed, and directed. <http://www.vegbank.org/>
- 1996-2001. *Ecological Archives*. A publication of the Ecological Society of America. With co-author Aaron Ellison created, designed, implemented, and directed. <http://www.esapubs.org/archive/>. Today well in excess of half the papers published in *Ecology*, *Ecological Monographs* and *Ecological Applications* deposit supplemental material in this archive.

Books:

- Box, E.O., R.K. Peet, T. Masuzawa, I. Yamada, K. Fujiwara and P.F. Maycock (editors). 1995. *Vegetation Science in Forestry. Handbook of Vegetation Science 12/1*. Kluwer Academic Publishers, Dordrecht. 663 pp.
- Walsh, S, F. Davis and R.K. Peet (editors). 1994. *Applications of Geographic Information Systems and Remote Sensing in Vegetation Science*. Opulus Press, Uppsala. 147 pp.
- Glenn-Lewin, D.C., R.K. Peet and T.T. Veblen (editors). 1992. *Plant succession: theory and prediction*. Chapman and Hall, London.
- Peet, R.K. (editor). 1985. *Plant community ecology: Papers in honor of Robert H. Whittaker*. Junk, The Hague. 332 pp.
- Lieth, H., E. Landolt and R.K. Peet (editors). 1982. Contributions to the knowledge of flora and vegetation in the Carolinas. *Veröff. Geobot. Inst. ETH Stiftung Rübel*. Heft 70. 177 p.

Articles and Chapters:

- Peet, R.K., J. Franklin, M. Diekmann, P.S. White. In Memoriam: Eddy van der Maarel (February 23, 1934—April 4, 2021). *Journal of Vegetation Science* (submitted).
- Sabatini, F.M., B. J. Jiménez-Alfaro, ...R.K. Peet, ...H. Bruelheide. Global patterns of local plant diversity. *Nature Plants* (submitted).
- Feng, X., B.J. Enquist, ... R.K. Peet, ... L. López-Hoffman. 2021. A review of the heterogeneous landscape of biodiversity databases: opportunities and challenges for a synthesized biodiversity knowledge base. *Global Ecology and Biogeography* (Submitted). EcoEvoRxiv Preprints DOI: [10.32942/osf.io/9zt4a](https://doi.org/10.32942/osf.io/9zt4a).
- Dembicz, I, J. Dengler ... R.K. Peet, ... I. Biurrun. Fine-grain beta diversity in Palaeartic open vegetation: variability within and between biomes and vegetation types. *Vegetation Classification and Survey* (in press).
- Neves, D.M., A.J. Kerkhoff, ... R.K. Peet, ... B.J. Enquist. The adaptive challenge of extreme conditions shapes evolutionary diversity of plant assemblages at continental scales. *PNAS* (in press).
- Biurrun, I, R. Pielech, ... R.K. Peet, ...J. Dengler. 2021. Benchmarking plant diversity of Palaeartic grasslands and other open habitats. *Journal of Vegetation Science*, 32:e13050. <https://doi.org/10.1111/jvs.13050>
- Sabatini, F.M. J. Lenoir, ... R.K. Peet, ... H. Bruelheidi. 2021. sPlotOpen – An environmentally balanced, open-access, global dataset of vegetation plots. *Global Ecology and Biogeography* 30(9): 1740-1764. <https://doi.org/10.1111/geb.13346>
- Dembicz, I., J. Dengler, ... R.K. Peet, ... I. Biurrun. 2021. Fine-grain beta diversity in Palaeartic grassland vegetation. *Journal of Vegetation Science* 32(3): e13045. <https://doi.org/10.1111/jvs.13045>
- Spooner, J., R.K. Peet, M.P. Schafale & A.S. Weakley. 2021. The role of fire in the dynamics of Piedmont vegetation. In: C.H. Greenberg & B. Collins (eds). *Fire Ecology and Management: Past, Present and Future of US Forested Ecosystems. Managing Forest Ecosystems*, Vol 39. Springer, Cham. Chapter 2, Pp 31-62. https://doi.org/10.1007/978-3-030-73267-7_2
- Testolin, R., F. Attore, ... R.K. Peet, ... B. Jiménez-Alfaro. 2021. Global patterns of alpine plant species richness. *Global Ecology and Biogeography*. 2021; 001-14. <https://doi.org/10.1111/geb.13297>
- Keeler-Wolf, T & R.K. Peet. 2021. Resolution of Respect: Michael G. Barbour (1942-2021). *Bulletin of the Ecological Society of America*. E01882. <http://doi.org/10.1002/bes2.1882>
- Testolin, R., C. Carmona, ...R.K. Peet, ... B. Jiménez-Alfaro. 2021. Global functional variation in alpine vegetation. *Journal of Vegetation Science* 2021; 32:e13000. <https://onlinelibrary.wiley.com/doi/10.1111/jvs.13000>

- Hakkenberg, C.R., D.D. Tarasi, S. Cushman & R.K. Peet. 2021. Community – Continuum in Biogeography. *The International Encyclopedia of Geography: People, the Earth, Environment, and Technology*. Wiley, Oxford, UK. Revised edition <https://doi.org/10.1002/9781118786352.wbieg1043.pub2>
- Cai., Q. E. Welk ..., R.K. Peet, ... H. Bruelheide. 2021. The relationship between niche breadth and range size of beech (*Fagus*) species worldwide. *Journal of Biogeography* 48:1240-1253. E01882. <http://doi.org/10.1002/bes2.1882>
- Brown, A.J., P.S. White & R.K. Peet. 2021. Environmental context alters the magnitude of conspecific negative density dependence in a temperate forest. *Ecosphere* 12(3): e03406. <http://doi.org/10.1002/ecs2.3406>
- Tordoni, E., G. Bacaro, ... R.K. Peet, ... H. Kreft. 2021. Disentangling native and alien plant diversity in coastal sand dune ecosystems worldwide. *Journal of Vegetation Science* 32(1): e12861. <https://doi.org/10.1111/jvs.12961>
- Lee, M.T., R.K. Peet, T.R. Wentworth, M.P. Schafale, A.S. Weakley, J.P. Vanderhorst & K. Patterson. 2020. Availability of plot data from the Carolinas and Virginias for documenting the US National Vegetation Classification. *Proceedings of the U.S. National Vegetation Classification*. USNVC-Proc-4. <https://proceedings.usnvc.org/articles/70>
- Hakkenberg, C.R., R.K. Peet, T.R. Wentworth, K. Zhu & M.P. Schafale. 2020. Tree cover constrains the fertility-diversity relationship in plant communities of the southeastern USA. *Ecology* 101(10): e03119. <https://doi.org/10.1002/ecy.3119>
- Brown, A., C.J. Payne, P.S. White & R.K. Peet. 2020. Shade tolerance and mycorrhizal type may influence sapling susceptibility to conspecific negative density dependence. *Journal of Ecology* 108: 325-336. (<https://besjournals.onlinelibrary.wiley.com/doi/10.1111/1365-2745.13237>)
- Dengler, J., T.J. Matthews, ... R.K. Peet, ... & I. Biurren. 2020. Species-area relationships in continuous vegetation: evidence from Palearctic Grasslands. *Journal of Biogeography* 47: 72-86. (<https://onlinelibrary.wiley.com/doi/epdf/10.1111/jbi.13697>)
- Malanson, G.P. & R.K. Peet. 2020. Foundational biogeography: Vegetation of the Great Smoky Mountains (*Ecological Monographs*, 26: 1-80, 1956), by Robert H. Whittaker. *Progress in Physical Geography*. 44: 137-143. <https://journals.sagepub.com/doi/10.1177/0309133319897409>
- Van der Sande, M.T., H. Bruelheide, ... R.K. Peet, ... & T.M. Knight. 2020. Similar mechanisms underlie tree abundance in native and alien ranges. *Global Ecology and Biogeography* 29: 281-294. <https://onlinelibrary.wiley.com/doi/full/10.1111/geb.13027>
- Ury, E.A., S.M. Anderson, R.K. Peet, E.S. Bernhardt & J.P. Wright. 2020. Succession, regression and loss: does evidence of saltwater exposure explain recent changes in the tree communities of North Carolina's Coastal Plain? *Annals of Botany* 125: 255-264. <https://academic.oup.com/aob/article/125/2/255/5429779>

- Gafta, D. & R.K. Peet. 2020. Interaction of herbs and tree saplings is mediated by soil fertility and overstory evergreenness in southern Appalachian forests. *Journal of Vegetation Science* 31: 95-106. <https://onlinelibrary.wiley.com/doi/abs/10.1111/jvs.12834>
- Enquist, B.J., X. Feng, ... R.K. Peet, ... B.J. McGill. 2019. The commonness of rarity: Global and future distribution of rarity across land plants. *Science Advances* 27 Nov 2019: EAAZ0414. 13 pp. <https://advances.sciencemag.org/content/5/11/eaaz0414>
- Šímová, I., B. Sandel, B.J. Enquist, S.T. Michaletz, J. Kattge, C. Violle, B.J. McGill, B. Blonder, K. Engemann, R.K. Peet, S.K. Wisser, N. Morueta-Holme, B. Boyle, N.J.B. Kraft, & J.-C. Svenning. 2019. The relationship of woody plant size and leaf nutrient content to large-scale productivity for forests across the Americas. *Journal of Ecology* 107:2278-2290. (<https://doi.org/10.1111/1365-2745.13163>)
- Barnett, D., P. Adler, B.R. Chemel, P.A. Duffy, B.J. Enquist, J.B. Grace, S. Harrison, R.K. Peet, D.S. Schimel, T.J. Stohlgren, M. Vellend. 2019. The plant diversity sampling design for The National Ecological Observatory Network. *Ecosphere* 10 (2) E02603 <http://dx.doi.org/10.1002/ecs2.2603>
- Chytrý, M., A. Chiarucci, M. Pärtel, V.D. Pillar, J.P. Bakker, L. Mucina, R.K. Peet & P.S. White. 2019. Progress in vegetation science: trends over the past three decades and new horizons. *Journal of Vegetation Science* 30: 1-4. <https://onlinelibrary.wiley.com/doi/epdf/10.1111/jvs.12697>
- Bretfeld, M., S.B. Franklin and R.K. Peet. 2019. Long-term vegetation dynamics of mixed aspen forests in Rocky Mountain National Park, USA. *Journal of Vegetation Science* 30: 121-133. <https://onlinelibrary.wiley.com/doi/10.1111/jvs.12712>
- Xi, W., R.K. Peet, M.L. Lee & D.L. Urban. 2019. Hurricane disturbances, tree diversity, and succession in North Carolina Piedmont forests, USA. *Journal of Forestry Research* 30: 219-231. <https://doi.org/10.1007/s11676-018-0813-4>
- Bruelheide, H., J. Dengler, B. Jiménez-Alfaro, O. Purschke, S.M. Hennekens, M. Chytrý, V.D. Pillar, F. Jansen, J. Kattge, B. Sandel, I. Aubin, I. Biurrun, R. Field, S. Haider, U. Jandt, J. Lenoir, R.K. Peet, et al. 2019. sPlot – a new tool for global vegetation analyses. *Journal of Vegetation Science* 30: 161-186. <https://doi.org/10.1111/jvs.12710>
- Echeverría-Londoño, S., B.J. Enquist, D.M. Neves, C. Violle, B. Boyle, N.J.B. Kraft, B.S. Maitner, B. McGill, N. Morueta-Holme, R.K. Peet, B. Sandel, S.A. Smith, J.-C. Svenning, S.K. Wisser & A.J. Kerkhoff. 2018. Plant functional diversity and the biogeography of biomes in North and South America. *Frontiers in Ecology and Evolution* 18 (219), 12 pp. <https://doi.org/10.3389/fevo.2018.00219>
- Bruelheide, H., J. Dengler, O. Purschke, J. Lenoir, B. Jiménez-Alfaro, S.M. Hennekens, Z. Botta-Dukát, M. Chytrý, R. Field, F. Jansen, J. Kattge, V.D. Pillar, F. Schrodte, M.D. Mahecha, R.K. Peet et al. Global trait–environment relationships of plant communities. 2018. *Nature Ecology and Evolution* 2: 1906-1917. <https://www.nature.com/articles/s41559-018-0699-8>
- Peet, R.K., W.J. Platt & J.K. Costanza. 2018. Fire-maintained pine savannas and woodlands of the southeastern US Coastal Plain. Chapter 3 in A. Barton and W. Keeton, editors. *Ecology and*

