KRISHNA KUMAR NEDUNURI, PH.D.

Professor, Department of Engineering and Technology
Director, Water Quality Lab
International Center for Water Resources Management
Central State University
https://www.centralstate.edu/profiles/krishnakumar-nedunuri

1177 Windsong Trl.

Fairborn, OH 45324
Phone: (937) 344-5076
Email: krishnakumar1.nedunuri2@gmail.com

EDUCATION

- ***Ph.D.,*** 1999, Hydraulics and Environmental Engineering, Civil Engineering School, Purdue University.
- ***M.S.,*** 1992, Chemical Engineering Science, Indian Institute of Technology, Bombay, Mumbai, India.
- ***B. Tech.***, 1990, Chemical Engineering, Andhra University, India.

PROFESSIONAL EXPERIENCE

- ***Director,*** August 2017-2021, International Center for Water Resources Management, Central State University, Wilberforce, Ohio, USA.
- ***Chairperson***, August 2011-2017, Department of Water Resources Management and Environmental Engineering program, Central State University, Wilberforce, Ohio, USA.
- ***Professor***, August 2009-Present, Department of Water Resources Management and Environmental Engineering program, Central State University, Wilberforce, Ohio, USA.
- ***Faculty affiliate***, March 2010-Current, Clean and Renewable Energy graduate program, Department of Materials and Mechanical Engineering, Wright State University, Dayton, Ohio, USA.
- ***Associate Professor***, September 2004-July 2009, Department of Water Resources Management, Central State University, Wilberforce, Ohio, USA.
- ***Assistant Professor***, September 1999-August 2004, Department of Water Resources Management, Central State University, Wilberforce, Ohio, USA.
- ***Graduate Research Faculty***, September 2002- Present, College of Education, Central State University, Wilberforce, Ohio, USA.
- ***Research Engineer***, August 1993-August 1994, Computer Aided Design Center, I.I.T., Bombay, India
- ***Senior Research Assistant***, August 1993-August 1994, Computer Aided Design Center, I.I.T., Bombay, India

HONORS AND AWARDS

NEDUNURI

- CSU Campus Finalist**, McKinley Mayes Mentoring Award,** 1890 Land Grant Universities, Association of 1890 Research Directors Inc., 2024.
- **President's Certificate of Honorable Achievement**, Extramural Research Funding, April 2022 and April 2023, CSU
- **Scientific Teaching Fellow**, Howard Hughes Medical Institute and National Science Foundation, June 2018, CSU
- **Power of Excellence Award,** Central State University, 2016
- **Power of Excellence Award**, CSU Safety and Engineering, CSU Administration, April 2014.
- **Member of the National Review Panel**, USDA Agricultural Food and Research Initiative, National Institute for Food and Agriculture, October 2014
- **STEM Fellow**, Dayton Regional STEM Center, 2010-2011.
- WRM Student Club's **Most Valuable Professor Award** in 2004.
- **STAR Faculty Award** for undergraduate research mentoring in 2001 and 2002.
- College of Business and Industry **Outstanding Faculty Award** in 2001-2002.
- Southwestern Ohio Council for Higher Education (SOCHE)'s ***Faculty Award for Excellence in Teaching*** in 2002, at the Eighth Annual Faculty Retreat, Sinclair Community College, Dayton, March 1, 2002.

- Prof. J. Delleur's **Graduate Student Research Award**, 1998, School of Civil Engineering, Purdue University.
- ***Gold Medal*** for the best academic performances during undergraduate studies in Chemical Engineering, Class of 1990**,** Andhra University, India.

