

VIRGINIA TECH

DEPARTMENT OF AGRICULTURAL, LEADERSHIP, AND COMMUNITY EDUCATION

Faculty Impact at the College, University, National, and International Level

College Leadership

Rick D. Rudd

- Community Viability Chair 2008 – present
- Interim Associate Dean and Director, Virginia Cooperative Extension, 2009 – 2010

Donna Westfall-Rudd

- Program Director & Senior Scholar, CALS Graduate Teaching Scholars Program, 2012-present

Curtis R. Friedel

- Director, Virginia Governor's School for Agriculture, 2013-present
- Director, Center for Cooperative Problem Solving, 2016-present

Kim L. Niewolny

- State Program Leader, Community Lead, Virginia Cooperative Extension, 2017-2018

Thomas Broyles

- Director, Virginia Governor's School for Agriculture, 2003-2012

William G. Camp

- Director, Virginia Governor's School for Agriculture, 2001-2002

John R. Crunkilton

- Associate Dean, College of Education – 1989 – 1993
- Interim Dean, College of Education – 1989
- President, College of Education Faculty, 1986 -1988
- Associate Dean and Associate Director, Academic Programs – College of Agriculture and Life Sciences, 1993 – 2003
- Chair, College of Agriculture and Life Sciences Academy of Teaching Excellence, 1992 - 1993

University Leadership

Kim L. Niewolny

- Equity and Social Disparity in the Human Condition, Strategic Growth Area Stakeholder Representative, 2016-present (Invited by Provost)
- Advisory Committee, Center for the Humanities at Virginia Tech, 2018-present

Eric K. Kaufman

- Faculty Principal, Honors Residential College/Commons, 2014-2017

John Hillison

- President, Virginia Tech Faculty Senate, 1991
- Chair, Virginia Tech Retiree's Association, 2015 – 2016

John R. Crunkilton

- President, Phi Delta Kappa Chapter, 1989 – 1990

J. Dale Oliver

- President, Phi Delta Kappa Chapter, 1974 – 1975

Alfred H. Krebs

- Director of Summer School, 1973

Evans G. Thompson

- Director of Admissions, 1965

T. J. Horn

- Director of Resident Instruction, College of Agriculture, 1960

Walter S. Newman

- President, 1947 – 1962

National Level Leadership

Rick Rudd

- American Association for Agricultural Education Fellows Chair, 2016-18
- Association of Leadership Educators President (2005-2006)

Kim L. Niewolny

- Board Member, Agriculture, Food, and Human Values Society (AFHVS), 2016-present
- Co-Chair, 7th National Small Farm Conference, USDA-NIFA, 2016,
- Chair, Sustainable Agriculture Education Association (SAEA) –2013-2014
- Vice Chair, Sustainable Agriculture Education Association (SAEA) –2012-2013

Hannah H. Scherer

- Co-chair, Earth Educators' Rendezvous Annual Conference 2017 and 2018

Curtis R. Friedel

- Managing Editor, Career and Technical Education Research, 2007-2014

Eric K. Kaufman

- President, Association of Leadership Educators, 2013-14

William G. Camp

- Executive Director, Omicron Tau Theta, National Career and Technical Education
- Graduate Honor Society, 2001-2004
- President, Board of Directors, American Association of Vocational Instructional Materials, 2002

- President, American Vocational Education Research Association, 2000
- President, American Vocational Education Research Association, 2000. Established online journal, 1999
- President, Omicron Tau Theta, national graduate honorary vocational education society, 1990
- Editor, Journal of Vocational and Technical Education, 1986-1987, 1996-1997. Established online journal 1996
- Editor, Journal of Southern Agricultural Education Research, 1999-2000
- Editor, Summaries of Research and Development Activities in Agricultural Education,
- American Association of Teacher Educators in Agriculture, 1983-85
- Chair, National Task Force on Agricultural Education Teacher Recruitment, The National Council for Agricultural Education. 1997-1998
- Chair, Teacher Recruitment, Development, and Retention Committee, The National Council for Agricultural Education. 1996-1998
- Chair, National Task Force on Beginning Teachers of Agricultural Education, The National Council for Agricultural Education. 1996-1999

