



14<sup>TH</sup> ANNUAL

# VT Authors

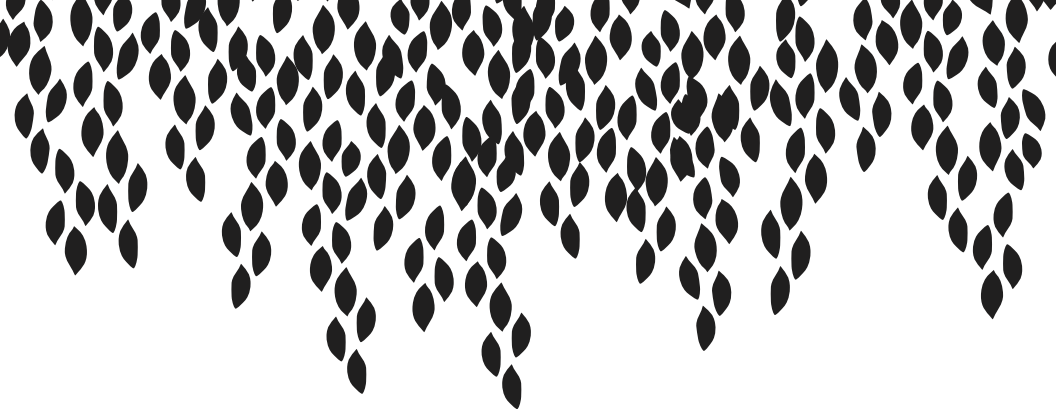
RECOGNITION EVENT



2018 PUBLICATIONS



UNIVERSITY LIBRARIES  
VIRGINIA TECH.



# VIRGINIA TECH AUTHORS RECOGNITION EVENT

MARCH 21st, 2019



UNIVERSITY LIBRARIES  
VIRGINIA TECH.





# PROGRAM

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## RECEPTION

5 p.m.

## WELCOME

5:30 p.m.

### **Tyler Walters**

Dean, University Libraries

### **Cyril Clarke**

Executive Vice President, Provost

## FEATURED SPEAKERS

### **Melanie Kiechle**

Author, *The Smell Detectives*

Associate Professor, Department of History

### **Tyechia Thompson**

Postdoctoral Associate, College of Liberal Arts and Human Sciences

## GROUP PHOTO OF AUTHORS

6:30 p.m.



# WELCOME FROM THE DEAN

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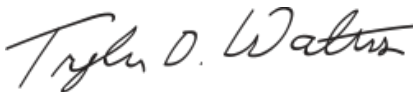
Dear friends,

It is with great pleasure that I welcome you to the 14th annual VT Authors Recognition Event. This celebration honors more than 300 Virginia Tech authors from colleges, programs, and offices across the university who have published in 2018. Their work is impactful beyond Virginia Tech.

Many of these works were created and are openly available through support from the University Libraries' Open Access Subvention Fund. The primary goal of the Open Access Subvention Fund is to provide Virginia Tech authors an opportunity to engage in new transformational open publishing and offer unrestricted access to digital research and scholarship.

During this event, we celebrate scholarship and the opportunity to share this knowledge with the world.

All the best,



Tyler Walters, Ph.D.  
Dean, University Libraries at Virginia Tech

# Virginia Tech 2018 Publications

Listed alphabetically by department

## Agricultural, Leadership, and Community Education

Vines, K. A., & Hillison, J. (2018). *One hundred years of agricultural education at Virginia Tech: Remembrances of students, faculty, and administrators*. Blacksburg, VA: Department of Agricultural, Leadership, and Community Education in association with VT Publishing.

## Agroforestry

Munsell, J., & Bukowski, C. (2018). *The community food forest handbook: How to plan, organize, and nurture edible gathering places*. White River Junction, VT: Chelsea Green Publishing.

## Biocomplexity Institute of Virginia Tech

Bassaganya-Riera, J. (2018). *Accelerated path to cures*. Cham, Switzerland: Springer.

Chen, D. Y. (2018). *Pandas for everyone: Python data analysis*. Boston, MA: Addison-Wesley.