NEDUNURI ADVISEES

POSTER AND ORAL PRESENTATION AWARDS

1. *Jalen Smith, Kimberly Smith, Connected and Autonomous Vehicle System Incorporating Air Quality from Traffic Congestion, 2023 Global Symposium on Mobility Innovation, Morris Lawrence Building at Washtenaw Community College, April 4-5, 2023, Ann Arbor, MI, [Poster] (First Place, **Undergraduate student Competition**)
2. *Emily Archer, M. Nagle, K. Nedunuri, K.R. Islam. 2022. Growth of Lettuce in an Aquaponics System using Tilapia and Perch Species, Ohio. ARD Research Symposium 2022: Pathways to Build Back Better. April 2 – 5, 2022, Atlanta, GA. [Oral] (**First place, Undergraduate Student Competition**)
3. *N. Zappernick, A. Shah, K. Nedunuri, K.R. Islam. 2020. *A systems perspective on nutrient concentration of aerobic biofilters in tilapia-lettuce recirculating aquaponics systems*. NABEC Annual Conference. July 28th, virtual. [Oral] (**First place, Graduate Student Competition**)
4. *Smith, B., K.V. Nedunuri, S.I. Sritharan, B. Smith, Use of the Geographic Information Systems for geospatial monitoring of sewage sludge application, Proceedings of the 8th Annual National Research Conference sponsored by the National Science Foundation HBCU-UP and the American Association for the Advancement of Science, pp A 43, October 4-7, 2007, Washington DC. (**Second place in Computer Science and Management information systems**)
5. *Meade, W., K.V. Nedunuri, C. Lowell, Phytoremediation of petroleum hydrocarbon contaminated soils using six Ohio grasses, presented at the 7th Annual National Research Conference sponsored by the National Science Foundation HBCU-UP, Baltimore, Maryland, February 9-12, 2006. (**Third place in Ecology**)

ACADEMIC RESEARCH ADVISING

SUMMARY:

Advisees	Current	Completed	Total
Master students (as co-advisor)	0	2	2
Ph.D. students (as co-advisor)	0	1	1
Master students (as committee member)	0	3	3
Ph.D. students (as committee member)	0	1	1
Research/Program associates	2	4	6
Postdocs	1	1	2
Undergraduate students	4	26	30
Total	7	38	45

Postdocs/Research Staff Supervised (12):

Current –2:

1) **Dr. Femi Fawole** (Research Scientist; August 2024 – Present, co-supervised with Dr. Craig Schulttenhofer and Dr. Brandy E. Phipps) Completed – 1:
1) **Dr. Sakil Mahmud** (Postdoc; August 2023 – July 2024; co-supervised with Dr. Ning Zhang)

Graduate Committee Member for Graduate Students (10):

Completed – 1:

1) **Natalia Zappernick** (M.S. FABE, Fall 2021)

***2) Interns** (11):*

Current -*:*

1) Hannah Wentzel (University of Toledo; Summer 2025)
2) Magali Rodriguez (University of Texas at El Paso, Summer 2025) Undergraduate
3) Danao Davis Central State University; Summer 2025)
4) Zephon McAndrew (Central State University, Summer 2025)

Completed -*8 (Only last five years; 7 Undergraduate*):

Undergraduate

1) Brandon Kiv; (University of Dayton, Summer 2024)
2) Jordan Murphy (CSU, Summer 2025)
3) Nibras Alshammari (CSU, Summer 2024)
4) Zakiyyah Jones (CSU, Summer 2023-2024)
5) Jalen Smith 9CSU, Summer 2021-2024)
6) Daniel R. Lee (CSU Summer 2019-2020)
7) Gilbert Robinson (CSU Summer 2019-2022)

TEACHING EXPERIENCE

Central State University; College of Engineering, Science, Technology and Agriculture

-ENE 4415 Water Supply; 3 Cr.; Instructor; Offered in Fall semesters.

- ENE 3305 Fluids and Hydraulics; 3 Cr.; Instructor; Offered in Fall semesters

- WRM 2200 Introduction to Water Resources Management; Instructor; Fall and Spring semesters

- ENE 3325 Groundwater Hydraulics; 3 Cr.; Instructor; Offered in Spring Semesters

- WRM 3310 Streams and Lakes; 3 Cr. Instructor; Offered in Spring Semesters

- ENE 4496 & ENE 4498 Senior Capstone Design; co-Instructor; Offered as a two-semester sequence

-ENE 4425 Solid and Hazardous Waste; Instructor; Offered in Spring Semesters

CURRENT RESEARCH FOCUS

My research program focuses on using water quality engineering in environmental and food systems. More specifically, my research utilizes water quality to 1) enhance the efficiency of aquaculture and aquaponic systems, 2) in sustainable food production, 3) to monitor and mitigate wastewater overflows using smart sensors and 4) to enhance remediation of contaminated sites using bioprocesses leading to their ecosystem restoration followed by their transformation as productive lands.