John Hillison

- Editor, Journal of the American Association of Teacher Educators in Agriculture. 1983-1985

Larry E. Miller

- Editor, Journal of the American Association of Teacher Educators in Agriculture. 1974-1976

John R. Crunkilton

- Editor, Journal of the American Association of Teacher Educators In Agriculture, 1970-1974
- Co-Chair, National Student Teacher's Conference in Agricultural Education, 1978
- President, American Association of Teacher Educators in Agriculture, 1980
- Chair, Technical Agricultural Association, 2000-2002

James P. Clouse

- President, National FFA Alumni Association, 1971

J. Dale Oliver

- Editor Journal of Vocational Education Research, 1982 -1983
- President - American Vocational Education Research Association - 1979
- Chair - National Agricultural Education Research Meeting - 1982

International Level Leadership

John R. Crunkilton

- President, Association for International Agricultural and Extension Education, 1990-1991

John Hillison

- President, Gamma Sigma Delta International, 2002 - 2004

Rick Rudd

- President, North America Colleges and Teachers of Agriculture, 2012-13

Curtis R. Friedel

- Associate Fellow, Occupational Research Centre, United Kingdom, 2016-present

International Level Consulting

Rick D. Rudd

- Senegal, USAID Youth in Agriculture Technical and Vocational Education, 2018-2023
- Senegal – USAID Extension and Research capacity building, 2015-2018
- Feed the Future Countries, USAID INNOVATE education for agriculture, 2012 – 2017

John R. Crunkilton

- Greece – Coordinated and taught seminars on professional development for agricultural leaders from 18 developing countries, 1983, 1986, 1987, 1988, 1989, 1990, 1991
- Seminar for Bulgarian Agricultural Faculty from Agricultural Universities in Bulgaria, 1993
- Developed administrative and curricular framework for the new Perrotis College at the American Farm School, 1995
- Developed an international student exchange program between Perrotis College at the American Farm School and Virginia Tech, 2000
- Board of Trustees of the American Farm School, 1998-present
- Yemen, USAID Faculty of Agriculture Development, Sana's University, 1989
- Bulgaria, Agricultural Foundation and Agricultural Education Development, 1991
- VOCA - Agricultural University of Plovdiv – Advise on forming a department of vocational agriculture teacher training, 1994
- Japan, East Asia Regional Council of Overseas Schools - Osaka International School Faculty Development, 1992
- Indonesia, East Asia Regional Council of Overseas Schools - Bali International School Faculty Development, 1992
- Swaziland, USAID -Workshop to determine professional competencies needed by vocational teachers, 1993
- Egypt, USAID National Curriculum Development, 1993
- Albania, Bulgaria, and Greece – VOCA Volunteer on agricultural education program and curriculum development, 1994, 1996
- Albania, VOCA – Advise on forming a department of vocational agriculture training program at the Agricultural University of Tirana and curriculum development seminars, 1996
- USAID Restructuring Agriculture Project, 1997
- South Africa, Developed an international student exchange program between the University of Orange Free State and Virginia Tech, 1997
- Trinidad and Tobago, developed an international student exchange program between the University of West Indies and Virginia Tech, 1998
- England, explored the possibilities of developing an international exchange program between the University of Reading and Virginia Tech, 1998
- Thailand, explored the possibilities of developing an international exchange program between Thammasat University and Kasetsart University and Virginia Tech, 2000
- Armenia, USDA - Curriculum Development with the Agricultural University of Armenia and Professional Development of University Administrators, 2007

Martin B. McMillion

- Panama – National FFA – Advised FFA college students trying to improve Future Farmers of Panama, 1980
- New Zealand – Lincoln College – Study agricultural education in public high schools in the South Island of New Zealand, 1983-1984
- Albania – American Farm School – Faculty development of agricultural teachers in high schools and university faculty, 1995