## Biomedical Sciences & Pathobiology

Sponenberg, D. P., Beranger, J., & Martin, A. (2017). *Managing breeds for a secure future: Strategies for breeders and breed associations*. Sheffield, United Kingdom: 5M Publishing.

## Building Construction

Pearce, A., Ahn, Y. H., & HanmiGlobal (2018). *Sustainable buildings and infrastructure: Paths to the future* (2nd ed.). Abingdon, United Kingdom: Routledge.

## Business Information Technology

Taylor III, B. W. (2019). *Introduction to management science* (13th ed.). New York, NY: Pearson.

## Center for Public Policy and Administration

Goodsell, C. T. (2019). *Public servants studied in image and essay: A fanfare for the common bureaucrat*. Los Angeles, CA: CQ Press.

## Chemical Engineering

Liu, Y. A., Chang, A., & Pashikanti, K. (2018). *Petroleum refinery process modeling: Integrated optimization tools and applications*. Weinheim, Germany: Wiley-VCH.

Liu, Y. A., Wood, K. R., & Yu, Y. (2018). *Design, simulation and optimization of adsorptive and chromatographic separations: A hands-on approach*. Weinheim, Germany: Wiley-VCH.

## Chemistry

Amateis, P. G., & Silberberg, M. S. (2018). *Chemistry: The molecular nature of matter and change* (8th ed.). New York, NY: McGraw-Hill Education.

## Classical and Modern Languages

Minkova, Y. (2018). *Making martyrs: The language of sacrifice in Russian culture from Stalin to Putin*. Rochester, NY: University of Rochester Press.

## Communication

Denton Jr., R. (Ed.). (2017). *Studies of communication in the 2016 presidential campaign*. Lanham, MD: Lexington Books.

Evia, C. (2019). *Creating intelligent content with lightweight DITA*. New York, NY: Routledge.

Hopkins, W. W. (Ed.). (2018). *Communication and the law*. Northport, AL: Vision Press.

Kuypers, J. A. (Ed.). (2018). *The 2016 American presidential campaign and the news: Implications for American democracy and the republic*. Lanham, MD: Lexington Books.

Smith, S. (2019). *Careers in media and communication*. Thousand Oaks, CA: SAGE Publications.

Smith, S. (Ed.). (2019). *Recruitment, retention, and engagement of a millennial workforce*. Lanham, MD: Lexington Books.

Watkins, B. (2019). *Sport teams, fans, and Twitter: The influence of social media on relationships and branding*. Lanham, MD: Lexington Books.

## Crop and Soil Environment Sciences

Abaye, A. O. (2019). *Common grasses, legumes and forbs of the eastern United States: Identification and adaptation*. London, United Kingdom: Academic Press.

## Electrical and Computer Engineering

Ellingson, S. W. (2018). *Electromagnetics. Volume 1 (Beta)*. Blacksburg, VA: VT Publishing.

Ellingson, S. W. (2018). *Electromagnetics. Volume 1*. Blacksburg, VA: VT Publishing.

## Engineering Education

Case, J., & Ashwin, P. (Eds.). (2018). *Higher education pathways: South African undergraduate education and the public good*. Cape Town, South Africa: African Minds.

Case, J., Marshall, D., McKenna, S., & Mogashana, D. (2018). *Going to university: The influence of higher education on the lives of young South Africans*. Cape Town, South Africa: African Minds.

## English

Graham, P., Kelsall, M., & Horová, M. (Eds.). (2018). *Essays on Byron in honour of Dr. Peter Cochran: Breaking the mould*. Newcastle upon Tyne, United Kingdom: Cambridge Scholars Publishing.

Giovanni, N. (2018). *I am loved*. New York, NY: Atheneum Books.

Hicok, B. (2019). *Hold*. Port Townsend, WA: Copper Canyon Press.

Meitner, E. (2018). *Holy moly carry me: Poems*. Rochester, NY: BOA Editions.

Mueller, D. N. (2018). *Network sense: Methods for visualizing a discipline*. Louisville, CO: University Press of Colorado.

Pender, K. (2018). *Being at genetic risk: Toward a rhetoric of care*. University Park, PA: The Pennsylvania State University Press.