FUNDING HISTORY

SUMMARY:

	Active	Completed	Total
Number	3	20	23
Total Budget	12	6.6	19

ACTIVE/CURRENT:

1. "Development Of A Holistic Nano Photocatalytic Approach For Controlling Agriculturally-Induced Algal Blooms And associated Cyanotoxins in Lakes and Reservoirs", funded by National Institute of Food and Agriculture (NIFA) Capacity Building Grants Program, 2022 – 2025. Total amount: $599,982, PI: N. Zhang, co-PI: **K.V. Nedunuri** (CSU); R. Islam Khandakar, M.A. Rahman (OSU).

2. "Infusing Resilience and Collaborative Stewardship into Connected and Autonomous Vehicles"; fudned US DOT Center for Connected Automated Transportation Region 4 University Transportation Center Through the University of Michigan; January 2023-December 2028 Total amount: $350,000; **K.V. Nedunuri,** R. Kandiah, D. Cao, and E. Perdomo.

3. "Sustainable Aquaculture Production of High Omega-3-Containing-Fish Using a Novel Feed Additive (Hemp)", funded by National Institute of Food and Agriculture (NIFA) Sustainable Agricultural Systems (SAS), 2021 – 2026. Total amount: $10, 000, 000 PD/PI: Brandy Phipps, co-PD/co-PI: C. Schluttenhofer**,** co-PI: **K.V. Nedunuri**, T. Mark (UK), W. Rossi (KSU), B. Kowalkowski (CMN), S. D. Yun (MSU).

COMPLETED:

1. "Connected and automated vehicles incorporate air pollution from traffic congestion"; US DOT Center for Connected Automated Transportation Region 4 University Transportation Center Through the University of Michigan; $350,000; January 2017-December 2023, K.V. Nedunuri, R. Kandiah.

2. "Role of water quality in sustainable food production on urban landscapes", funded by National Institute of Food and Agriculture (NIFA) Capacity Building Grants Program, 2017 – 2020. Total amount: $595,014, PI: KV Nedunuri, co-PI: N. Zhang, and S. Laki (CSU); R. Islam Khandakar, M. Smith, T. Worley, B. Bergefurd (OSU).

3. "Ecosystem Sustainment of the Appalachian Forest Regions under Natural Gas Exploration in Ohio", United States Department of Agriculture, April 2016 – March. 2021. Total amount: $1,200,000. PD: SI Sritharan, PI: KV Nedunuri, co-PI: Xiaofang Wei, R. Kandiah, N. Zhang, and S. Krishna.

4. "Development of drought triggers for agricultural applications", funded by the United States Department of Agriculture, Award period: January 2011- June, 2014. Total amount: $4,492,797. PIs: I. Chaubey, R. S. Govindaraju, K.V. Nedunuri, D. Niyogi, and C. Song.

5. "Integrated Approach to Achieving Environmental Sustainability in Transportation: Coupling Energy Efficiency Solutions with Reductions in Environmental and Climate Foot prints"; NEXTRANS – Integrated and Sustainable Transportation Solutions: From Concepts to Deployment. Department of Transportation through Purdue University ; $200,000; January 2012-December 2016. DTRT12-G-UTC05, R. Kandiah, K.V. Nedunuri

6. “Integrated Geoscience Curriculum for Workforce Development for Oil and Gas Industry (IGC)”, funded by the National Science Foundation. Award period: July 2013- June, 2016. Total Amount: $ 390, 969. PIs: Krishna Kumar Nedunuri, N. Zhang, X. Wei. and R. Kandiah.

7. “Bench top scale column studies on the filtration of industrial wastewater using nanomaterials, ”, funded by the Ohio Board of Regents - Research Challenge Initiative through the Center of Excellence in Emerging Technologies at Central State University. Award period: 2011-2012. PI: K.V. Nedunuri. Total Amount: $ 31, 863.

8. “Curriculum Enhancements in Environmental Engineering”, funded by the National Science Foundation. Award period: September 2008- August 31, 2011. Total Amount: $ 149, 938. PIs: Krishna Kumar Nedunuri, SI Sritharan

9. “S Seleem, and M.Thrash. “Gaining Research Capability in Nanotechnology Applications for Water /Wastewater Treatment”, funded by the Ohio Board of Regents - Research Challenge Grants through an internal review process at Central State University. Award period: 2007-2009. PI: K.V. Nedunuri. Total Amount: $ 19, 000 1st year and $ 14,000 2nd year.

10. “Modeling The Effects Of Nutrient Loading From The Contributing Streams On The Growth Of Cyanobacteria In Lake Erie”, Sponsor: National Oceanic and Atmospheric Administration (NOAA) in Collaboration with Bowling Green State University (BGSU). Award period: 2007-2010. Total Amount : $ 85,000. PI: K.V. Nedunuri; Co-PI: Prof. Sritharan.