J. Dale Oliver

- Cameroon – USAID – Linkages among research, extension and farmers, 1992

James P. Clouse

- Brazil – USDA – Sister States, Visiting lecturer of Santa Catrina, 1975
- USDA – Training programs for managers of farmers markets, 1985
- Sudan – USAID – Faculty development in teacher training programs, 1980, 1981, 1983, 1986, 1989
- Kenya – National FFA – Young farmer training programs for agricultural teachers, 1985, 1989
- Zimbabwe – Finnish Aid Program – Agricultural education programs for women, 1989
- Botswana – Finnish Aid Program – Agricultural education programs for women, 1989
- Tanzania – Finnish Aid Program – Agricultural education programs for women, 1989
- Greece – American Farm School – Seminars on the professional development of agricultural leaders from developing countries, 1988, 1989, 1990, 1991
- Italy – Evaluation of agricultural programs for women, 1989
- Evaluation of extension agent training programs, 1991
- Albania – American Farm School – Faculty development of agricultural teachers in high schools and university faculty, 1994, 1995, 1996, 1997
- Switzerland – Evaluation of agricultural programs for women, 1989
- Austria – Evaluation of agricultural programs for women, 1989
- Great Britain – National FFA – Young farmer and teacher education programs, 1985
- Finland – Methods for evaluation of extension programs, 1989

C. E. Richard

- Egypt – Assisted in the development of a teacher training program for teachers of agricultural education, 1956

Harry S. Sanders

- Puerto Rico – Assisted in establishing a teacher education program agriculture, 1932

International Graduate Student Development

Rick D. Rudd

- Ph. D., Asha Shayo, Tanzania, 2019
- Ph. D., Martin Sebit, South Sudan, 2017
- M. S., Asha Shayo, Tanzania, 2016
- M. S., Linda Rodriguz, Honduras, 2004
- M. S., Mommadu Lowe, Senegal, 1999

Donna Westfall-Rudd

- Masters, Ousmane Kane, Senegal
- Masters, Junior Beauvais, Haiti

Curtis R. Friedel

- Doctorate, Havva Savran Al-Haik, Turkey
- Masters, Govinda Baral, Nepal

John R. Crunkilton

- Doctorate - Pavli Mykerezzi, Albania
- C. B. S. Mndebele, Swaziland
- Victor Hernandez, Mexico
- Peter Ewang, Cameroon
- Panya Hiranrusme, Thailand (First student to earn a doctorate in the newly formed College of Education)
- Masters - K. K. Navaratnam, Sri Lanka

Martin McMillion

- Doctorate - Austin Bull, Liberia

J. Dale Oliver

- Doctorate – Laetitia Enyong – Cameroon

John Hillison

- Doctorate – K. K. Navaratnam , Sri Lanka
- J. Obahayujie, Nigeria
- M. Ibrahim, Nigeria
- T. Savelyeave – Russia

William G. Camp

- Doctorate, Howard R. D. Gordon, Jamaica
- Post-Doctorate, Agni Kafle, Nepal

Major Publications

Camp, W. G. and Heath-Camp, B. – (1988, 1991, 1997, 2002, 2009, 2016). Managing our Natural Resources, Delmar.

Camp, W. G. and Donahue, R. – (1994). Environmental Sciences for Agriculture and Life Sciences, Delmar

Camp, W. G., Jackson, R. S., Buser, R. B., & Baldwin, E. T. – (2000). Vocational student organizations and student achievement. Berkeley, CA: National Center for Research in Vocational Education.

Heath-Camp, B., Camp, W. G., & Adams, E. – (1992). Professional development of beginning vocational teachers: Implementation System. Berkeley, CA: National Center for Research in Vocational Education

Heath-Camp, B., Camp, W. G., Adams, E., Talbert, B. A., & Barber, J. D. – (1992). On becoming a teacher: An examination of the induction of beginning vocational teachers in American public schools. Berkeley, CA: The National Center for Research in Vocational Education

Camp, W. G., Moore, G. E., Foster, R., & Moore, B. A. – (1988). Computer applications for students of agriculture. Danville, IL: The Interstate Printers and Publishers, Inc.