Recovery of Eastern Old-Growth Forests. Island Press, Washington D.C. Pp 39-62.
https://books.google.com/books?hl=en&lr=&id=CRlvDwAAQBAJ&oi=fnd&pg=PA39&dq=info:YqPltbZNkAgJ:scholar.google.com&ots=OTVJNszfuH&sig=Z5k3GAiZVZmcyu_hlb340wZwYNU#v=onepage&q&f=false

- Chytrý, M. & R.K. Peet. IAVS Honorary Membership 2018: Ladislav Mucina. *IAVS Bulletin* 2018 (3): 10-15.
- Zhou, W., X. Ji, S. Obata, A. Pai, R.K. Peet, & Q.-Y. Xiang. 2018. Resolving relationships and phylogeographic history of the *Nyssa sylvatica* complex using data from RAD-seq and species distribution modelling. *Molecular Phylogenetics and Evolution* 126: 1-16.
<https://www.sciencedirect.com/science/article/pii/S1055790317308163>
- Dengler, ...R.K. Peet, ... I. Biurrun. 2018. GrassPlot – a database of multi-scale plant diversity in Palaearctic grasslands. *Phytocoenologia* 48: 331-347.
<https://dx.doi.org/10.1127/phyto/2018/0267>
- Peet, R.K., K.A. Palmquist, T.R. Wentworth, M.P. Schafale, A.S. Weakley & M.T. Lee. 2018. Carolina Vegetation Survey: an initiative to improve regional implementation of the U.S. National Vegetation Classification. *Phytocoenologia* 48: 171-179.
<https://dx.doi.org/10.1127/phyto/2017/0168>
- Faber-Langendoen, D., K. Baldwin, R.K. Peet, D. Meidinger, E. Muldavin, T. Keeler-Wolf & C. Josse. 2018. The EcoVeg Approach in the Americas: U.S., Canadian and International Vegetation Classifications. *Phytocoenologia* 48: 215-237.
<https://dx.doi.org/10.1127/phyto/2017/0165>
- Walker, D.A.; F.J.A. Daniëls, N.V. Matveyeva, J. Šibík, M.D. Walker, A.L. Breen, L.A. Druckenmiller, M.K. Reynolds, H. Bültmann, S. Hennekens, M. Buchhorn, H.E. Epstein, K. Ermokhina, A.M. Fosaa, S. Heiðmarsson, B. Heim, I.S. Jónsdóttir, N. Koroleva, E. Lévesque, W.H. MacKenzie, G.H.R. Henry, L. Nilsen, R. Peet, V. Razzhivin, S.S. Talbot, M. Telyatnikov, D. Thannheiser, P.J. Webber, L.M. Wirth. 2018. Circumpolar arctic vegetation classification. *Phytocoenologia* 48: 181-201.
<https://dx.doi.org/10.1127/phyto/2017/0192>
- Šímová, I., C. Violle, J.C. Svenning, J. Kattge, K. Engemann, B. Sandel, R.K. Peet, S.K. Wiser, B. Blonder, B.J. McGill, N.J.B. Kraft, P.M. van Bodegom, A.G. Gutierrez, M. Bahn, W.A. Ozinga, A. Tószögyová, & B. J. Enquist. 2018. Spatial patterns and climate relationships of major plant traits in the New World differ between woody and herbaceous species. *Journal of Biogeography* 45: 895-916. <https://onlinelibrary.wiley.com/doi/full/10.1111/jbi.13171>
- Hakkenberg, C.R., K. Zhu, R.K. Peet, & C. Song. 2018. Mapping multi-scale vascular plant richness in a forest landscape with integrated LiDAR and hyperspectral remote sensing. *Ecology* 99: 474-487. <https://esajournals.onlinelibrary.wiley.com/doi/epdf/10.1002/ecy.2109>
- Hakkenberg, C.R., R.K. Peet, D. L. Urban, & C. Song. 2018. Modeling plant composition as community continua in a forest landscape with LiDAR and hyperspectral remote sensing.

Ecological Applications 28: 177-190.

<http://onlinelibrary.wiley.com/doi/10.1002/eap.1638/full>

Shearman, T.M., G.G. Wang, R.K. Peet, T.R. Wentworth, M.P. Schafale & A.S. Weakley. 2018. Community Analysis for Forest Ecosystems with Natural Growth of *Persea* spp. in the Southeastern United States. *Castanea* 83: 3-27.

<http://www.bioone.org/doi/full/10.2179/17-131>.

Winner of the **Windler Award** for the best paper in systematics or ecology published in *Castanea* in 2018.

Maitner, Brian; Boyle, Brad; Casler, Nathan; Condit, Richard; Donoghue II, John; Duran, Sandra; Guaderrama, Daniel; Hinchliff, Cody; Jørgensen, Peter; Kraft, Nathan; McGill, Brian; Merow, Cory; Morueta-Holme, Naia; Peet, Robert; Sandel, Brody; Schildhauer, Mark; Smith, Stephen; Svenning, Jens Christian; Thiers, Barbara; Vilooe, Cyrille; Wisser, S.; Enquist, Brian. 2018. The BIEN R package: A tool to access the Botanical Information and Ecology Network (BIEN) Database. *Methods in Ecology and Evolution* 9: 373-379.

<https://onlinelibrary.wiley.com/doi/10.1111/2041-210X.12861/abstract>

Tarasi, D.D. & R.K. Peet. 2017. The Native-exotic species richness relationship varies with spatial grain of measurement and environmental conditions. *Ecology* 98: 3086-3095.

<http://onlinelibrary.wiley.com/doi/10.1002/ecy.2028/full>

Peet, R.K. 2017. Alexander von Humboldt Medal awarded to F. Stewart Chapin III, 2017. *IAVS Bulletin* 2017(3): 19-22.

<http://iavs.org/Publications/IAVS-Bulletin/Bulletin-2017-03/Bulletin-2017-3.aspx>

Janišová, M., M. Chytrý, H. Gordon, R. Guarino, A. Harada, C. Hobohm, P. Krestov, I. Krestova, J. Loidi, L. Mucina, R.K. Peet & V. Pillar. 2017. Sicilian jewels, or what do vegetation scientists appreciate on plants? *IAVS Bulletin* 2017 (3): 3-18.

<http://iavs.org/Publications/IAVS-Bulletin/Bulletin-2017-03/Bulletin-2017-3.aspx>

Peet, R.K. 2017. IAVS and data for vegetation science: past, present and future. *IAVS Bulletin* 2017 (2): 8-17.

<http://iavs.org/Publications/IAVS-Bulletin/Bulletin-2017-02/Bulletin-2017-1.aspx>

Hakkenberg, C.R., D.D. Tarasi & R.K. Peet. 2017. Community/continuum. *The International Encyclopedia of Geography: People, the Earth, Environment, and Technology*. Wiley, Oxford, UK.

Knight, D., R. Gorman, E. Menges, R. Peet, D. Waller & J. Zedler. 2017. Resolution of respect: Orie L. Loucks 1931-2016. *Bulletin of the Ecological Society of America* 98

(1):26-31. <http://onlinelibrary.wiley.com/doi/10.1002/bes2.1298/full>

Enquist B.J., R. Condit, R.K. Peet, M. Schildhauer, B.M. Thiers. 2016. Cyberinfrastructure for an integrated botanical information network to investigate the ecological impacts of global climate change on plant biodiversity. *PeerJ Preprints* 4:e2615v2

<https://doi.org/10.7287/peerj.preprints.2615v2>

- Janišová, M., L. Mucina, M.C. Da Silva Jr., G. Durigan, G.P. Sabino, J. Paruelo, A.T.R. Acosta, R. Hédli, R.K. Peet & R. Guarino. 2016. Cerrado, Caatinga, Gran Chaco and Mata Atlântica: South American flagships of biodiversity. *IAVS Bulletin* 2016 (4): 7-22.
<http://iavs.org/getattachment/547f9c16-1fa4-4d8c-a236-c234de0f36a8/Bulletin-2016-4.aspx>
- Hakkenberg, C.R., C. Song, R.K. Peet & P.S. White. 2016. Forest structure as a predictor of tree species diversity in the North Carolina Piedmont. *Journal of Vegetation Science* 27:1151-1163. <http://onlinelibrary.wiley.com/doi/10.1111/jvs.12451/full>
- Engemann, K., B. Sandel, B.L. Boyle, B.J. Enquist, P.M. Jørgensen, J. Kattge, B.J. McGill, N. Morueta-Holme, R.K. Peet, N.J. Spencer, C. Violle, S.K. Wisser & J.-C. Svenning. 2016. A plant growth form dataset for the New World. *Ecology* 97: 3243.
<http://onlinelibrary.wiley.com/doi/10.1002/ecy.1569/full>
- Walker, D.A., A.L. Breen, L.A. Druckenmiller, L.W. Wirth, W. Fisher, M.K. Reynolds, J. Šibík, M.D. Walker, S. Hennekens, K. Boggs, T. Boucher, M. Buchhorn, H. Bültmann, D.J. Cooper, F.J.A. Daniëls, S.J. Davidson, J.J. Ebersole, S.C. Elmendorf, H.E. Epstein, W.A. Gould, R.D. Hollister, M.T. Jorgenson, A. Kade, M.T. Lee, W.H. MacKenzie, R.K. Peet, J.L. Peirce, U. Schickhoff, V.L. Sloan, S.S. Talbot, C.E. Tweedie, S. Villarreal, P.J. Webber & D. Zona. 2016. The Alaska Arctic Vegetation Archive (AK-AVA). *Phytocoenologia* 46: 221-229.
<http://dx.doi.org/10.1127/phyto/2016/0128>
- Tessel, S.M., K.A. Palmquist & R.K. Peet. 2016. Species-area relationships. In D. Gibson, ed., *Oxford Bibliographies in Ecology*, Oxford University Press. DOI: 10.1093/obo/9780199830060-0147, <http://www.oxfordbibliographies.com/view/document/obo-9780199830060/obo-9780199830060-0147.xml>
- Bretfeld, M., S.B. Franklin & R.K. Peet. 2016. A multiple-scale assessment of long-term aspen persistence and elevational range shifts in the Colorado Front Range. *Ecological Monographs* 86:244-260.
- Goldsmith, G.R., N. Morueta-Holme, B. Sandel, E.D. Fitz, S.D. Fitz, B. Boyle, N. Casler, R. Condit, S. Dolins, J.C. Donoghue, K. Engemann, P.M. Jørgensen, N.J.B. Kraft, A. Marcuse-Kubitza, B. McGill, M. Narro, R.K. Peet, W.H. Piel, J. Regetz, M. Schildhauer, N. Spencer, J.-C. Svenning, B.M. Theirs, C. Violle, S.K. Wisser & B.J. Enquist. 2016. Plant-O-Matic: A dynamic and mobile field guide to all plants of the Americas. *Methods in Ecology and Evolution* 7: 960-965.
[DOI: 10.1111/2041-210X.12548](https://doi.org/10.1111/2041-210X.12548)
- Brown, R., L.A.J. Reilly & R.K. Peet. 2016. Species Richness: small scale. In: *Encyclopedia of Life Sciences*, John Wiley & Sons, Ltd, Chichester, UK.
<http://onlinelibrary.wiley.com/doi/10.1002/9780470015902.a0020488.pub2/abstract>
- Morueta-Holme, N., B. Blonder, B. Sandel, B.J. McGill, R.K. Peet, J.E. Ott, C. Violle, B.J. Enquist, P.M. Jørgensen & J.-C. Svenning. 2016. A network approach for inferring species associations from co-occurrence data. *Ecography* 39:1139-1150.
<http://onlinelibrary.wiley.com/doi/10.1111/ecog.01892/full>