Smith, C. (2018). *Cruel futures*. San Francisco, CA: City Lights Publishers.

Vollmer, M. (2018). *Permanent exhibit*. Rochester, NY: BOA Editions.

## Entomology

Miller, D. M., Doggett, S., & Lee, C. (Eds.). (2018). *Advances in the biology and management of modern bed bugs*. Hoboken, NJ: John Wiley & Sons.

## Fish and Wildlife Conservation

Caruso, N., Rabaiotti, D., & Kocak, E. (2018). *True or poo?: The definitive field guide to filthy animal facts and falsehoods*. New York City, NY: Hachette Books.



## Forest Resources and Environment Conservation

Burkhardt, H. E., Avery, T. E., & Bullock, B. P. (2019). *Forest measurements* (6th ed.). Long Grove, IL: Waveland Press, Inc.

McGee, J. A., Parece, T., & Campbell, J. B. (2016). *Working with lidar using ArcGIS Desktop*. Blacksburg, VA: Virginia View.

McGee, J. A., Parece, T., & Campbell, J. B. (2017). *Remote sensing analysis in an ArcMap environment* (2nd ed.). Blacksburg, VA: Virginia View.

Stern, M. J. (2018). *Social science theory for environmental sustainability: A practical guide*. Oxford, United Kingdom: Oxford University Press.

## Geography

McGee, J. A., Parece, T., & Campbell, J. B. (2016). *Working with lidar using ArcGIS Desktop*. Blacksburg, VA: Virginia View.

McGee, J. A., Parece, T., & Campbell, J. B. (2017). *Remote sensing analysis in an ArcMap environment* (2nd ed.). Blacksburg, VA: Virginia View.

Younos, T., Schreiber, M., & Kosič Ficco, K. (Eds.). (2019). *Karst water environment: Advances in research, management and policy*. Cham, Switzerland: Springer.

## Geosciences

Schreiber, M., Younos, T., & Kosič Ficco, K. (Eds.). (2019). *Karst water environment: Advances in research, management and policy*. Cham, Switzerland: Springer.

## History

Ewing, E. T., & Randall, K. (2018). *Viral networks: Connecting digital humanities and medical history*. Blacksburg, VA: VT Publishing.

Mollin, M., Danielson, L., & Rossinow, D. (Eds.). (2018). *The religious left in modern America: Doorkeepers of a radical faith*. Cham, Switzerland: Palgrave Macmillan.

Quigley, P. (Ed.). (2018). *The Civil War and the transformation of American citizenship*. Baton Rouge, LA: Louisiana State University Press.

Quigley, P., & Hawdon, J. (Eds.). (2019). *Reconciliation after civil wars: Global perspectives*. Abingdon, United Kingdom: Routledge.

## Hospitality and Tourism Management

Khan, M. A., & Varghese, B. (2019). *Evolving paradigms in tourism and hospitality in developing countries: A case study of India*. Oakville, Canada: Apple Academic Press.

## Human Development and Family Science

Arditti, J. A., & le Roux, T. (Eds.). (2015). *And justice for all: Families and the criminal justice system*. Ann, Arbor, MI: Michigan Publishing.

Teaster, P. B., & Hall, J. E. (Eds.). (2018). *Elder abuse and the public's health*. New York, NY: Springer Publishing Company.

## Institute for Society, Culture, and Environment

Roberto, K., & Wacker, R. (2019). *Community resources for older adults: Programs and services in an era of change* (5th ed.). Thousand Oaks, CA: SAGE Publications.

## Management

Skipak, S. (2018). *Fundamentals of business* (2nd ed.). Blacksburg, VA: Pamplin College of Business in association with VT Publishing.

## Mechanical Engineering

Aref, H. & Balachandar, S. (2018). *A first course in computational fluid dynamics*. Cambridge, United Kingdom: Cambridge University Press.

Kishore, R. A., Stewart, C. J., & Priya, S. (2018). *Wind energy harvesting: Micro- to small-scale turbines*. Berlin, Germany: De Gruyter.

Mahan, J. R. (2019). *The Monte Carlo ray-trace method in radiation heat transfer and applied optics*. Hoboken, NJ: John Wiley & Sons.