- Camp, W. G., & Daugherty, T. B. *Managing our natural resources*. – (1988. 2nd Ed 1991, 3rd Ed 1997). Albany, NY: Delmar Publishers, Inc.
- Richardson, W.B., Camp, W. G., & McVay, W. G. – (1982). *Managing the farm and ranch*. Reston, VA: Reston Publishing Company.
- Hillison, J. and Crunkilton, J. R. – (1980). *Human Relations in Agribusiness and Activity Guide*, McGraw Hill.
- Hillison, J. – (2010). *History of Teacher Education in Agriculture, Preparing and Advancing Teachers in Agricultural Education Curriculum Materials Service*, The Ohio State University.
- Finch, C. R. and Crunkilton, J. R. - 1999(5th Ed), 1993(4th Ed), 1989(3rd Ed), 1984(2nd Ed), 1979) Allyn and Bacon. *Curriculum Development in Vocational Education*,
- Crunkilton, J. R., Osborne, S. L., Newman, M. E., Osborne, E. W. and Lee, J. S. – *The Earth and Agriscience and Teacher’s Manual*. Interstate Printers and Publishers, 1995
- Crunkilton, J. R. and Krebs, A. H. – (1982 3rd Ed). *Teaching Agriculture through Problem Solving*. Interstate Printers and Publishers
- Crunkilton, J. R. and Hemp, P. E. - (1981). “Chapter 8 – The Curriculum: Professional Education,” *Teacher Education in Agriculture*. Interstate Printers and Publishers.
- Lee J. S. and Crunkilton, J. R. - (1977). “Economic Roles, Goals, and Curricula in Agricultural Education, ”*Vocational Education and the Nation’s Economy, Seventh Yearbook of American Vocational Association*, Washington, DC.
- Clouse, J. P. and Brown, R. A. – (1981). “Chapter 6 – The Curriculum: General Education,” *Teacher Education in Agriculture*. Interstate Printers and Publishers.
- Lee, J. S. – (1973). *Commercial Catfish Farming*. Interstate Printers and Publishers.
- Long, D. L., Oliver, J. D., and Coale, C. W. – (1979). *Introduction to Agribusiness Management and Activity Guide*, Gregg/McGraw Hill.
- Dorn, S., Nartea, T., Smith, M., Westfall-Rudd, D. M. *Marketing (VCE Publication)*. In D. M. Westfall Rudd & K. Niewolny (Series Eds.), *Virginia whole farm planning: An educational program for farm start-up & development curriculum*. Blacksburg, VA: Virginia Cooperative Extension,
- Vallotton A., Niewolny, K., Kloetzli, C. *Introduction to whole farm planning (VCE Publication)*. In D. M. Westfall-Rudd & K. Niewolny (Series Eds.), *Virginia Whole Farm Planning: An educational program for farm start-up & development curriculum*. Blacksburg, VA: Virginia Cooperative Extension.
- Niewolny K., Schmidt, K., Groover, G., Smith, M. (in press). *Land acquisition and tenure (VCE Publication)*. In D. M. Westfall-Rudd & K. Niewolny (Series Eds.), *Virginia whole farm planning: An educational program for farm start-up & development curriculum*. Blacksburg, VA: Virginia Cooperative Extension.
- Friedel, C. (2014). *The value of adaption and innovation as a function of diversity*. In N. Erbe (Ed.) *Approaches to managing organizational diversity and innovation* (pp. 63-81). Hershey, PA: IGI Global. doi:10.4018/978-1-4666-6006-9.ch004
- Westfall-Rudd, D., Groover, G., Callan, P., McKay, S., (2015). *Whole Farm Business Management and Planning: An Educational Program for Farm Startup and Development*, edited by D. M. Westfall-Rudd and K. Niewolny. Virginia Cooperative Extension Publication AEE-53P. Blacksburg, VA.
- Niewolny, K., Schmidt, K., Groover, G., & Smith, M. (2015). *Land Acquisition and Tenure. Module IV in Virginia Whole Farm Planning: An Educational Program for Farm Startup and Development*, edited by D. M. Westfall-Rudd and K. Niewolny. Virginia Cooperative Extension Publication AEE-51P. Blacksburg, VA: VCE.
- Niewolny, K., Vallotton, A., & Kloetzli, C. (2014). *Introduction to whole farm planning (VCE Publication No. AEE-50P)*. In D. M. Westfall-Rudd & K. Niewolny (Series Eds.), *Virginia Whole Farm Planning: An educational program for farm startup & development curriculum*. Virginia Cooperative Extension: Blacksburg, VA.