- Wheeler, B.E. & R.K. Peet. 2016. A multi-scale analysis of plant diversity along soil nutrient gradients. Pages 425-444 in E.O. Box, ed. *Vegetation structure and function at multiple spatial, temporal and conceptual scales. Geobotanical Studies*. Springer-Verlag.
<http://www.springer.com/us/book/9783319214511>
- Doughty, C., A. Wolf, N. Morueta-Holme, P.M. Jørgensen, B. Sandel, C. Violle, B. Boyle, N. Kraft, R.K. Peet, B.J. Enquist, J.-C. Svenning, S.Blake & M. Galetti. 2016. Megafauna extinction, tree species range reduction, and carbon storage in Amazonian forests. *Ecography* 39: 194-203. <http://onlinelibrary.wiley.com/doi/10.1111/ecog.01587/abstract>
- Engemann, K., B.J. Enquist, P.M Jørgensen, N. Kraft, A. Marcuse-Kubitza, B. McGill, N. Morueta-Holme, R.K. Peet, B. Sandel, C. Violle, S.Wiser & J.-C. Svenning. 2016. Patterns and drivers of plant functional group dominance across the Western Hemisphere – a macroecological re-assessment based on a massive novel botanical dataset. *Botanical Journal of the Linnean Society* 180: 141-160. <http://onlinelibrary.wiley.com/doi/10.1111/boj.12362/full>
- De Cáceres, M., M. Chytrý, E. Agrillo, F. Attorre, Z. Botta-Dukát, J. Capelo, B. Czúcz, J. Dengler, J. Ewald, D. Faber-Langendoen, E. Feoli, S.B. Franklin, R. Gavilán, F. Gillet, F. Jansen, B. Jiménez-Alfaro, P. Krestov, F. Landucci, A. Lengyel, J. Loidi, L. Mucina, R.K. Peet, D.W. Roberts, J. Roleček, J. Schaminée, S. Schmidtlein, J.-P. Theurillat, L. Tichý, D.A. Walker, O. Wildi, W. Willner & S.K. Wiser. 2015. A comparative framework for broad-scale plot-based vegetation classification. *Applied Vegetation Science* 18: 543-560.
<http://onlinelibrary.wiley.com/doi/10.1111/avsc.12179/abstract>
- Engemann, K., B.J. Enquist, B. Sandel, B. Boyle, P.M. Jørgensen, N. Morueta-Holme, R.K. Peet, C. Violle & J.-C. Svenning. 2015. Limited sampling hampers ‘big data’ estimation of species richness in a tropical biodiversity hotspot. *Ecology and Evolution* 5:807-820.
<http://onlinelibrary.wiley.com/doi/10.1002/ece3.1405/epdf>
- Franklin, S.B., P. Comer, J. Evens, E. Ezcurra, D. Faber-Langendoen, J. Franklin, M. Jennings, C. Josse, C. Lea, O.L. Loucks, E. Muldavin, R.K. Peet, S. Ponomarenko, D. Roberts, A. Solomeshch, T. Keeler-Wolf, J. Van Kley, A. Weakley & A. McKerrow. 2015. How a national vegetation classification can help ecological research and management. *Frontiers in Ecology and the Environment* 13: 185–186. <http://dx.doi.org/10.1890/15.WB.006>
- Hupp, C.R., E.R. Schenk, D.E. Kroes, D.A. Willard, P.A. Townsend, & R.K. Peet. 2015. Patterns of floodplain sediment deposition along the regulated lower Roanoke River, North Carolina: Annual, decadal, centennial scales. *Geomorphology* 228:666-680.
<http://www.sciencedirect.com/science/article/pii/S0169555X1400525X>
- Kalusová, V., M. Chytrý, R.K. Peet & T.R. Wentworth. 2015. Intercontinental comparison of habitat levels of invasion between temperate North America and Europe. *Ecology* 96: 3363-3373.
<http://onlinelibrary.wiley.com/doi/10.1890/15-0021.1/epdf>
- Noss, R., W. Platt, B. Sorrie, D. Means, J. Costanza & R. Peet. 2015. How global biodiversity hotspots may go unrecognized: lessons from the North American Coastal Plain. *Diversity and Distributions* 21: 236-244.
<http://onlinelibrary.wiley.com/doi/10.1111/ddi.12278/pdf>

- Palmquist, K.A., R.K. Peet & S.R. Mitchell. 2015. Scale-dependent responses of longleaf pine vegetation to fire frequency and environmental context across two decades. *Journal of Ecology* 103:998-1008. <http://onlinelibrary.wiley.com/doi/10.1111/1365-2745.12412/abstract>
- Palmquist, K.A., R.K. Peet & S.C. Carr. 2014. Xeric Longleaf Pine Vegetation of the Atlantic and East Gulf Coast Coastal Plain: an Evaluation and Revision of Associations within the U.S. National Vegetation Classification. *Proceedings of the U.S. National Vegetation Classification*. http://proceedings.usnvc.org/documents/NVC_G154_6.30.15.copypedited.trackchangesaccepted.pdf
- Brunbjerg, A.K., J. Cavender-Bares, W.L. Eiserhardt, R. Ejrnæs, L.W. Aarssen, H.L. Buckley, E. Forey, F. Jansen, J. Kattge, C. Lane, R.A. Lubke, A.T. Moles, A.L. Monserrat, R.K. Peet, J. Roncal, L. Wootton & J.-C. Svenning. 2014. Multi-scale phylogenetic structure in coastal dune plant communities across the globe. *Journal of Plant Ecology* 7: 101-114. <http://jpe.oxfordjournals.org/content/7/2/101>
- Kalusová, V., M. Chytrý, R. K. Peet & T. R. Wentworth. 2014. Alien species pool influences the level of habitat invasion in intercontinental exchange of alien plants. *Global Ecology and Biogeography* 23:1366-1375. <http://onlinelibrary.wiley.com/doi/10.1111/geb.12209/pdf>
- Lamanna, C.A., B. Blonder, C. Violle, N.J.B. Kraft, B. Sandel, I. Simova, J.C. Donoghue, J.-C. Svenning, B.J. McGill, B. Boyle, V. Buzzard, S. Dolins, P.M. Jørgensen, A. Marcuse-Kubitza, N. Morueta-Holme, R.K. Peet, W. Piel, J. Regetz, M. Schildhauer, N. Spencer, B.M. Thiers, S.K. Wisser & B.J. Enquist. 2014. Functional trait space and the latitudinal diversity gradient. *Proceedings of the National Academy of Sciences of the United States of America* 111:13745-13750. <http://www.pnas.org/content/111/38/13745>
- Palmquist, K.A., R.K. Peet & A.S. Weakley. 2014. Changes in plant species richness following reduced fire frequency and drought in one of the most species-rich savannas in North America. *Journal of Vegetation Science* 25:1426-1437. <http://onlinelibrary.wiley.com/doi/10.1111/jvs.12186/pdf>
- Peet, R.K., K.A. Palmquist & S.M. Tessel. 2014. Herbaceous layer species richness of southeastern forests and woodlands: Patterns and causes. Chapter 10 in F.S. Gilliam ed. *The herbaceous layer in forests of eastern North America*, Second edition. Oxford University Press, Oxford, UK. Pp. 255-276.
- Peet, R.K., N.L. Christensen & F.S. Gilliam. 2014. Temporal patterns in herbaceous layer communities of the North Carolina Piedmont. Chapter 11 in F.S. Gilliam ed. *The herbaceous layer in forests of eastern North America*, Second edition. Oxford University Press, Oxford, UK. Pp. 277-293.
- Šímová, I., C. Violle, N.J.B. Kraft, D. Storch, J.-C. Svenning, B. Boyle, J.C. Donoghue II, P. Jørgensen, B.J. McGill, N. Morueta-Holme, W.H. Piel, R.K. Peet, J. Regetz, M. Schildhauer, N. Spencer, B. Thiers, S.K. Wisser & B. Enquist. 2014. Shifts in trait means and variances in North