Zhang, J. (Ed.). (2018). *Nuclear fuel reprocessing and waste management*. Singapore: World Scientific Publishing Co.

## Modern and Classical Languages and Literatures

Andrango-Walker, C. (2018). *El Simbolo católico indiano (1598) de Luis Jerónimo de Oré: saberes coloniales y los problemas de la evangelización en la región andina*. Vervuert/Iberoamericana.

Dickow, A., & Malela, B. B. (2018). *Albert Camus, Aimé Césaire: poétiques de la révolte*. Paris, France: Editions Hermann.

Dickow, A. (2018). *Appetites*. Asheville, NC: MadHat Press.

Gudmestad, A., & Edmonds, A. (Eds.). (2018). *Critical reflections on data in second language acquisition*. Amsterdam; Netherlands: John Benjamins Publishing Company.

## Outreach and International Affairs

Brunais, A. (2018). *Hillbilly drug baby: The story*. Virginia: WriteLife Publishing, an imprint of Boutique of Quality Books.

## Philosophy

Mayo, D. G. (2018). *Statistical inference as severe testing: How to get beyond the statistics wars*. Cambridge, United Kingdom: Cambridge University Press.

Moehler, M. (2018). *Minimal morality: A multilevel social contract theory*. Oxford, United Kingdom: Oxford University Press.

Patton, L., & Ott, W. (Eds.). (2018). *Laws of nature*. Oxford, United Kingdom: Oxford University Press.

## Political Science

Blouin-Genest, G., Doran, M., & Paquerot, S. (2019). *Human rights as battlefields: Changing practices and contestations*. Cham, Switzerland: Palgrave Macmillan.

Koch, B. & Nederman, C. J. (2018). *Inventing modernity in medieval European thought, ca. 1100 - ca. 1550*. Kalamazoo, MI: Medieval Institute Publications.

Luke, T., de Bonoist, A., & Berman, R. A. (Eds.). (2018). *Democracy and populism: The Telos essays*. Candor, NY: Telos Press Publishing.

Pula, B. (2018). *Globalization under and after socialism: The evolution of transnational capital in Central and Eastern Europe*. Stanford, CA: Stanford University Press.

Zanotti, L. (2019). *Ontological entanglements, agency and ethics in international relations: Exploring the crossroads*. Abingdon, United Kingdom: Routledge.

## Psychology

Adekson, B. O. (2019). *Supervision and treatment experiences of probationers with mental illness: Analyses of contemporary issues in community corrections*. New York, NY: Routledge, Taylor & Francis Group.

Ollendick, T. H., White, S. W., and White, B. A. (Eds.). (2018). *The Oxford handbook of clinical child and adolescent psychology*. New York, NY: Oxford University Press.

## Religion and Culture

Gabriele, M. & Burton, A. (2018). *A cultural history of western empires in the middle ages*. London, United Kingdom; New York, NY: Bloomsbury Academic.

Gabriele, M., & Palmer, J. T. (2018). *Apocalypse and reform from late antiquity to the Middle Ages*. Abingdon, United Kingdom: Routledge.

Saffle, M. (2018). *The music of Franz Liszt: Stylistic development and cultural synthesis*. Abingdon, United Kingdom: Routledge.

## The Reynolds Homestead

Steele, J. W. (2017). *Reynolds Homestead: Established 1825 as Rock Spring Plantation: A compilation of historical documents*. Critz, VA: Reynolds Homestead.

## School of Architecture and Design

Breitschmid, M., & Olgiati, V. (2018). *Nicht-Referenzielle Architektur*. Basel, Switzerland: Simonett & Baer.

Breitschmid, M., & Olgiati, V. (2018). *Non-referential architecture*. Basel, Switzerland: Simonett & Baer.

Piedmont-Palladino, S. (2019). *How drawings work: A user-friendly theory*. New York, NY: Routledge.

Tucker, L. (2019). *International building codes and guidelines for interior design*. New York, NY: Fairchild Books, Bloomsbury Publishing.

## School of Education

Alexander, M. D., & Alexander, K. (2019). *American public school law* (9th ed.). St. Paul, MN: West Academic Press.