- Niewolny, K. & D'Adamo-Damery, P. (2016). Learning through story as political praxis: The role of narratives in community food work. In Sumner, J. (Ed.), *Learning, food, and sustainability: Sites for resistance and change*. Palgrave/Macmillan: New York.
- Misyak, S., Ledlie Johnson, M., McFerren, M., Niewolny, K., Hosig, K. & Serrano, E. (2014). Understanding low-income Virginians' perceptions of healthy food, local food, and food access: Implication for nutrition programming. In Thomas, C. I. P. (Ed.), *Food insecurity in the United States*. Common Grounds: Champaign, IL.
- Niewolny, K., & Wilson, A. (2011). "Social learning" for/in adult education? A discursive review of what it means for learning to be "social." In Sharan B. Merriam & André P. Grace (Eds.), *The Jossey-Bass Reader on Contemporary Issues in Adult Education*. Jossey-Bass: San Francisco, CA
- Benson, M., Niewolny, K., & Rudd, R. (2014). An evaluation of program, training and resource needs of Virginia beginning farmers and ranchers: Virginia Beginning Farmer and Rancher Coalition Program. AEE-81P. Virginia Cooperative Extension: Blacksburg, VA.
- Niewolny, K., Kloetzli, C., & Vallotton, A. (2013). Successful farm start-up for beginners: Virginia Beginning Farmer and Rancher Coalition Program. AEE-67P. Virginia Cooperative Extension: Blacksburg, VA.
- Cletzer, D. A.* & Kaufman, E. K. (2018). Eco-leadership, complexity science, and 21st Century organizations: A theoretical and empirical analysis. In B. Redekop, D. Gallagher, & R. Satterwhite (eds.), *Innovation in Environmental Leadership* (pp. 96-122). United Kingdom: Routledge.
- Kaufman, E. K. (2016). Who's in charge of a residential college? Student-led seminars as an example of followership in action. In R. Koonce (ed.), *Followership in Action: Cases and Commentaries* (pp. 133-141). Emerald Group Publishing. doi:10.1108/978-1-78560-948-020161014
- Kaufman, E. K. (2013). Group dynamics and group roles. In W. Wagner & D. T. Ostick (eds.) *Exploring leadership for college students who want to make a difference: Facilitation and activity guide* (pp. 166-172). San Francisco, CA: Jossey-Bass.
- McKee, K. E. & Westfall-Rudd, D. M. (2013). Professional Identity Development in Graduate Students. In H. Bednarczyk and J. R. Stone (Eds.), *Career and Technical Education Research and Professional Development in the United States of America*. Badawczyk, Poland: Instytut Technologii Eksploatacji.
- Lee, J. S., Hutter, J., Rudd, R. D., Westrom, and Pollok, J. - (2010). *Introduction to Livestock and Companion Animals*. Danville, IL: Interstate Publishers Inc.
- Rudd, R. D., Editor, *Collegiate Life Knowledge curriculum* (2006).
- Cheek, J.G., Rudd, R. D., Arrington, L.R., & McGhee, M.E. (1999). *Effective Oral Communication*. Danville, IL. Interstate Publishers

Major Faculty Awards and Recognition

John Hillison

- VIP Citation National FFA Organization, 2006
- Fellow, American Association of Teacher Educators in Agriculture, 2003
- Distinguished Lecturer, American Association of Teacher Educators in Agriculture, 1997
- Academy of Faculty Service Award, Virginia Tech, 1987

John R. Crunkilton

- Outstanding Faculty Service Award, College of Agriculture and Life Sciences, Virginia Tech, 2005
- Fulbright Scholarships, Greece. 1983, 1995
- Annual Dean's Award for Teaching Excellence, College of Education, 1988
- University Certificate of Teaching Excellence, 1989
- University Alumni Teaching Excellence Award, Virginia Tech, 1991

- Distinguished Lecturer, American Association of Teacher Educators in Agriculture, 1987.
- Author of the Year Award, Journal of the American Association of Teacher Educators in Agriculture. 1984

Larry Miller

- Outstanding Teacher Award, College of Education, Virginia Tech, 1975

William G. Camp

- Outstanding article of the year, Journal of Southern Agricultural Education Research, Volume 53, 2002
- Distinguished Service Award, American Vocational Education Research Association, 2002.
- Outstanding Article Award (co-author), Journal of Vocational Education Research, Vol 24, 2000
- Anthony G. Porreca National Award for Distinguished Service to Omicron Tau Theta, 1990

Eric Kaufman, Rick Rudd, & Donna (Moore) Westfall-Rudd

- Mary Merrill Memorial Award for Outstanding Feature Article, The International Journal of Volunteer Administration (IJOVA), 2009.