- American tree assemblages: species richness patterns are loosely related to the functional space. *Ecography* 38:649-658. <http://onlinelibrary.wiley.com/doi/10.1111/ecog.00867/pdf>.
- Anderson, D.P., M.G. Turner, S.M. Pearson, T.P. Albright, R.K. Peet & A. Wieben. 2013. Predicting *Microstegium vimineum* invasion in natural plant communities of the southern Blue Ridge Mountains, U.S.A. *Biological Invasions* 15:1217-1230. <http://dx.doi.org/10.1007/s10530-012-0361-3>
- Boyle, B., N. Hopkins, Z. Lu, J.A.R. Garay, D. Mozzherin, T. Rees, N. Matasci, M.L. Narro, W.H. Piel, S.J. McKay, S. Lowry, C. Freeland, R.K. Peet & B.J. Enquist. 2013. The Taxonomic Name Resolution Service: an online tool for automated standardization of plant names. *BMC Bioinformatics* 14:16. <http://www.biomedcentral.com/1471-2105/14/16>
- Lee, M.T & R.K. Peet. 2013. VegBank: a permanent online repository for international plot and relevé data. In Walker, D.A. Breen, A.L., Reynolds, M.K. & Walker, M.D. (eds). Arctic Vegetation Archive (AVA) Workshop, Krakow, Poland, April 14-16, 2013. CAFF Proceedings Report #10. Akureyri, Iceland. ISBN: 978-9935-431-24-0. Pages 66-70.
- Morueta-Holme, N., B.J. Enquist, B.J. McGill, B. Boyle, P.M. Jørgensen, J.E. Ott, R.K. Peet, I. Simova, L. Sloat, B. Thiers, C. Violle, S.K. Wiser, S. Dolins, J.C. Donoghue II, N.J.B. Kraft, J. Regetz, M. Schildhauer, N. Spencer & J.-C. Svenning. 2013. Habitat area and climate stability determine geographic variation in plant species range sizes. *Ecology Letters* 16:1446-1454. <http://dx.doi.org/10.1111/ele.12184>
- Walker, D.A., I.G. Alsos, C. Bay, N. Boulanger-Lapointe, A.L. Breen, H. Bültmann, T. Christiansen, C. Damgaard, F.J.A. Daniëls, S. Hennekens, M. Luoto, L. Pellisier, R.K. Peet, M.K. Reynolds, N.-M. Schmidt, R. Virtanen, N.G. Yoccoz & M.S. Wisz. 2013. Rescuing valuable Arctic vegetation data for biodiversity and ecosystem models. CBIO-NET– IAVD Workshops, Roskilde, Denmark. *Arctic* 66:133-137. <https://search.proquest.com/docview/1326191897/fulltext/21E0E0A3F29C4FCDPQ/20?accountid=14244>
- Dengler, J., J. Oldeland, F. Jansen, F., M. Chytrý, J. Ewald, M. Finckh, F. Glöckler, G. Lopez-Gonzalez, R.K. Peet & J. Schaminée. 2012. Editorial: Facilitating access to vegetation data – Introduction to the Special Volume. *Biodiversity and Ecology* 4: 9-13. <http://dx.doi.org/10.7809/b-e.00055>
- Dengler, J., S. Todorova, T. Becker, S. Boch, M. Chytrý, M. Diekmann, C. Dolnik, C. Dupré, G.P. Giusso, del Galdo, R. Guarino, M. Jeschke, K. Kiehl, A. Kuzemko, S. Löbel, Z. Otýpková, H. Pedashenko, R.K. Peet, E. Ruprecht, A. Szabó, I. Tsiripidis & K. Vassilev. 2012. Database Species-Area Relationships in Palaeartic Grasslands. *Biodiversity and Ecology* 4: 321-322. <http://dx.doi.org/10.7809/b-e.00115>
- Franklin, S., D. Faber-Langendoen, M. Jennings, T. Keeler-Wolf, O.L. Loucks, R. Peet, D. Roberts & A. McKerrow. 2012. Building the United States National Vegetation Classification. *Annali di Botanica* 2: 1-9. <http://ojs.uniroma1.it/index.php/Annalidibotanica/article/view/9261/9881>

- Glöckler, F., J. Dengler, F. Jansen, J. Oldeland & R.K. Peet. 2012. Guide to GIVD's Fact Sheets. *Biodiversity and Ecology* 4: 83-88. <http://dx.doi.org/10.7809/b-e.00062>
- Jansen, F., F. Glöckler, M. Chytrý, M. De Cáceres, J. Ewald, M. Finckh, G. Lopez-Gonzalez, J. Oldeland, R.K. Peet, J.H.J. Schaminée & J. Dengler. 2012. News from the Global Index of Vegetation-Plot Databases (GIVD): the metadata platform, available data, and their properties. *Biodiversity and Ecology* 4: 77-82. <http://dx.doi.org/10.7809/b-e.00061>
- Peet, R.K., M.T. Lee, M.D. Jennings & D. Faber-Langendoen. 2012. VegBank – a permanent, open-access archive for vegetation-plot data. *Biodiversity and Ecology* 4: 233-241. <http://dx.doi.org/10.7809/b-e.00080>
- Peet, R.K., M.T. Lee, M.F. Boyle, T.R. Wentworth, M.P. Schafale & A.S. Weakley. 2012. Vegetation-plot database of the Carolina Vegetation Survey. *Biodiversity and Ecology* 4: 243-253. <http://dx.doi.org/10.7809/b-e.00081>
- Peet, R.K. & D.W. Roberts. 2012. Classification of natural and semi-natural vegetation. Chapter 2 in J. Franklin & E. van der Maarel, eds. *Vegetation Ecology*. Second edition. Oxford University Press, New York, New York. Pages 28-70.
- Wilson, J.B., R.K. Peet, J. Dengler & M. Pärtel. 2012. Plant species richness: the world records. *Journal of Vegetation Science* 23: 796-802. <http://dx.doi.org/10.1111/j.1654-1103.2012.01400.x>
- Xi, W., R.K. Peet & D.L. Urban. 2012. The Impacts of a Large, Infrequent Hurricane on Understory Sapling Dynamics and Diversity in North Carolina Piedmont Forests, USA. In: Xi W-M (Ed.), *Forest Restoration. Tree and Forestry Science and Biotechnology* 6 (Special Issue 1): 51-59.
- Costanza, J.K., A. Moody & R.K. Peet. 2011. Multi-scale environmental heterogeneity as a predictor of plant species richness. *Landscape Ecology* 26: 851-864. <http://dx.doi.org/10.1007/s10980-011-9613-3>
- Matthews, E.M., R.K. Peet & A.S. Weakley. 2011. Classification and description of alluvial plant communities of the Piedmont region, North Carolina, U.S.A. *Applied Vegetation Science* 14: 485-505. <http://dx.doi.org/10.1111/j.1654-109x.2011.01150.x>
- Dengler, J., J. Ewald, I. Kühn & R.K. Peet. 2011. Ecoinformatics and global change -- an overdue liaison. *Journal of Vegetation Science* 22: 577-581. <http://dx.doi.org/10.1111/j.1654-1103.2011.01313.x>
- Dengler, J., F. Jansen, F. Glöckler, R.K. Peet, M. De Cáceres, M. Chytrý, J. Ewald, J. Oldeland, M. Finckh, M. Mucina, J.H.J. Schaminée, J.H.J. & N. Spencer. 2011. The Global Index of Vegetation-Plot Databases (GIVD): a new resource for vegetation science. *Journal of Vegetation Science* 22: 582-597. <http://dx.doi.org/10.1111/j.1654-1103.2011.01265.x>
- Wiser, S.K., N. Spencer, M. De Cáceres, M. Kleikamp, B. Boyle & R.K. Peet. 2011. Veg-X -- An international exchange standard for plot-based vegetation data. *Journal of Vegetation Science* 22:598-609. <http://dx.doi.org/10.1111/j.1654-1103.2010.01245.x>
- Manthey M., J.D. Fridley & R.K. Peet. 2011. Niche expansion after competitor extinction? A comparative assessment of habitat generalists and specialists in the tree floras of south-

- eastern North America and south-eastern Europe. *Journal of Biogeography* 38: 840-853.
<http://dx.doi.org/10.1111/j.1365-2699.2010.02450.x>
- Xi, Weimin & R.K. Peet. 2011. The complexity of catastrophic wind impacts on temperate forests. In Anthony Lupo (ed.). *Recent Hurricane Research - Climate, Dynamics and Societal Impacts*. Chapter 27, pp 503-534. IN-TECH, Vienna, Austria.
<http://www.intechopen.com/articles/show/title/the-complexity-of-catastrophic-wind-impacts-on-temperate-forests>. ISBN 978-953-307-238-8.
- Carr, S.C., K.M. Robertson & R.K. Peet. 2010. A vegetation classification of fire-dependent pinelands of Florida. *Castanea* 75: 153-189.
<http://dx.doi.org/10.2179/09-016.1>
- Fridley, J.D., A.R. Senft & R.K. Peet. 2009. Vegetation structure of field margins and adjacent forests in agricultural landscapes of the North Carolina Piedmont (USA). *Castanea* 74: 327-339. <http://dx.doi.org/10.2179/08-057R1.1>
- Carr, S.C., K.M. Robertson, W.J. Platt & R.K. Peet. 2009. A model of geographic, environmental and regional variation in vegetation composition of pyrogenic pinelands of Florida. *Journal of Biogeography* 36: 1600-1612.
<http://dx.doi.org/10.1111/j.1365-2699.2009.02085.x>
- Hupp, C.R., E.R. Schenk, J.M. Richter, R.K. Peet & P.A. Townsend. 2009. Bank erosion along the dam-regulated lower Roanoke River, North Carolina. Chapter 6 in L.A. James, S.L. Rathburn and G.R. Whittecar (eds.). *Management and restoration of fluvial systems with broad historical changes and human impacts*. Geological Society of America Special Paper 451: 97-108. [http://dx.doi.org/10.1130/2009.2451\(06\)](http://dx.doi.org/10.1130/2009.2451(06))
- Franz, N.M. & R.K. Peet. 2009. Towards a language for mapping relationships among taxonomic concepts. *Systematics and Biodiversity* 7: 5-20.
<http://dx.doi.org/10.1017/S147720000800282X>
- Jennings, M.D., D. Faber-Langendoen, O.L. Loucks, R.K. Peet & D. Roberts. 2009. Standards for associations and alliances of the U.S. National Vegetation Classification. *Ecological Monographs* 79: 173-199. <http://dx.doi.org/10.1890/07-1804.1>
- Jennings, M.D., D. Faber-Langendoen, R.K. Peet, O.L. Loucks, D.C. Glenn-Lewin, A. Damman, M.G. Barbour, R. Pfister, D.H. Grossman, D. Roberts, D. Tart, M. Walker, S.S. Talbot, J. Walker, G.S. Hartshorn, G. Waggoner, M.D. Abrams, A. Hill & M. Rejmank. 2008. Description, documentation, and evaluation of associations and alliances within the U.S. National Vegetation Classification. Special publication. Ecological Society of American, Washington, D.C.
- Peet, R.K. 2008. A decade of effort by the ESA Vegetation Panel leads to a new federal standard. *ESA Bulletin* 89(3): 210-211.
[http://dx.doi.org/10.1890/0012-9623\(2008\)89\[210:adoebt\]2.0.co;2](http://dx.doi.org/10.1890/0012-9623(2008)89[210:adoebt]2.0.co;2)
- Xi, W. & R.K. Peet. 2008. Hurricane effects on the Piedmont forests: patterns and implications. *Ecological Restoration* 26: 295-298. <http://dx.doi.org/10.3368/er.26.4.295>