11. “Monitoring Agricultural Sewage Sludge, OH”- Phase II, funded by the USDA-Ohio Aerospace Institute. Total Amount: $50,000. Award Period: October 1- December 2009 Co-PI with Prof. Sritharan.

12. “Identifying maximum rhizosphere bioremediative potential through DNA micro arrays”. Funded by the US Army Research Laboratory’s Army Research Office. Award Period: October 1, 2006 – September 30, 2009 Krishna Kumar Nedunuri, Co-PI, Dr. Cadance Lowell (Co-PI) and Dr. Anthony Arment (PI). Total Amount: $ 440, 822.

13. “Integrated Inquiry Based Investigations on Mad River, Chemistry, Earth Science and a New Assessment Tool for Pre-Service Teachers”. Mini-grant funded by the Ohio Higher Education Network. Award Period: 2005-2006. PIs: Michael Sandy, K.V. Nedunuri, and S.K. Lunsford.

14. “Agronomic optimization of phytoremediation of polycyclic aromatic hydrocarbons”, funded by the US EPA National Center for Environmental Research – Superfund Minority Program – Hazardous Substance Research. Proposed period: October 2003 – June 2006. PIs: Krishna Kumar V. Nedunuri and co-PI Cadance Lowell. Funding amount: $ 336, 649

15. “Ascertaining Non-Point Source Pollution Loads in TMDL Determination Using Remote Sensing – A Case Study of Upper Little Miami River”, funded by the Ohio Aerospace Institute under NASA Ohio View Program. Period: September 2003 - September 2004. PIs: S.I. Sritharan and K.V. Nedunuri. Funding amount: $ 82,102.

16. “Water Quality Database Management System for the Upper Little Miami River Basins” funded by Greene County through Water and Wastewater Training Research Center at University of Dayton. Period: June 2003 – June 2004. Principal Investigators (PI): Krishna Kumar V. Nedunuri and Subramania I. Sritharan. Funding amount: $ 40, 000

17. “Quality Enhancement in Science, Mathematics, Engineering, and Technology (QUEST)”, funded by the National Science Foundation, Period: 2002-2007, Principal Investigators: Charles Showell and Subramania I.

Sritharan, Assistant Area Principal for Water Resources: Krishna Kumar V. Nedunuri. Funding amount: $ 2, 207, 377.

18. "Dewatering, Remediation, and Evaluation of Dredged Sediments" funded by Midwest Hazardous Substance Center, Purdue University through US EPA. Period: 2001-2003.Principal Investigators (PI): Paul Schwab, Lee Newman, Krishnakumar Nedunuri, and Kathy Banks (Purdue University, University of South Carolina, and Central State University). Funding amount: $75, 000

19. SUSTAIN, Phase 3 Grant as Faculty Investigator with Cadance Lowell, Samuel Okunade, Judith Johnson and Lee Esprit as a sub-contract to Wright State University to add Discovery style learning modules to science and math courses in the General Education Requirements. Summer, 2000 ($30,000 for first year; renewed for 2001-2002 academic year).

20. "Habitat structures in Kanahwa river", funded by the U.S. department of Army, Huntington District, Corps of Engineers, Huntington, West Virginia. Co-PI with Samuel Okunade (PI), Sam Laki, and S.I. Sritharan. Period: 1999-2000. Funding amount: $21,000.

PUBLICATIONS/PRESENTATIONS

(Note: *identifies graduate students/staff supervised by shah as 'major advisor')

SUMMARY:

Publication Type	Total	Advisee first
Peer-Reviewed Journal Articles (Published)	12	3
Peer-Reviewed Journal Articles (In review/revision)	1	1
Conference Proceeding Papers	23	8
Book Chapters	5	3
Invited Talks/Guest Lectures	19	-
Scholarly Presentations – Oral and Posters	52	19
Total	112	34

PEER-REVIEWED JOURNAL ARTICLES (TOTAL PUBLISHED: 12)

1. Mahmud Sakil, Zhang Ning and **Nedunuri Kumar K. V.**, Characterization of bismuth-based photocatalyst for microcystin-LR degradation and mechanism: a critical review. , 2025. R. . Soc. Open Sci.12241506

2. Natalia Zappernick, **K.V. Nedunuri**, K.R. Islam, Sami Khanal, T. Worley, S.L. Laki, Ajay Shah, Techno-economic analysis of a recirculating tilapia-lettuce aquaponics system, Journal of Cleaner Production, 365, 2022.