Hannah H. Scherer

- NACTA Educator Award, 2018

Karen Vines

- NAEPSPD/eXtension Program Development Fellowship, 2018

Karen Vines & Hannah Scherer

- AAAE Omega II Program 2016

Donna Westfall-Rudd

- Jo Ann Underwood Ally of the Year for 2018, LGBT Caucus at Virginia Tech
- 2018 Diversity and Inclusion Service Honorable Mention, CALS Diversity Council
- North American Colleges and Teachers of Agriculture Teaching Fellow Award, June, 2013
- Outstanding Research Award, Dept. of Agricultural and Ext. Education, May 2010
- Alan A. Kahler Outstanding Dissertation Award, American Association for Agricultural Education, May 2009
- Marvin & Ruth Glock Dissertation Research Award, Department of Education, College of Agriculture and Life Sciences, Cornell University, May 2009
- Outstanding Symposium Award, The Academy for Career and Technical Teacher Education & Association for Career and Technical Education Research, November, 2009

Curtis R. Friedel

- Article of the Year, Journal of Agricultural Education, 2017
- Teacher Fellow Award, North American Colleges and Teachers of Agriculture (NACTA), 2012.
- Meritorious Service Award, Association for Career and Technical Education Research (ACTER), 2012
- Distinguished Research Award, Academy of Educational Leadership, 2011, 2012

Kim L. Niewolny

- 2017, College of Agriculture and Life Sciences, Diversity Incentive Fund Award, Virginia Tech
- 2017, Southern Extension Risk Management Education Center Outstanding Outreach Project Award
- 2016, Andy Swiger Land-Grant Award, Virginia Tech
- 2014, Teacher Fellow Award, North American Colleges & Teachers of Agriculture.
- 2013, Virginia Cooperative Extension Research Award, Specialist Category
- 2012, Virginia Cooperative Extension Research Award, Specialist Category
- 2011, Outstanding Extension Program Award, Department of Agriculture and Extension Education, Virginia Tech.
- 2008, Marvin and Ruth Glock Research Award for Outstanding Dissertation, Department of Education, Cornell University
- 2007, Julian E. Butterworth Award for Outstanding Dissertation Proposal, Department of Education, Cornell University

Rick D. Rudd

- 2006, USDA National Award for Excellence in University and College Teaching.
- 2006, NACTA Distinguished Teaching Award.

External Funding (Over \$100,000)

- Ervin, E. (PD), Ziegler, P., Scherer, H., & Friedel, C. R. (February 2017 – May 2020). USDA Higher Education Challenge Grant. Sustainability Scholars Program: Increasing Underrepresented Student success through Experiential Learning. \$139,604.
- Friedel, C. R. (April 2017 – March 2018). Virginia Department of Education. Virginia Summer Residential Governor's School for Agriculture. \$247,812.
- Friedel, C. R. (April 2016 – March 2017). Virginia Department of Education. Virginia Summer Residential Governor's School for Agriculture. \$247,812.
- Friedel, C. R. (April 2015 – March 2016). Virginia Department of Education. Virginia Summer Residential Governor's School for Agriculture. \$212,180.
- Friedel, C. R., (April 2014 – March 2015). Virginia Department of Education. Virginia Summer Residential Governor's School for Agriculture. \$212,180.
- Friedel, C. R., & Ling, E. (April 2014 – October 2014). The Chesapeake Bay Trust. Implementing a Watershed Management Course to be taught in the Virginia Governor's School for Agriculture. \$3,106.
- Friedel, C. R. (April 2013 – March 2014). Virginia Department of Education. Virginia Summer Residential Governor's School for Agriculture. \$212,180.
- Archibald, T. (60%), L. V. Crowder, J. Johnson, H. Scherer, K. Vines, R. Rudd, D. Westfall-Rudd. Feed the Future Senegal Youth in Agriculture. USAID Feed the Future. November 2, 2017-November 1, 2022. Amount awarded: \$4,000,000.
- Kaufman, E., K. M. Patrizio, J. C. Anderson, T. Archibald (5%). Professional Development Delivery Model for Department of Defense Education Activity Leadership (DoDEA) Department of Defense Schools. USDA. September 1, 2016-August 31, 2018. Award amount: \$2,122,275.
- Srinivasan, D., A. Leonessa, K. Niewolny, & T. Archibald (10%). Enhancing small and mid-level farm viability through a systems-based research network: Linking technology and sustainable development and practice. NSF. October 1, 2017-September 30, 2022. Award amount: \$498,924
- Crowder, L. V., T. Archibald (10%), & M. E. Christie. Capacity Building for Agricultural Education and Research in Senegal. USAID Feed the Future. September 2010-September, 2018. Amount awarded: \$24,572,582.
- Boyer R., M. Chase, M. Ponder, B. Chapman, J. Harrison, J. Eifert, L. Barnes, & T. Archibald (5%). Investigating and Enhancing Positive Food Safety Culture in Farmers Markets. USDA AFRI. October 2013-September 2018. Amount awarded: \$425,000.