- Xi, W., R.K. Peet, J.K. DeCoster D.L. Urban. 2008. Tree damage risk factors associated with large, infrequent wind disturbances of Carolina forests. *Forestry* 81: 317-334.
- Franz, N.M., R.K. Peet & A.S. Weakley. 2008. On the use of taxonomic concepts in support of biodiversity research and taxonomy. Chapter 5, pages 63-86 in: Wheeler, Q. D., Ed., *The New Taxonomy*. CRC Press, Boca Raton, FL.
<http://dx.doi.org/10.1201/9781420008562.ch5>
- Xi, W., R.K. Peet & D.L. Urban. 2008. Changes in forest structure, species diversity, and spatial pattern following hurricane disturbance in a Piedmont North Carolina forest, USA. *Journal of Plant Ecology* 1: 43-57.
- Xi, W. & R.K. Peet. 2008. Long-term studies of forest dynamics in the Duke Forest, southeastern United States: A synthesis. *Journal of Plant Ecology* (Chinese version) 32(2): 299-318.
- Brown, R.L. L.A. Jacobs & R.K. Peet. 2007. Species richness: small scale. *Encyclopedia of Life Science*. Wiley InterScience. <http://dx.doi.org/10.1002/9780470015902.a0020488>
- Fridley, J.D., D.B. Vandermast, D.M. Kuppinger, M. Manthey & R.K. Peet. 2007. Co-occurrence-based assessment of habitat generalists and specialists: a new approach for the measurement of niche width. *Journal of Ecology* 95: 707-722.
<http://dx.doi.org/10.1111/j.1365-2745.2007.01236.x>
- Palmer, M.W., R.K. Peet, R.A. Reed, W. Xi & P.S. White. 2007. A multiscale study of vascular plants in a North Carolina Piedmont forest. *Ecology* 88: 2674. [see *Ecological Archives* E088-162.]
<http://dx.doi.org/10.1890/07-0796.1>
- Gilliam, F.S., W.J. Platt & R.K. Peet. 2006. Natural disturbances and the physiognomy of pine savannas: A phenomenological model. *Applied Vegetation Science* 9: 83-96.
<http://dx.doi.org/10.1111/j.1654-109x.2006.tb00658.x>
- Fridley, J.D., R.K. Peet, E. van der Maarel & J.H. Willems. 2006. Integration of local and regional species-area relationships from space-time species accumulation. *American Naturalist* 168: 133-143. <http://dx.doi.org/10.1086/505761>
- Graves, J.H., R.K. Peet & P.S. White. 2006. The influence of carbon - nutrient balance on herb and woody plant abundance in temperate forest understories. *Journal of Vegetation Science* 17: 217-226. <http://dx.doi.org/10.1111/j.1654-1103.2006.tb02440.x>
- Peet, R.K. Ecological classification of longleaf pine woodlands. 2006. Chapter 3, pp. 51-93 in: *Longleaf pine ecosystems: ecology, management, and restoration*. S. Jose, E. Jokela and D. Miller. Eds. Springer, New York. http://dx.doi.org/10.1007/978-0-387-30687-2_3
- Fridley, J.D., R.K. Peet, T.R. Wentworth & P.S. White. 2005. Connecting fine- and broad-scale patterns of species diversity: species-area relationships of Southeastern U.S. flora. *Ecology* 86: 1172-1177. <http://dx.doi.org/10.1890/03-3187>
- Taverna, K., R.K. Peet & L. Phillips. 2005. Long-term change in ground-layer vegetation of deciduous forests of the North Carolina Piedmont, USA. *Journal of Ecology* 93: 202-213.
<http://dx.doi.org/10.1111/j.0022-0477.2004.00965.x>

- Peet, R.K. 2005. Crises and opportunities: A scientist's view of scholarly communication. UNC Scholarly Communications Convocation.
<http://www.unc.edu/scholcomdig/whitepapers/peet.pdf>
- Peet, R.K. & S. Carr. 2004. Fire-adapted pineland vegetation of northern and central Florida: A framework for inventory, management and restoration. Final report for Florida Fish and Wildlife Commission Project NG 98-016. 129pp.
<http://labs.bio.unc.edu/Peet/pubs/Peet&Carr2004.pdf>
- Peet, R.K., J.D. Fridley & J.M. Gramling. 2003. Variation in species richness and species pool size across pH gradients in forests of the Southern Blue Ridge Mountains. *Folia Geobotanica* 38: 391-401. <http://dx.doi.org/10.1007/bf02803247>
- Brown, R.L. & R.K. Peet. 2003. Diversity and invasibility of southern Appalachian plant communities. *Ecology* 84: 32-39.
[http://dx.doi.org/10.1890/0012-9658\(2003\)084\[0032:daiosa\]2.0.co;2](http://dx.doi.org/10.1890/0012-9658(2003)084[0032:daiosa]2.0.co;2)
- McDonald, R.I., R.K. Peet & D.L. Urban. 2003. Spatial pattern of *Quercus* regeneration limitation and *Acer rubrum* invasion in a Piedmont forest. *Journal of Vegetation Science* 14: 441-450.
<http://dx.doi.org/10.1111/j.1654-1103.2003.tb02170.x>
- McDonald, R.I., R.K. Peet & D.L. Urban. 2002. Environmental correlates of oak decline and red maple increase in the North Carolina Piedmont. *Castanea* 67: 84-95.
- McMillan, P.D., R.K. Peet, R.D. Porcher & B.A. Sorrie. 2002. Noteworthy botanical collections from the fire-maintained and wetland communities of the coastal plain of the Carolinas and Georgia. *Castanea* 67: 61-83.
- Peet, R.K. 2000. Forests of the Rocky Mountains. In M.G. Barbour & W.D. Billings (editors). *North American terrestrial vegetation*. Second edition. Cambridge University Press. Pp 75-121.
- Newell, C.L., R.K. Peet, C.J. Ulrey, T.R. Wentworth, K.D. Patterson & D.E. McLeod. 1999. Geographic variation in forest distribution across five landscapes in the Southern Appalachian Mountains of North and South Carolina. In R.P. Eckerlin (ed.). *Proceedings of the Appalachian Biogeography Symposium*. Pp 19-34.
- Baldwin, J.D., R.K. Peet & L.F. Pitelka. 1999. Reply (To: Identify tardy reviewers). *Bulletin of the Ecological Society of America* 80: 210.
- Peet, R.K. 1999. What should Ecology and Ecological Monographs publish? *Bulletin of the Ecological Society of America*. 80: 4-6.
- Newell, C.L. & R.K. Peet. 1998. Vegetation of Linville Gorge Wilderness, North Carolina. *Castanea* 63: 275-322.
- Platt, W. & R.K. Peet. 1998. Ecological concepts in conservation biology: lessons from Southeastern Ecosystems. *Ecological Applications* 8: 907-908.
- Peet, R.K., T.R. Wentworth & P.S. White. 1998. A flexible, multipurpose method for recording vegetation composition and structure. *Castanea* 63: 262-274.

- Peet, R.K. 1998. ESA Journals: Evolution and revolution. *Bulletin of the Ecological Society of America* 79: 177-181.
- Turner, M.G., W.L. Baker, C.J. Peterson & R.K. Peet. 1998. Factors influencing succession: Lessons from large, infrequent natural disturbances. *Ecosystems* 1: 511-523.
<http://dx.doi.org/10.1007/s100219900047>
- Wiser, S.K., R.K. Peet & P.S. White. 1998. Prediction of rare plant occurrences: A Southern Appalachian example. *Ecological Applications* 8: 909-920.
[http://dx.doi.org/10.1890/1051-0761\(1998\)008\[0909:porpoa\]2.0.co;2](http://dx.doi.org/10.1890/1051-0761(1998)008[0909:porpoa]2.0.co;2)
- Baker-Brosh, K & R.K. Peet. 1997. The ecological significance of lobed and toothed leaves in temperate forest trees. *Ecology* 78: 1250-1255. <http://dx.doi.org/10.2307/2265874>
- Wiser, S.K., R.K. Peet & P.S. White. 1996. High-elevation rock outcrop vegetation of the Southern Appalachian Mountains. *Journal of Vegetation Science* 7: 703-722.
<http://dx.doi.org/10.2307/3236382>
- Wilson, J.B., M.T. Sykes & R.K. Peet 1995. Time and space in the community structure of a species-rich grassland. *Journal of Vegetation Science*. 6: 729-740.
<http://dx.doi.org/10.2307/3236444>
- Wilson, J.B., R.K. Peet & M.T. Sykes. 1995. What constitutes evidence of community structure? A reply to van der Maarel, Noest and Palmer. *Journal of Vegetation Science* 6: 753-758.
<http://dx.doi.org/10.2307/3236446>
- van der Maarel, E. & R.K. Peet. 1995. The Journal of Vegetation Science in 1995 – with some remarks on citation statistics. *Journal of Vegetation Science* 6:1-2.
<http://dx.doi.org/10.1111/j.1654-1103.1995.tb00413.x>
- Klötzli, F., R.K. Peet & E. van der Maarel. 1994. The Journal of Vegetation Science: Volume 5. *Journal of Vegetation Science* 5: 1-4.
<http://dx.doi.org/10.1111/j.1654-1103.1993.tb01154.x>
- Sykes, M.T., E. van der Maarel, R.K. Peet & J. Willems. 1994. High species mobility in species-rich plant communities: an intercontinental comparison. *Folia Geobotanica Phytotaxonomica* 29: 439-448.
- Peet, R.K. & D.J. Allard. 1993. Longleaf pine vegetation of the Southern Atlantic and Eastern Gulf Coast regions: A preliminary classification. *Proceedings of the Tall Timbers Fire Ecology Conference* 18:45–81.
- Peet, R.K. 1993 A taxonomic study of *Aristida stricta* and *A. beyrichiana*. *Rhodora* 95: 25-37.
- Peet, R.K. 1993 A taxonomic study of *Aristida stricta* and *Aristida beyrichiana*: addendum. *Rhodora* 95: 189-190
- Klötzli, F., E. van der Maarel & R.K. Peet. 1993. The Journal of Vegetation Science: Volume 4. *Journal of Vegetation Science* 4: 1-4.
<http://dx.doi.org/10.1111/j.1654-1103.1993.tb01154.x>

- Reed, R.A., R.K. Peet, M.W. Palmer & P.S. White. 1993. Scale dependence of vegetation-environment correlations in a Piedmont woodland, North Carolina, USA. *Journal of Vegetation Science* 4: 329-340. <http://dx.doi.org/10.2307/3235591>
- Willems, J.H., R.K. Peet & L. Bik. 1993. Differences in chalk grassland structure and species richness resulting from selective nutrient additions. *Journal of Vegetation Science* 4: 203-212. <http://dx.doi.org/10.2307/3236106>
- Zobel, K., M. Zobel & R.K. Peet. 1993. Changes in pattern diversity during secondary succession in Estonian forests. *Journal of Vegetation Science* 4: 489-498. <http://dx.doi.org/10.2307/3236076>
- Peet, R.K. 1992. Community structure and ecosystem properties. Pages 102-151 in D. C. Glenn-Lewin, R.K. Peet & T.T. Veblen (editors). *Plant succession: theory and prediction*. Chapman and Hall, London.
- Wentworth, T.R., M.P. Schafale, A.S. Weakley, R.K. Peet, P.S. White & C.C. Frost. 1992. A preliminary classification of North Carolina barrier island forests. In: *Maritime forest ecosystems*. U.S. National Park Service.
- Klötzli, F., R.K. Peet & E. van der Maarel. 1992. The Journal of Vegetation Science: Volume 3. *Journal of Vegetation Science* 3: 1-4. <http://dx.doi.org/10.1111/j.1654-1103.1992.tb00701.x>
- Beatty, Susan W., Robert K. Peet, and Thompson Webb III. 1991. Walter Emil Westman 1945-1991. *Journal of Vegetation Science* 2:141-142.
- van der Maarel, E & R.K. Peet. 1991. Robert Neuhäusl dead. *Journal of Vegetation Science* 2: 429. <http://dx.doi.org/10.2307/3235942>
- Peet, R.K. 1991. Lessons from nature: case studies in natural systems. Pages 605-615 in L.A. Real & J.H. Brown (editors). *Foundations of ecology: classic papers with commentaries*. University of Chicago Press, Chicago, IL.
- Allen, R.B., R.K. Peet & W.L. Baker. 1991. Gradient analysis of latitudinal variation in Southern Rocky Mountain forests. *Journal of Biogeography* 18: 123-139. <http://dx.doi.org/10.1139/b90-026>
- Allen, R.B. & R.K. Peet. 1990. Gradient analysis of forests of the Sangre de Cristo Range, Colorado. *Canadian Journal of Botany* 68: 193-201. <http://dx.doi.org/10.1139/b90-026>
- Peet, R.K. 1990. Collections in the future will be electronic. *The Scientist* 4(9): 17, 19.
- Westman, W.E., R.K. Peet & Gene E. Likens. 1990. Robert H. Whittaker 1920-1980. National Academy of Sciences Biographical Memoirs 1990: 424-444. <http://www.nasonline.org/publications/biographical-memoirs/memoir-pdfs/whittaker-robert-h.pdf>
- Knox, R.G. & R.K. Peet. 1989. Bootstrapped ordination: A method for estimating sampling effects in indirect gradient analysis. *Vegetatio* 80: 153-165. <http://dx.doi.org/10.1007/bf00048039>