3. Brandy Phipps, Brian Kowalkowski, Jeremy Wescott, McFadden Brandon, Craig Schluttenhofer, **KrishnaKumar Nedunuri**, Study Protocol to Measure the Impact of a "Farm-to-Fork" Program on Food Security and Nutrition Outcomes in the Menominee Nation, Current Developments in Nutrition, 6(1), 1155, June 2022.

4. Kimberly D. Kendricks, Anthony A. Arment, K. V. Nedunuri, Cadance A. Lowell, Aligning Best Practices in Student Success and Career Preparedness: An Exploratory Study to Establish Pathways to STEM Careers for Undergraduate Minority Students, Journal of Research in Technical Careers, 3(1), 2019.

5. K. Kendricks, **K.V. Nedunuri** and AR Arment, Minority Student Perceptions of the Impact of Mentoring to Enhance Academic Performance in STEM Disciplines, Journal of STEM Education: Innovations and Research, 14 (2), 5-13, 2013.

6. K. Kendricks, **K.V. Nedunuri**, A. Arment, , Cadance Lowell, Augustus Morris, and Suzanne Seleem: 'Benjamin Banneker Scholars', International Innovation Research Journal, October 2012, (Research Media, UK, pp 95-97) ISSN 2041-4552.

7. Milz S, Ames A, Fink B, Bisesi M, Czajkowski K, Anschutz A, **Nedunuri K**, Sritharan, S, S, Vincent R, Khuder S, Health Survey of Residents Living Near Farm Fields Permitted to Receive Biosolids: Findings for Lucas and Greene Counties, Ohio, Archives of Environmental & Occupational Health, 2011.

8. **Nedunuri, K.V**., C. Lowell, W. Meade, A.P. Vonderheide and J.R. Shann, Management practices and phytoremediation of native grasses, *International Journal of Phytoremediation*, 12(2), 200-214, 2010 .

9. S.K. Lunsford, W. Slattery, and K.V. Nedunuri, Assessing Pre-Service Middle school teachers Science Education utilizing an outdoor filed experience to demonstrate chemical equilibrium concepts, Chemical Educator, 13 (4), 214-219, 2008.

10. S. K. Lunsford, **Nedunuri K.V.**, Michael Sandy, Teaching chemical equilibrium concepts using field-lab experiences in a multi-disciplinary integrated environment, *Analytical Science Digital Library*, 5(4), ASDLID 010044, 5(4), 2007.

11. Nedunuri K.V., Govindaraju Rao S., M.K. Banks, and A.P. Schwab, Role of spatial variability in the field-scale degradation of total petroleum hydrocarbons using plants, ASCE Journal of Environmental Engineering, 126(6), 483-490, June, 2000.

12. Nedunuri K.V., Govindaraju Rao S., L.E. Erickson, Modeling the role of active biomass in the fate and transport of lead in the presence of root exudates. Journal of Hazardous Substance Research, 1(9), 1-25, 1998.

13. CONFERENCE PROCEEDING PAPERS (TOTAL: 23):

1. D. Medic, M. Darr, A. Shah, S. Rahn. 2012. *Water vapor adsorption on torrefied corn stover*. Paper Number: 12-1337123. ASABE Annual International Meeting 2012, July 29-August 1, Dallas, TX.

2. **N.** Zhang, K.V. Nedunuri, R. Kandiah, X. Wei, S.I. Sritharan. 2022. Impact of hydraulic fracturing induced landscaping change on regional surface water quality in eastern Ohio. 129th ASEE Annual

Conference and Exposition. Minneapolis, MN. June 26–29, 2022.

3. Ramanitharan Kandiah, Krishna Kumar Nedunuri and Edison Perdomo. 2019. First Year Seminar Course, a Stepping-stone Course to Strengthen the Engineering Programs in a Minority Institution. 126th ASEE Annual Conference and Exposition. Paper ID #25884. Tampa, FL. June 16–19, 2019

4. Ramanitharan Kandiah, Krishna Kumar Nedunuri and Edison Perdomo. 2018. USE4WRM: Recruitment and Retention for Environmental Engineering and Water Resources Management Programs. 125th ASEE Annual Conference & Exposition. Salt Lake City, UT. June 25–28, 2018 **https://tinyurl.com/y8a4s99n**

5. Ning Zhang, Krishna Kumar Nedunuri, Ramanitharan Kandiah, and Xiaofang Wei, Unconventional Hydraulic Fracturing Impacts on Surface Water Quality in Northeast Ohio, American Water Resources Association Annual Conference, Nov., 2018.