Pruden-Bagchi A., K. Knowlton, K. Xia, M. Ponder, L. Krometis, W. Hession, T. Archibald† (8%), & A. Vallotton. Identification and Management of Critical Control Points in the Spread of Antibiotic Resistance from Animal Manure to Raw Produce. USDA. January 2015-December 2017. Amount awarded: \$2,250,000.

Niewolny K., K. Morgan, & T. Archibald† (15%). Virginia Beginning Farmer and Rancher Coalition Program (VBFRCP): A Participatory Beginning Farmer and Rancher Education and Training Initiative. USDA, NIFA Beginning Farmer and Rancher Development Program. December 2014-November 2017. Amount awarded: \$724,828.

Herbert D., E. Bush, D. Pfeiffer, D. Miller, J. Derr, T. Archibald (5%), M. Nita, M. Weaver, D. McCall, & C. Laub. Virginia IPM Program: Protecting Our Farms, Structures and Recreational Lands. USDA NIFA EIPM. September 2014-August 2015. Amount awarded: \$271,600.

Srinivasan, D., Leonessa, A., & Niewolny, K. (2017-2022). National Science Foundation. Enhancing small and mid-level farm viability through a systems-based research network: Linking technology and sustainable development and practice. \$498,924.

Leonessa, A., Asbeck, A., Niewolny, K., Srinivasan, D. (2017-2020). National Science Foundation. Affordable - Flexible Robotics to Aid Farmers with Mobility Limitations. \$999,565.

Niewolny, K., Morgan, K., Archibald, T., Crutchfield, W., Terry, K., Saacke, R., & Pickering, R. (2014-2017). USDA, NIFA Beginning Farmer and Rancher Development Program. Virginia Beginning Farmer and Rancher Coalition Program (VBFRCP): A Participatory Beginning Farmer and Rancher Education and Training Initiative. \$724,828.

Niewolny, K., Ohanehi, D., Perumpral, J., Robertson, T. (2014-2018). USDA, NIFA AgrAbility Program. AgrAbility Virginia. \$718,806.

Bendfeldt, E., Callan, P., Niewolny, K., Love, K., Mize, T., Ohlwiler, T., Boys, K., Iden, C., Harpole, D., Ignosh, J., Marston, C. (2013- 2017). National Fish and Wildlife Foundation. Collectively Impacting Watershed Health and Nutrient Pollution across the Shenandoah and Rappahannock River Basins. \$654,300.

Tanaka, K., Niewolny, K., Jacobson, K., Hodges, S., Velandia, M., Wilcox, M., Wszelaki, A. (2012-2015). USDA Southern Sustainable Agriculture Research and Education (SARE). Mapping Sustainable Farm Systems: An Integrated Focus on Upper South New Producers as Catalysts of Good Stewardship. \$270,000.

Clark, S., Niewolny, K., Hodges S., Moreno-Schroder, M., & Brown, C. (2011-2016). USDA, NIFA-AFRI, Global Food Security. Enhancing Food Security by Cultivating Resilient Food Systems and Communities: Place-based Foodshed Analysis from Research to Community Practice. \$2,436,480.