Alexander, M. D., & Alexander, K. (2018). *The law of schools, students, and teachers in a nutshell* (6th ed.). St. Paul, MN: West Academic Press.

Cennamo, K., & Kalk, D. (2019). *Real world instructional design: An iterative approach to designing learning experiences* (2nd ed.). New York, NY: Routledge.

Cennamo, K., Ross, J., & Ertmer, P. (2019). *Technology integration for meaningful classroom use: A standards-based approach*. Boston, MA: Cengage.

Cennamo, K., & Stoner, A. M. (2018). *Enhancing reflection within situated learning: Incorporating mindfulness as an instructional strategy*. New York, NY: Springer-Verlag.

Barksdale, M. A., & Abraham, G. Y. (2018). *Literacy and democracy in South African primary schools*. Lanham, MD: Lexington Books.

Garrison, J., Andersson, J., & Östman, L. (2018). *Empirical philosophical investigations in education and embodied experience*. Cham, Switzerland: Palgrave Macmillan.

Jones, B., & Ormrod, J. E. (2018). *Essentials of educational psychology: Big ideas to guide effective teaching* (5th ed.). New York, NY: Pearson.

Jones, B. (2018). *Motivating students by design: Practical strategies for professors* (2nd ed.). Blacksburg, VA: Author.

## School of Performing Arts

Lepczyk, B., & Overby, L. Y. (Eds.). (2018). *Dance: Current selected research, Vol. 9*. Newark, DE: University of Delaware Library Open Access Publishing Platform.

Prince, S. (2019). *Digital cinema*. New Brunswick, NJ: Rutgers University Press.

Thorsett, B., & Conte, D. (2018). *Everyone sang: Vocal music of David Conte*. Fenton, MO: Arsis Audio.

## School of Public and International Affairs

Ahram, A. I., Köllner, P., & Sil, R. (2018). *Comparative area studies: Methodological rationales and cross-regional applications*. New York, NY: Oxford University Press.

Peters, J., & Pinfold, R. G. (Eds.). (2019). *Understanding Israel: Political, societal and security challenges*. Abingdon, United Kingdom: Routledge.

Riddle, B. (2018). *Essence of desperation: Counterinsurgency doctrine as the solution to war-fighting failures*. Lanham, MD: Lexington Books.

## School of Visual Arts

Kass, R., & Risatti, H. (2018). *The Mountain Lake symposium and workshop: Art in locale*. Farmville, VA: Longwood University.

Meaney, K., Ghidini, M., & Modrak, R. (2017). *#exstrange: A curatorial intervention on eBay*. Ann Arbor, MI: Michigan Publishing.

## Sociology

Harrison, A. K. (2018). *Ethnography*. New York, NY: Oxford University Press.

Hawdon, J., & Quigley, P. (2018). *Reconciliation after civil wars: Global perspectives*. London, United Kingdom: Routledge.

King, N., Streeter, R., Herling, J., & Rose, T. (2019). *Gender in film and video*. New York, NY: Routledge, Taylor & Francis Group.

Peguero, A., & Ventura, H. (Eds.). (2018). *Routledge handbook on immigration and crime*. New York, NY: Routledge, Taylor & Francis Group.

Seniors, P., Duster, M., & Thevenin, R. C. (2018). *Michelle Obama's impact on African American women and girls*. Cham, Switzerland: Palgrave Macmillan.

Shoemaker, D. J. (2018). *Theories of delinquency: An examination of explanations of delinquent behavior*. New York, NY: Oxford University Press



## Statistics

Faltin, F. W., Kenett, R. S., & Ruggeri, F. (Eds.). (2018). *Analytic methods in systems and software testing*. Hoboken, NJ: John Wiley & Sons.

## Strategic Affairs/Inclusion and Diversity

Pratt-Clarke, M. (2018). *A Black woman's journey from cotton picking to college professor: Lessons about race, class, and gender in America*. New York, NY: Peter Lang.

## Surgery

Luviano, D. M. (2019). *Ophthalmology oral board review*. Philadelphia, PA: Wolters Kluwer.

Weaver Jr., E. N., Macon, J. B., & Prokosch, L. (2018). *Surgical care of the painful degenerative lumbar spine: Evaluation, decision-making, techniques*. New York, NY: Thieme.