- Knox, R.G., R.K. Peet & N.L. Christensen. 1989. Population dynamics in loblolly pine stands: changes in skewness and size inequality. *Ecology* 70: 1153-1166.
<http://dx.doi.org/10.2307/1941383>
- Peet, R.K., R.G. Knox, J.S. Case & R.B. Allen. 1988. Putting things in order: The advantages of detrended correspondence analysis. *The American Naturalist* 131: 924-934.
<http://dx.doi.org/10.1086/284833>
- Peet, R.K. 1988. Forests of the Rocky Mountains. Pages 63-102 in M.G. Barbour & W.D. Billings (editors). *North American terrestrial vegetation*. Cambridge University Press.
- Peet, R.K. & N.L. Christensen. 1988. Changes in species diversity during secondary forest succession on the North Carolina piedmont. Pages 233-245 in H.J. During, M.J.A. Werger & J.H. Willems (editors). *Diversity and pattern in plant communities*. SPB Academic Publishing. The Hague.
- Peet, R.K. & N.L. Christensen. 1987. Competition and tree death. *BioScience* 37: 586-595.
[Reprinted in NCASI Technical Bulletin No. 543 - March 1988.]
<http://dx.doi.org/10.2307/1310669>
- Frost, C., J. Walker & R.K. Peet. 1986. Fire-dependent savannas and prairies of the southeast: Original extent, preservation status and management problems. Pages 348-357 in D.L. Kulhavy and R.N. Conner (editors). *Wilderness and natural areas in the eastern United States*. Center for Applied Studies. Nacogdoches, Texas.
<https://scholarworks.sfasu.edu/cgi/viewcontent.cgi?article=1215&context=forestry>
- Peet, R.K., D.C. Glenn-Lewin, F. Stearns & P.C. Kangas. 1985. The academic job market for ecologists: observations from four search committees. *Bulletin of the Ecological Society of America* 66: 2-5.
- Christensen, N.L. & R.K. Peet. 1984. Measurement of diversity. Pages 43-58 in J.L. Cooley and J.H. Cooley (editors), *Natural diversity in forest ecosystems*. Institute of Ecology, University of Georgia, Athens, Georgia.
- Parker, A.J. & R.K. Peet. 1984. Size and age structure of conifer forests. *Ecology* 65: 1685-1689.
<http://dx.doi.org/10.2307/1939148>
- Peet, R. K. 1984. Twenty-six years of change in a *Pinus strobus*, *Acer saccharum* forest, Lake Itasca, Minnesota. *The Bulletin of the Torrey Botanical Club* 111: 61-68.
<http://dx.doi.org/10.2307/2996212>
- Christensen, N.L. & R.K. Peet. 1984. Convergence during secondary forest succession. *Journal of Ecology* 72: 25-36. <http://dx.doi.org/10.2307/2260004>
- Walker, J. & R.K. Peet. 1983. Composition and species diversity of pine - wiregrass savannas of the Green Swamp, North Carolina. *Vegetatio* 55: 163-179.
<http://dx.doi.org/10.1007/bf00045019>
- Peet, R.K., D.C. Glenn-Lewin and J.W. Wolf. 1983. Prediction of man's impact on plant species diversity: A challenge for vegetation science. Pages 41-54 in W. Holzner, M.J.A. Werner and I. Ikusima (editors). *Man's impact on vegetation*. Junk, The Hague.

- Westman, W.E. & R.K. Peet. 1982. Robert H. Whittaker (1920-1980): The man and his work. *Vegetatio* 48: 97-122. <http://dx.doi.org/10.1007/bf00726879>
- Peet, R.K. 1981. Changes in biomass and production during secondary forest succession. Pages 324-338 in D. West, H. Shugart & D. Botkin (editors). *Forest succession: Concept and applications*. Springer-Verlag, NY. http://dx.doi.org/10.1007/978-1-4612-5950-3_20
- Christensen, N.L. & R.K. Peet. 1981. Secondary forest succession on the North Carolina piedmont. Pages 230-245 in D. West, H. Shugart & D. Botkin (editors). *Forest Succession: Concept and applications*. Springer-Verlag, NY http://dx.doi.org/10.1007/978-1-4612-5950-3_15
- Peet, R.K. & O.P. Council. 1981. Rates of biomass accumulation in North Carolina piedmont forests. North Carolina Energy Institute, Triangle Research Park, NC.
- Peet, R.K. 1981. Forest vegetation of the northern Colorado Front Range: Composition and dynamics. *Vegetatio* 45: 3-75. <http://dx.doi.org/10.1007/BF00240202>
- Peet, R.K. & N.L. Christensen. 1980. Hardwood forest vegetation of the North Carolina piedmont. *Veröff. Geobot. Inst. ETH Stiftung Rübel* 69: 14-39.
- Peet, R.K. & N.L. Christensen. 1980. Succession: A population process. *Vegetatio* 43: 131-140. <http://dx.doi.org/10.1007/bf00121025>
- Peet, R.K. 1980. Ordination as a tool for analyzing complex data sets. *Vegetatio* 42: 171-174. (Also, *Advances in Vegetation Science* 2, Classification and Ordination). http://dx.doi.org/10.1007/978-94-009-9197-2_20
- Peet, R.K. 1980. A bibliography of the vegetation of the Carolinas: Supplement I. *Veröff. Geobot. Inst. ETH Stiftung Rübel* 69:183-185.
- Peet, R.K. 1979. A bibliography of the vegetation of the Carolinas. *Veröff. Geobot. Inst. ETH Stiftung Rübel* 68:263-297.
- Peet, R.K. 1978. Latitudinal variation in southern Rocky Mountain forests. *Journal of Biogeography* 5: 275-289. <http://dx.doi.org/10.2307/3038041>
- Peet, R.K. 1978. Forest vegetation of the Colorado Front Range: Patterns of species diversity. *Vegetatio* 37: 65-78. <http://dx.doi.org/10.1007/bf00126830>
- Peet, R.K. 1978. Ecosystem convergence. *American Naturalist* 112:441-444. <http://dx.doi.org/10.1086/283285>
- Peet, R.K. & O.L. Loucks. 1977. A gradient analysis of southern Wisconsin upland forests. *Ecology* 58: 485-499. <http://dx.doi.org/10.2307/1938999>
- Peet, R.K. 1975. Relative diversity indices. *Ecology* 56: 496-498. <http://dx.doi.org/10.2307/1934984>
- Peet, R.K. 1974. The measurement of species diversity. *Annual Review of Ecology and Systematics* 5: 285-307. [Citation Classic]

Peet, R.K. 1971. The presettlement vegetation of Rock County, Wisconsin. *Michigan Botanist* 10: 150-154.

Book Reviews

Peet, R.K. 1996. A personal perspective on biodiversity. Review of M.A. Huston. Biological diversity: coexistence of species on changing landscapes. Cambridge University Press. *Conservation Biology* 10:691-692.

<http://dx.doi.org/10.1046/j.1523-1739.1996.10020687-5.x>

Peet, R.K. 1990. Eastern North America as seen by a botanist: Pictorial. I. The Arctic Region. II. The Wooded Regions. (Review of In-Cho Chung, 1989). *Journal of Vegetation Science* 1:285-286. <http://dx.doi.org/10.2307/3235668>

Peet, R.K. 1989. A theory of plant communities: the second approximation (Review of D. Tilman. *Plant strategies and the dynamics and structure of plant communities*) *Ecology* 70:520-521. <http://dx.doi.org/10.2307/1937560>

Peet, R.K. 1987. Review of: *Forest dynamics research in Western and Central Europe*. J. Fanta (editor). *Vegetatio* 72:61. <http://dx.doi.org/10.1007/BF00044953>

Peet, R.K. 1987. Review of: *Research data management in the ecological sciences*. W.K. Michener (editor). *Vegetatio* 72:62-63. <http://dx.doi.org/10.1007/BF00044953>

Peet, R.K. 1987. Review of: *Ecology of an oak forest in Hungary: results of "Sikfokut Project" 1 - Structure production and mineral cycling*. P. Jakucs (editor). *Vegetatio* 71: 62-63. <http://dx.doi.org/10.1007/BF00048512>

Peet, R.K. 1984. Ecology of temperate evergreen forests. *Ecology* 65:1334. <http://dx.doi.org/10.2307/1938339>

Peet, R.K. 1978. Ecological Succession. *Quarterly Review of Biology* 53: 187. <http://dx.doi.org/10.1086/410549>

Peet, R.K. 1976. The legacy of MacArthur. *Ecology* 57: 613-614. <http://dx.doi.org/10.2307/1936447>

Peet, R.K. 1976. *Sedum*, and a philosophy of science. *Ecology* 57: 831-832. <http://dx.doi.org/10.2307/1936200>

Research funding:

US Geological Survey. 2015-2018. Analysis, Revision and Documentation of Longleaf Pine Associations of the National Vegetation Classification (Group 007) occurring in the Carolinas, Georgia and Florida. \$79,955.

US Forest Service. 2010-2017. VegBank maintenance and enhancement. Subcontract through ESA. \$94,811.

US Geological Survey. 2015-2016. Development of a data product documenting plant occurrence records from vegetation plots. \$9,994.

US Geological Survey. 2014-2015. Assembly, standardization, evaluation and dissemination of a critical mass of vegetation plots from the Carolinas, Virginias, and adjacent regions. \$37,038.

US National Park Service. 2014-2015. Database development for the Cumberland-Piedmont Network Vital Signs Monitoring. \$54,267.

Ecosystem Enhancement Program, North Carolina Department of Environment and Natural Resources. 2012-2015. A scalable prototype data structure for EPP hydrology data and data-stream integration. \$90,418.

US Department of Agriculture, Natural Resources Conservation Service. 2012-2015. Ecological site description development for the southern Piedmont, MLRA 136. \$50,000.

iPlant Collaborative. 2009-2014. Botanical Information and Ecology Network (BIEN) and Taxonomic Name Resolution Service. Joint-PIs: B. Enquist (UAZ), R. Condit (STRI), R.K. Peet (UNC). Support is in the form of workshops plus research services such as software development personnel.