Niewolny, K., Moore, D., Rudd, R., Hodges, S. (2010-2013). USDA, NIFA Beginning Farmer and Rancher Development Program. Virginia Beginning Farmer and Rancher Coalition Project. \$743,872.

Kaufman, E. K., Archibald, T. G., Patrizio, K., & Anderson, J.A. (2017). PI: 50% contribution. "Professional Development Delivery Model for Department of Defense Education Activity Leadership Department of Defense Schools (Phase II)." USDA-NIFA. Funded for \$910,000.

Patrizio, K., Glenn, W., & Kaufman, E. K. (2016). Co-PI: 30% contribution. "Professional Development Delivery Model for Department of Defense Education Activity Leadership Department of Defense Schools (Phase I)." USDA-NIFA. Funded for \$1,212,275.

Dixon, P. G., et al. (2016). Co-PI: 15% contribution. "GEO Opportunities for Leadership in Diversity (GOLD): Hearts of GOLD." National Science Foundation. Funded for \$399,826.

Orth, D., & Kaufman, E. K. (2015). Co-PI: 50% contribution. "Quantifying the trophic impact of non-native blue catfish in Virginia's tidal rivers." Virginia Sea Grant Graduate Research Fellowship. Funded for \$120,000.

Hession, W. C., & Krometis, L. A. (2012). Kaufman Senior Personnel: 2% contribution. "REU Site: Dynamics of Water and Societal Systems – An Interdisciplinary Research Program at the Virginia Tech StREAM Lab." National Science Foundation - Engineering Education and Centers. Funded for \$314,289.

Scherer, H. PD, USDA-NIFA Higher Education Challenge Grant Program (February 2017 January 2020)
 Proposal title: Sustainability Scholars Program: Increasing Underrepresented Student Success Through Experiential Learning Collaborators (Virginia Tech): Ziegler, P. (co-PD), Friedel, C. (co-PD), Westfall-Rudd, D., Ervin, E. (former PD) Total award amount: \$139,604

Scherer, H. PD, USDA-NIFA Secondary, 2-Year Post-secondary and Ag in the Classroom Education Challenge Grant (September, 2016-2019) Proposal Title: Building a Model Experiential-based Agricultural Food Safety Program for the 21st Century Collaborators: Webb, R. Huff, C. D. (co-PD, Carroll County High School), Rasco, R. (Carroll County High School), Huff, C. D. (Carroll County High School), Huff, C. D. (former co-PD, Carroll County High School), Surratt, J. (co-PD, Wytheville Community College), Edwards, J. (former co-PD, Wytheville Community College) Total award amount: \$135,560

Westfall-Rudd, D. M., Rudd, R., Spindler, M., Scherer, H. (January, 2014 – December, 2015). Increasing Community Viability and Workforce Development through Implementation of The Governor's Taskforce for Agricultural Education Recommendations. Invited grant submission to the Virginia Department of Agriculture and Consumer Services. Funded: \$250,000. 50% participation.

Rudd, R., Westfall-Rudd, D. M., Spindler, M. (April, 2013 – September, 2013). Sub-award for the Innovation for Agricultural Training and Education—InnovATE project led by The Virginia Tech Office of International Research, Education, and Development and funded by USAID. Funded at \$7,000,000. 30% participation.

Westfall-Rudd, D., Rudd, R., Seibel, G. (October 2010 – July, 2013). Rural Innovation Project. VADACS & CALS Community Viability. Funded at \$150,000. 50% Participation.

Tyler-Mackey, C., Dunkenberger, M. B., Hosig, K., Jones, D., Price, T., Smith, M., Vines, K., Vines, N., Wenzel, S. (2018). Helping Youth PROSPER and Avoid Opioid Misuse in Virginia. In (Vol. 1,280,000). Virginia: USDA-CYFAR.

Vines, K. A., Tyler-Mackey, C., Hosig, K., Dunkenberger, M. B., O'Connor, B., Jones, D., Wenzel, S., Price, T. (2017). Preventing Opioid Abuse in Rural Virginia (Vol. \$349,606). Southwest Virginia: USDA.