## University Libraries

Jackson, J. (2018). *Ritchie County crimes and calamities II: More reports from the local, state and national press, 1847-1922*. Blacksburg, VA: Author.

## ABOUT THE VT OPEN ACCESS SUBVENTION FUND

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VT Libraries will subsidize article processing charges (APCs) for articles accepted for publication in scholarly peer-reviewed open access (OA) journals.

A primary goal of the Open Access Subvention Fund (OASF) is to enable authors to engage in new transformational open publishing environments. We hope to raise awareness among Virginia Tech authors of the benefits of open publishing and to encourage new ways of thinking about digital scholarship and information access.

This initiative aligns with the University Libraries strategic direction to support the research endeavors of the VT faculty, students, and staff, including the process of providing unrestricted access to digital research and scholarship.

### **Guidelines**

All current faculty, staff, graduate, and undergraduate students are eligible.

Funds are available to underwrite article processing fees for scholarly peer-reviewed articles accepted for publication in an open access or hybrid OA journal.

Support is limited to \$1,500 per article and \$3,000 per author per year. For papers with multiple Virginia Tech coauthors, the program would still subsidize the same total amount of up to \$1,500 per article, but it would be prorated among each of the authors for the purposes of calculating amounts towards the annual limit for individuals, for example, three Virginia Tech authors counted at \$500 each.

OASF funds cannot be used in cases in which an author's research is currently supported by a funding organization (such as NIH, NSF, and the Gates Foundation) that allows grant money to be used to pay article processing fees.

A journal's publisher must be a member of the Committee on Publishing Ethics (COPE) or Open Access Scholarly Publishers Association (OASPA) or comply with a similar code of conduct.

OA and hybrid journals must be registered in an open access directory such as the Directory of Open Access Journals.

As of Jan. 1, 2019, hybrid OA journals are no longer funded, in part to bring this policy in line with Plan S.

Funding is limited and will be disbursed to authors upon approval and in the order in which they were received.

Invoices for funded articles must be received by the Libraries' head of acquisitions within 30 days of the award notification. Otherwise, the funds will be returned to the OASF and the author(s) will need to reapply.

# VT Open Access Subvention Fund

Journal articles listed alphabetically

A bistable switch in virus dynamics can explain the differences in disease outcome following SIV infections in rhesus macaques, *Frontiers in Microbiology*, Frontiers

## Math

Ciupe, M. S.

A computational investigation of lift generation and power expenditure of Pratt's Roundleaf bat (*Hipposideros pratti*) in forward flight, *PLOS ONE*, PLOS

## Mechanical Engineering

Bender, M., Fan, X., Mueller, R., & Windes, P.

A review of pediatric lower extremity data for pedestrian numerical modeling: Injury epidemiology, anatomy, anthropometry, structural and mechanical properties, *Applied Bionics and Biomechanics*, Hindawi

## Biomedical Engineering and Mechanics

Meng, Y., & Untaroiu, C. D.

A social equity analysis of the U.S. public transportation system based on job accessibility, *Journal of Transport and Land Use*, University of Minnesota Center for Transportation Studies

## Building Construction

Pearce, A., & Yeganeh, A. J.

## Urban Affairs and Planning

Hall, R., & Hankey, S.

A spectral fielder field-based contrast platform for imaging of nanoparticles in colon tumor, *Scientific Reports*, Nature

## Industrial and Systems Engineering

Kong, Z.

A standard photomap of the ovarian nurse cell chromosomes for the dominant malaria vector in Europe and Middle East *Anopheles sacharovi*, *Malaria Journal*, BMC.

## Entomology

Bondarenko, S. M., & Sharakhova, M.





Adaptive radiation along a deeply conserved genetic line of least resistance in *Anolis* lizards, *Evolution Letters*, Wiley

**Biological Sciences**

McGlothlin, J.

Adrenocortical challenge response and genomic analyses in Scottish Terriers with increased alkaline phosphate activity, *Frontiers in Veterinary Science*, Frontiers

**Biomedical Sciences & Pathobiology**

LeRoith, T., Monroe, W. E., & Zimmerman, K.