National Center for Ecological Analysis and Synthesis. 2008-2014. Developing an integrated botanical information network to investigate the ecological impacts of global climate change on plant biodiversity” Joint-PIs: B. Enquist (UAZ), R. Condit (STRI), R.K. Peet (UNC), and S. Dolins (Bradley). Total funds \$65,000 to be spent at NCEAS.

North Carolina Department of Natural Resources, Natural Heritage Program. 2014. Survey of under-sampled vegetation types in focal areas of North Carolina. \$24,158.

US National Park Service. 2011-2014. Vegetation monitoring database development. \$69,309.

US Geological Survey. 2012-2014. US National Vegetation Classification peer review process, a case study. Subcontract through ESA. \$33,054.

Ecosystem Enhancement Program, North Carolina Department of Environment and Natural Resources. 2011-2013. Vegetation documentation for restoration design and monitoring. \$65,223.

Dominion Power. 2006-2011. Monitoring the Establishment and Survival of Floodplain Tree Seedlings: Roanoke River. \$453,643.

Ecosystem Enhancement Program, North Carolina Department of Environment and Natural Resources. 2007-2011. Vegetation documentation for restoration design and monitoring. \$991,487.

NASA. 2006-2009. Testing and Extending Biodiversity Paradigms and Their Sensitivities to Scale through Integration of In Situ and Satellite Data. PI Aaron Moody \$358,138. Co-PI R.K. Peet.

National Science Foundation. 2002-2008. ITR enabling the Science Environment of Ecological Knowledge. Co-PI. Only UNC PI, UNC Portion \$351,104. ITR-0225635

UNC Pogue Fellowship. 2008. Study leave at the National Center for Evolutionary Synthesis. \$60,000.

NASA Earth System Science Fellowship Program. 2004-2007. The evaluation of productivity-diversity relationships across two distinct ecological communities with respect to global climate change using local and landscape scale data. \$71,850.

Ecosystem Enhancement Program, North Carolina Department of Environment and Natural Resources. 2005-2006. North Carolina Vegetation Survey: Providing a template for ecological restoration. \$251,558.

North Carolina Biotechnology Center. 2003-2004. A characterization of plant communities surrounding North Carolina agricultural ecosystems. \$85,000.

U.S. Forest Service. 2002-2004. Pond cypress savannas of the Francis Marion National Forest. \$18,000.

National Science Foundation. 2002-2006. An Information Infrastructure for Vegetation Science. PI. \$1,050,000. NSF DBI-0213794

National Science Foundation. 2001-2005. Modeling the Impacts of Post-Settlement Sediment Deposition on Floodplain Vegetation. Co-PI; total award \$468,637; UNC portion \$56,607.

National Science Foundation. 2000-2003. A perfectly-archived, continuously-updated database system for analysis of North American vegetation. \$366,140. DBI-9905838

Florida Nongame Wildlife Program. 1999-2003. Fire-adapted pineland vegetation of Florida: A framework for inventory, management and restoration. \$122,410.

North Carolina Natural Heritage Trust. 1999-2001. Vegetation of North Carolina. \$20,000.

U.S.G.S. Gap Analysis Program. 1999-2001. An information infrastructure for vegetation science. \$50,000.

National Center for Ecological Analysis and Synthesis. 1998-2004. An information infrastructure for vegetation science. \$68,000.

U.S. Forest Service. 1998-2004. Vegetation of the Appalachian Mountains. Coop Agreement \$57,000.

National Science Foundation. 1997-2002. Long-term studies of forest dynamics on the North Carolina Piedmont. \$209,498. DEB97-07551

U.S. Forest Service. 1997-99. Vegetation of the Nantahala Mountains-2. Coop Agreement 11-97-035. \$13,000.

U.S. Forest Service. 1996-98. Vegetation mapping of Middle Prong Wilderness. Coop Agreement 11-660. \$10,500.

U.S. Forest Service. 1996-98. Vegetation of the Nantahala Mountains. Coop Agreement 11-654. \$7,000.

U.S. Forest Service. Appalachian ecological classification. 1995-97. Coop Agreement. \$9,500.

Nature Conservancy Mellon Grants. 1994-97. Roanoke River Bioreserve: A preliminary assessment of the impact of flow modification on hydrology, geomorphologic processes and vegetation. \$113,571 (Co-PI with Steve Walsh of UNC Geology; UNC Biology portion = \$45,000).

U.S. Forest Service. 1994-96. Fire-adapted vegetation of the Southeastern Coastal Plain. \$65,000.

U.S. Forest Service. 1994-95. Uwharrie ecological classification. Coop Agreement 11-427. \$10,000.

U.S. Forest Service. 1994-97. Soil-vegetation relationships of the longleaf pine ecosystem. \$40,000

U.S. Forest Service. 1994-96. Vegetation classification and map of the Joyce Kilmer - Slick Rock Wilderness. \$38,000

U.S. Forest Service. 1993-94. Vegetation classification and map of the Shining Rock Wilderness. \$42,500.

National Science Foundation. 1993-95. The genetic consequences of self-thinning. Dissertation Improvement Award for Kathy Baker-Brosh. \$7,000. DEB 9224237.

U.S. Forest Service. 1992-94. Vegetation classification and map of the Linville Gorge Wilderness. \$30,000

U.S. Forest Service. 1992-94. Fire-adapted vegetation of the Carolina Sandhills: A template for restoration. \$64,162.

National Science Foundation. 1992-94. Competition between herbaceous and woody plants: the importance of herbs in forest dynamics. Dissertation Improvement Award for James Graves. \$8,535. BSR-9122920.

National Science Foundation. 1991-93. Long-term studies of forest dynamics: analysis of seedling and sapling populations (with N.L. Christensen). \$180,000. (UNC portion \$146,729). BSR-9107357

National Science Foundation. 1990-91. REU Supplement to: Long-term studies of forest dynamics. \$4,324. BSR-8905926 supplement.

National Science Foundation. 1989-94. Long-term studies of forest dynamics. \$174,930. BSR-8905926

United States Forest Service. 1986-88. Analysis of Duke Forest permanent plot data: Patterns of production and mortality of seedlings and trees. (with N.L. Christensen, administered through Duke University, \$72,665).

National Science Foundation. 1985-88. Mechanisms of coexistence in species-rich grasslands: A comparative, experimental study. \$69,858. BSR-8506098.

National Science Foundation. 1985-87. Secondary forest succession on the North Carolina piedmont (with N.L. Christensen). \$80,000. (UNC portion \$39,999). BSR-8502430.

National Science Foundation. 1984-89. Long-term studies of secondary forest succession and tree demography on the North Carolina piedmont. \$124,065. BSR-8314655.

National Science Foundation. 1984-86. Vegetation analysis and determination of rate of vegetation change in a regional landscape: The Albemarle Embayment. Dissertation Award for Cecil Frost. \$7500. BSR-8401191.

National Science Foundation. 1981-83. Secondary forest succession on the North Carolina piedmont (with N.L. Christensen). \$100,000 (UNC portion \$60,235). DEB-8102775.

National Science Foundation. 1978-81. Secondary forest succession on the North Carolina piedmont (with N.L. Christensen). \$180,000 (UNC portion \$91,274). DEB-7804043.

North Carolina Energy Institute. 1978-79. Changing rates of solar energy biomass accumulation in North Carolina piedmont forests. \$12,322.

National Science Foundation. 1977-78. Secondary forest succession on the North Carolina piedmont (with N.L. Christensen). \$41,000 (UNC portion \$21,900). DEB-7708743.

Invited Participation in National & International Meetings (2005 - 2018).

- 2018 Plenary Speaker. Annual Symposium, International Association for Vegetation Science. Missoula, MT.
- 2018 Laudatio for 2018 IAVS Honorary Member Laco Mucina. Annual Symposium, International Association for Vegetation Science. Missoula, MT.
- 2017 Laudatio for 2017 Alexander von Humboldt Award Winner F.S. Chapin III. Annual Symposium, International Association for Vegetation Science. Palermo, Italy.
- 2016 Invited participant, sDiv workshop on Plant trait-environment relationships across the world's biomes. iDiv, German Center for Integrative Biodiversity Research, Leipzig, Germany.
- 2016 Invited speaker, Organizing Committee, and Session Chair. International Association for Vegetation Science. Pirenópolis, Brazil.

- 2014 Invited Speaker and Organizing Committee, Annual Symposium, International Association for Vegetation Science. Perth, Australia.
- 2014 Invited participant, Workshop on Exploring Heterogeneity in the Ecology, Restoration, and Management of Longleaf Groundcover. Mobile, AL.
- 2014 Invited speaker and participant, U.S. Federal Geographic Data Committee & Ecological Society of America, Vegetation Panel. Workshop on revision of the Macrogroups of the US National Vegetation Classification. Linthicum Heights, MD.
- 2014 Invited speaker and participant, BIGCB Workshop on Taxon Concepts. Berkeley, CA.
- 2014 Invited participant, sDiv workshop on Plant trait-environment relationships across the world's biomes. iDiv, German Center for Integrative Biodiversity Research, Leipzig, Germany.
- 2013 Invited speaker and participant. U.S. Federal Geographic Data Committee & Ecological Society of America, Vegetation Panel. Development of peer review procedures for the U.S. National Vegetation Classification. Chapel Hill, NC.
- 2013 Invited speaker, Annual Symposium, International Association for Vegetation Science, Tartu, Estonia.
- 2013 Invited symposium speaker, Annual meeting of the Ecological Society of America, Minneapolis, MN.
- 2012 Invited speaker and participant, International Arctic Vegetation Database Workshop – CBIONET. Roskilde, Denmark.
- 2012 Invited participant. National Center for Ecological Analysis and Synthesis: Reflections and moving ahead. Santa Barbara, CA.
- 2012 Invited speaker and participant. U.S. Federal Geographic Data Committee & Ecological Society of America, Vegetation Panel. Implementing the U.S. National Vegetation Classification. Denver, CO.
- 2011. Convener. 54th Annual Symposium, International Association for Vegetation Science, Lyon, France.
- 2010 Invited speaker and participant. Stream Restoration in the Southeast. Raleigh, NC.
- 2010 Invited speaker and participant. Planning for implementation of the FGDC Vegetation classification standard. Ecological Society of America` Vegetation Panel, ESA Annual Meeting, Albuquerque, NM.
- 2010 Invited speaker and participant. iPlant 2010 Conference. Las Vegas, NV.
- 2010 Invited speaker and participant. Taxonomic concepts. Taxon name resolution service. Joint BIEN-iPlant meeting. Missouri Botanical Garden, St. Louis, MO.
- 2010 Invited participant. Taxon observation data and the data integration problem. SERNEC (NSF-RCN) meeting. Chapel Hill, NC.

- 2010 Invited speaker and participant. Evaluation of alvar vegetation data as a prototype for implementation of the National Vegetation Classification. Ecological Society of America Vegetation Panel. Chapel Hill, NC.
- 2010 Convenor. 53rd Annual Symposium, International Association for Vegetation Science. Ensenada, Mexico.
- 2009 Convenor. 52nd Annual Symposium, International Association for Vegetation Science. Chania, Crete, Greece.
- 2009 Invited speaker and participant. Implementation strategies for the US National Vegetation Classification. US Federal Geographic Data Committee. Washington, DC.
- 2009 Invited symposium speaker and participant. Planning for implementation of the FGDC Vegetation classification standard. Ecological Society of America` Vegetation Panel, ESA Annual Meeting. Albuquerque, NM.
- 2009 Invited participant. The challenge of taxon concepts. Global Biodiversity Information Facility (GBIF). Annual meeting. Herndon, VA.
2009. The National Vegetation Classification as a guide to ecosystem restoration and management in the Carolinas: Vision and reality. Annual meeting of the Ecological Society of America. Symposium on application of the vegetation classification.
2009. Names are not sufficient: The challenge of documenting organism identity revisited. National Center for Ecological Analysis and Synthesis, Santa Barbara, CA.
2009. Implementing the US National Vegetation Classification. U.S. Federal Geographic Data Committee, Vegetation Subcommittee. Washington, DC.
- 2008 Names are not sufficient: The challenge of documenting organism identity. National Center for Ecological Analysis and Synthesis, Santa Barbara, CA.
2008. An information infrastructure for vegetation science. U.S. Federal Geographic Data Committee, Washington, DC.
2008. Implementing the US National Vegetation Classification. U.S. Federal Geographic Data Committee, Vegetation Subcommittee, Arlington, VA.
2008. Keynote speaker. 51st Annual Symposium, International Association for Vegetation Science. Stellenbosch, South Africa.
2007. Invited participant. Integration of taxonomic concept relationships. Meeting of NSF RCN for Southeast Regional Network of Expertise and Collections. National Evolutionary Synthesis Center, Durham, NC.
2007. Invited speaker and participant. Obstacles to Data Sharing for Ecology, Evolution, and Organismal Biology. NSF Workshop conducted by the Ecological Society of America. National Evolutionary Synthesis Center, Santa Barbara, CA.
2007. Invited speaker and participant. Planning and design of Traitnet. Meeting of NSF RCN for Columbia University, NY, NY.

- 2007. Organizer and Speaker. International exchange standards for vegetation plot data. Ecoinformatics Working Group, International Association for Vegetation Science. National Evolutionary Synthesis Center, Durham, NC.
- 2007. Invited symposium speaker. Fire-maintained longleaf pine: A case study in implementing the U.S. National Vegetation Classification. Annual meeting of the Ecological Society of America, San Jose, CA.
- 2007. Invited speaker and participant. Annual meeting of the International Association for Vegetation Science, Swansea, Wales.
- 2007. Organizer and Speaker. The VegBank data model and XML schema. International exchange standards for vegetation plot data. National Evolutionary Synthesis Center. Durham, NC.
- 2007. Invited Speaker and participant. The challenge of organism identity: the flora of the Southeast as a case study. SERNEC meeting. National Evolutionary Synthesis Center. Durham, NC.
- 2007. Invited Speaker and participant. Coalition for Networked Information, Washington, DC.
- 2007. Invited participant. SERNEC: A vision for community involvement and integration. Meeting of the NSF Research Coordination network: SE Regional network of expertise and collections. Columbia, SC.
- 2007. Featured speaker. Radford memorial symposium. Association of Southeastern Biologists annual meeting. Columbia, SC.
- 2007. Invited speaker and participant. Allen Press Emerging Trends in Scholarly Publishing Seminar. All Together Now: Scholarly Communication and the Power of Online Communities. Here, There, and Everywhere: The Great Promise of Research Data Commons. Washington, DC.
- 2006. Invited speaker. Symposium on ecological restoration, Annual meeting of the Ecological Society of America. Memphis, TN.
- 2006. Invited speaker and participant. Data Centers for Ecology, Evolution, and Organismal Biology. National Center for Ecological Analysis and Synthesis, Santa Barbara, CA.
- 2006. Organizer and speaker. Workshop on international exchange standards for vegetation plot data. National Evolutionary Synthesis Center, Durham, NC.
- 2006. Invited speaker. Data centers for ecology, evolution, and organismal biology. National Science Foundation sponsored workshop. National Center for Ecological Analysis and Synthesis, Santa Barbara, CA.
- 2006. Invited speaker and participant, Center for Tropical Forest Science, Database Advisory Workshop, Panama City, Panama.
- 2006. Invited speaker. Workshop on Developing and integrating taxonomic databases for the 21st Century. Sponsored By the National Science Foundation, and the National Evolutionary Synthesis Center, Durham, NC.

- 2006. Invited speaker. GUID-1 Workshop, Global Universal Identifiers for taxonomic data. Sponsored by the Global Biodiversity Facility (GBIF), the Taxonomic Databases Working Group (TDWG), and the National Evolutionary Synthesis Center. Durham, NC.
- 2006. Invited symposium speaker. Names are not sufficient: the challenge of documenting organism identity. Symposium on Herbarium Informatics: Community Standards and Research Questions. Association of Southeastern Biologists. Gatlinburg, TN.
- 2005. Invited speaker. An information infrastructure for vegetation classification and documentation. National GAP meeting and Interagency Symposium. Reno, NV
- 2005. Organizer and speaker. Working group on "An information infrastructure for Vegetation Science." National Center for Ecological Analysis and Synthesis. Santa Barbara, CA
- 2005. Panel Discussion Participant and Invited paper author. Scholarly communications in a digital world: A convocation. Chapel Hill, NC.
- 2005. Keynote Speaker. Fourth annual vegetation databank workshop: Vegetation databanks and GIS applications. Halle, Germany.

Invited Seminars (2011-2018)

Friends of Plant Conservation, Earth Day lecture, April 2015
 East Carolina University, April 2014.
 Duke University, January 2014.
 Cooperative Ecosystems Study Unit (at Duke University). October 2013.
 Mississippi State University, September 2013.
 Friends of Plant Conservation, Annual meeting. Asheville, NC, November 2012.
 Old Dominion University, September 2011
 Oklahoma State University, April 2011
 Duke University, January 2011

Students:

Postdoctoral associates - 9

Thomas Phillippi, 1992-95 (currently Quantitative Ecologist, US NPS National Inventory & Monitoring Program); Richard Duncan, 1993-94 (Currently Professor, University of Canberra); Eric Kjellmark, 1995-96 (Currently Professor, Florida Southern University); Steven K. Rice, 1995-96 (Currently Professor, Union College); Dan C. Gafta, 1998-99 (Currently Associate Professor, Babeş-Bolyai University); Jason Fridley, 2002-06 (Currently Professor, Syracuse University); Nico M. Franz, 2003-05 (Currently Professor & Biocollections Director, Arizona State University); Xianhua Liu, 2003-06 (Currently Tech Lead at HCL Technologies); Forbes Boyle 2006-11 (Currently Scientist, US Fish & Wildlife Service, Inventory & Monitoring Network).

Ph.D. students - 27

Joan Walker, 1985; Robert Gaylord Knox, 1987; Robert Bruce Allen, 1988; Susan K. Wiser, 1993 (with P. White); Lauro Lopez Mata, 1994; James Hazen Graves, 1995 (with P. White); Jacob Kann (with V. Smith) 1996; Kathleen F. Baker-Brosh, 1996; James DeCoster, 1996; Claire

Leith Newell, 1997; Jeffrey D. Corbin, 1997; Timothy David Nifong, 1998 (with A. Radford); Cecil Carlisle Frost III, 2000; Rebecca Louise Brown, 2002; Jason D. Fridley, 2002; Patricia Corry, 2006; Weimin Xi, 2006; Joel M. Gramling, 2006; Lee Anne Jacobs Reilly, 2010; Jeffrey Eric Ott, 2010; Elizabeth Rainey Matthews, 2011; Brooke E. Wheeler, 2011; Jacqueline Michael White, 2014; Kyle Ann Palmquist, 2014 (with P. White); Dennis Darwin Tarasi 2016, Christopher Joseph Payne 2018; Alissa Brown, 2019 (with P. White).

MA/MS students - 21

William Lawrence Baker, 1980; Gary W. Thorburn, 1980; Orin Pete Council, 1980; Joan Walker Wolf, 1980; Dorothy Allard Scoville, 1981 (with P. White); James D. Doyle, 1981; Mary Love May, 1981; Ann M. Richards, 1983; Sonja Stiefel, 1993; Janette E. Schue, 1995; Peter G. Avis, 1998; Mark David Knot 2001; Elissa Rachel Hochman, 2004; Kristin Taverna, 2004 (with P. White); Andrea Elizabeth Gramling, 2006; Andrew David Gerschutz, 2009; Amanda Ruth Senft, 2009; Jasper McChesney, 2010; Stephanie Seymour, 2011 (with A. Weakley); Kimberly Israel, 2011; Nicholas S. Adams, 2012 (with A. Weakley & J. Randall).

BA Honors students - 10

Rebecca A. Reed, 1991 (with P. White); Amanda G. McAdams, 1992; Christine C. Muth, 1996; S. Chris Reberg-Horton 1996; Robert Ian McDonald, 2000; Daniel J. McGlinn, 2004; Jessica Long, 2006; Sally S. Whisler, 2007; Elizabeth Marx, 2007; Emily Layne Watson-Cook 2017.

Selected Committees.

National Committees & Government Panels: ABI-EPRI Advisory Committee; Working Group for an Information Infrastructure for Vegetation Science, National Center for Ecological Analysis and Synthesis (Chair); Scientists Panel for a North Carolina Statewide Conservation Strategy. The Environmental Defense Fund (Member); NC Governor's "Blue Ribbon Task Force on Forest Sustainability"; Albemarle-Pamlico National Estuary Program Science & Technical Advisory Committee (2005-2007).

University Committees: Administrative Board of the Library (1980-81, 1987-90, 2002-07, Chair 2004-07, Scholarly Communications Subcommittee Chair 2002-05); Buildings and Grounds Committee (1983-86); Carolina Environmental Program, Faculty Advisory Committee (2003-07); Chancellor's Task Force on the University Library (1990-91); Digital Curation/Institutional Repository Committee (Executive Committee, 2005-08); UNC Institute for the Environment, Faculty Advisory Committee (2007-present); UNC Special Committee on Copyright (Chair, 1997-98); UNC Copyright Committee (1999-2006, Chair 1997-98), UNC Representative to the Organization for Tropical Studies, Institutional Representative (1987-2013); Energy Conservation Committee (1984-85); University Research Council, Biology Panel (1989-90); UNC General Administration Task Force on Intellectual Property (Subcommittee Chair, 1999-2000); North Carolina Botanical Garden (Administrative Board 1976-2005, Biological Preserve Study Committee 1982-83, Conservation Committee, Chair 1978-81, Director Search Committee 1985-86, Reorganization Committee 1977-80, Internal Review Committee 1982-83, Research Committee 1986-2004, Advisory Board of the Herbarium 1988-present); Ecology Curriculum

(Chair 2003-08), Admissions Committee, Faculty Search Committee, Chair Committee on Future Faculty Hires; Curriculum for the Environment and Ecology, faculty Search Committee (2009-10); Scholarly Communications Convocation Planning Committee (2004-05)