**Small Animal Clinical Sciences**

Pancier, D. L.

**Statistics**

Hoeschele, I.

**Veterinary Extension Services**

Todd, S. M.

Bridging the benefits of online and community supported citizen science: A case study on motivation and retention with conservation-oriented volunteers, *Citizen Science: Theory and Practice*, Citizen Science Association

**Forest Resources and Environmental Conservation**

Frensley, B. T., & Stern, M.

**Virginia Cooperative Extension**

Prysbey, M.

Burst mode pumping: A new mechanism of drinking in mosquitoes, *Scientific Reports*, Nature

**Biomedical Engineering and Mechanics**

Chatterjee, S., & Socha, J.

Cardiovascular and respiratory effects of lumbosacral epidural bupivacaine in isoflurane-anesthetized dogs: The effects of two volumes of 0.25% solution, *PLOS One*, PLOS


**Small Animal Clinical Sciences**

Machado, M. L., & Neves Soares, J. H.

Cell-based therapies for joint disease in veterinary medicine: what we have learned and what we need to know, *Frontiers in Veterinary Science*, Frontiers

**Large Animal Clinical Sciences**

Bogers, S. H.



Clinical management of low vitamin D: A scoping review of physician practices, *Nutrients*, MDPI

**Family and Community Medicine**

Epling, John

**Human Nutrition, Foods, & Exercise**

Hulver, M., & Rockwell, M.

Comprehensive off-target analysis of dCas9-SAM-mediated HIV reactivation via long noncoding RNA and mRNA profiling, *BMC Medical Genomics*, BMC

**Computer Science**

Watson, L. T.

Convective forces increase CXCR4-dependent glioblastoma cell invasion in GL261 murine model, *Scientific Reports*, Nature

**Biomedical Engineering and Mechanics**

Cornelison, R. C., & Munson, J.

Data on floating treatment wetland aided nutrient removal from agricultural runoff using two wetland species, *Data-in-Brief*, Elsevier

**Biological Systems Engineering**

Owen, J. S., & Spangler, J. T.

**Horticulture**

Fox, L. J., & Owen, J. S.

DeepARG: A deep learning approach for predicting antibiotic resistance genes from metagenomic data, *Microbiome*, BMC

**Civil and Environmental Engineering**

Garner, E., Pruden, A., & Vikesland, P.

**Computer Science**

Argoty, G. A. A., Heath, L. S., & Zhang, L.

Differential usefulness of nine commonly used genetic markers for identifying *Phytophthora* species, *Frontiers in Microbiology*, Frontiers


**Hampton Roads Agricultural Research and Extension Center**

Hong, C., & Yang, X.

Diversity and ice nucleation activity of microorganisms collected with a small unmanned aircraft system (sUAS) in France and the United States, *Frontiers in Microbiology*, Frontiers

**School of Plant and Environmental Sciences**

Hanlon, R., Jimenez-Sanchez, C., Powers, C., & Schmale, D.



Educators in industry: An exploratory study to determine how teacher externships influence K-12 classroom practices, *Journal of STEM Education*, Institute for STEM Education and Research

**School of Education**

Bowen, B.

Effects of biological monitoring and results outreach on private landowner conservation management, *PLOS ONE*, PLOS

**Fish and Wildlife Conservation**

Dayer, A., & Lutter, S.

Elegance as complexity reduction in systems design, *Complexity*, Hindawi

**Industrial and Systems Engineering**

Salado, A.

Emerging developments In microbiome and microglia research: Implications for neurodevelopmental disorders, *Frontiers in Immunology*, Frontiers

**Biomedical Sciences & Pathobiology**

Allen, I. C., & Theus, M.

**Translational Biology, Medicine, and Health**

Lebovitz, Y., & Ringel-Scaia, V.

Evaluating geologic sources of arsenic in well water in Virginia (USA), *International Journal of Environmental Research and Public Health*, MDPI

**Biological Systems Engineering**

Benham, B., & Ling, E.

**Geosciences**

Schreiber, M.

**Statistics**

Zhang, L.

Evaluation of quality parameters in gluten-free bread formulated with breadfruit (*Artocarpus altilis*) flour, *Journal of Food Quality*, Hindawi

**Food Science and Technology**

Clark, E. A.

Existence theorems on solvability of constrained inclusion problems and applications, *Abstract and Applied Analysis*, Hindawi

**Math**

Asfaw, T.



Exposure to maternal obesity alters gene expression in the preimplantation ovine conceptus, *BMC Genomics*, BioMed Central

**Animal and Poultry Science**

Ealy, A., McCoski, S. R., & Vailes, M. T.

**Dairy Science**

Cockrum, R. R., & Owens, C. E.

Flavonoid kaempferol ameliorates streptozotocin-induced diabetes by suppressing hepatic glucose production, *Molecules*, MDPI

**Human Nutrition, Foods, & Exercise**

Liu, D.

Fluid shear stress impacts ovarian cancer cell viability, subcellular organization, and promotes genomic instability, *PLOS ONE*, PLOS

**Biomedical Engineering and Mechanics**

Davalos, R., & Stremler, M.

**Biological Sciences**

Cimini, D.

**Human Nutrition, Foods, & Exercise**

Schmelz, E.

**School of Biomedical Engineering and Sciences**

Hyler, A.

Further characterization of the capsule-like complex (CLC) produced by *Francisella tularensis* Subspecies *tularensis*: Protective efficacy and similarity to outer membrane vesicles, *Frontiers in Cellular and Infection Microbiology*, Frontiers

**Biomedical Sciences & Pathobiology**

Bandara, A. B., Champion, A. E., Inzana, T. J., & Mohapatra, N.

Fusobacterium genomics using MinION and Illumina sequencing enables genome completion and correction, *mSphere*, American Society for Microbiology

**Advanced Research Computing**

Settlage, R. E.

**Biochemistry**

Slade, D. J.

**Biomedical Sciences & Pathobiology**

Lahmers, K. K.



FusoPortal: An interactive repository of hybrid MinION sequenced *Fusobacterium* genomes improves gene identification and characterization, *mSphere*, American Society for Microbiology

**Biochemistry**

Lemkul, J., Sanders, B. E., & Umana, A.

Future global soil respiration rates will swell despite regional decreases in temperature sensitivity caused by rising temperature, *Earth's Future*, Wiley

**Forest Resources and Environmental Conservation**

Day, S., & Thomas, R. Q.

**School of Plant and Environmental Sciences**

Steele, M.

Growth and survival relationships of 71 tree species with nitrogen and sulfur deposition across the conterminous U.S., *PLOS One*, PLOS

**Forest Resources and Environmental Conservation**

Horn, K. J.

Identification of differentially methylated sites with weak methylation effect, *Genes*, MDPI

**Genetics, Bioinformatics, & Computational Biology**

Tran, H.

**Plant Pathology, Physiology, and Weed Science**

Barney, J., Clarke, C., Haak, D., Kim, G., Larose, H., & Westwood, J.

**School of Plant and Environmental Sciences**

Askew, S.

**Statistics**

Wu, X., & Zhu, H.

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## FEAST & COMPANY CATERING

## MUSIC PERFORMED BY

**Charlotte Cannon** is a third-year graphic design and cello performance major. Currently, she is studying with Virginia Tech professor Alan Weinstein and has had the opportunity to perform in master classes for artists such as David Schepps, Michael Haber, and Yo-Yo Ma. Charlotte has performed in several music festivals, including the Albuquerque Chamber Music Festival in New Mexico, Bay View Music Festival in Michigan, and Interharmony International Music Festival in Acqui Terme, Italy. As an aspiring performer, Charlotte has played in numerous events and orchestras. She currently performs in the New River Valley Symphony, and also works as a student teacher to provide private lessons.

**Lindsay Keck**, a third-year violin performance major, has performed in several music festivals, including Brevard Music Center, Luzerne Music Center, and Eastern Music Festival. She studies with Dr. John Irrera at Virginia Tech and has attended master classes with musicians such as Ari Streisfeld. Currently, she plays first chair in the New River Valley Symphony Orchestra at Virginia Tech and has performed in many quartets and ensembles. Lindsay is also currently a student teacher in the Virginia Tech String Project program.



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