6. Ramanitharan Kandiah, Krishna Kumar Nedunuri, and Ning Zhang 2017. Incorporating Ethics and Professionalism into Environmental Engineering Curriculum. 124th ASEE Annual Conference & Exposition. Columbus, OH. June 25–28, 2017 **http://tinyurl.com/y7ph5fyp**

7. Ramanitharan Kandiah and Krishnakumar Nedunuri. 2016. Teaching Urban Water Problems: Curriculum Design to Assessment. 2016 ASEE-NCS Conference. Mount Pleasant, MI. March 18–19, 2016. **http://tinyurl.com/gmas7ce**

8. Ning Zhang, Krishnakumar Nedunuri, Ramanitharan Kandiah, Xiaofang Wei Non-Ideal Behavior Characterization for Hydraulic Fracturing Flowback Fluids, 251st American Chemical Society National Meeting $ Exposition, San Diego, CA, March, 2016.

9. Krishnakumar Nedunuri, Ning Zhang and Ramanitharan Kandiah, Water Resources Measurements & Estimations. Fall Meeting of Ohio American Water Works Association for the Southwest Region, Wilberforce, OH. October, 2015.

10. Ramanitharan Kandiah, Krishnakumar Nedunuri, Xiaofang Wei, Ning Zhang and Michael Smith II. 2015. WII4HF: A conceptual model for computing water impact index for hydraulic fracturing. Chemistry for Natural Resources. 249th ACS National Meeting & Exposition. Denver, CO. March, 2015.

11. Nedunuri, K.V., A.P. Schwab, and R.S. Govindaraju, Modeling the transport of lead within contaminated soils amended with phosphates, to appear in the Proceedings of the 3rd International Perspective on Current & Future State of Water Resources & the Environment, January 5-7, 2010.

12. KV Nedunuri, RK Vincent, SI Sritharan, and J. Atkinson, Causal Modeling of Growth of Cyanobacteria in Lake Erie for Phycocyanin Detection from Landsat TM Data, Bridging

Ecosystems and Environmental Health across our Great Lakes, 52nd Annual Conference on Great Lakes Research, May 21, 2009, The University of Toledo, Toledo, Ohio.

13. Meade, W., K.V. Nedunuri, C.A. Lowell, and J.R. Shann, Role of microbes in the degradation of petroleum hydrocarbon, Proceedings of the NASA/OHIO Space Grant Consortium, pp. 138-140, 2007.

14. K.V. Nedunuri, Michael Sandy, James Tomlin, Charles Ryan, Todd Smith "Integrated Inquiry Investigations on the Mad River Greene county, Chemistry, Water, Earth Science, and a new evaluation tool for Pre-service teachers", The Ohio Higher Education Network (OHEN) For Science and Mathematics Education, Proceedings of the National Network for Education Renewal Conference, 58-59, 2006.

15. R. Beck, Y. Kito, B. Izeh, S. Okunade, K.V. Nedunuri, and S. Sritharan, A General purpose rock and mineral hyperspectral reflectance library for earth science education and research (300 nm to 2500 nm), 39th Geological Society of America annual meeting, session 11-1, BTH 15, 37(5), 2005.

16. E. Smith, W. Meade, S. Okunade, K.V. Nedunuri, C. Lowell, and J.R. Shann, Soil-contaminant associations at an ecologically disturbed site undergoing native grass phytoremediation, The Ohio Journal of Science, An international Multidisciplinary Journal, 105 (1), A-10, 2005.

17. B. Jones, C. Lowell, and K. V. Nedunuri, Copper uptake into roots from hydroponically grown tree seedlings, The Ohio Journal of Science, An international Multidisciplinary Journal, 102(1), A-12, 2002.

18. Nedunuri, K.V., A.P. Schwab, and R.S. Govindaraju, Enhanced mobility of lead in soil rhizosphere: Model development and validation, Building Partnerships Proceedings of the 2000 Joint Water Conference on Water Resources Engineering and Water Resources Planning and Management, Ed. Rollin H. Hotchkiss and Michael Glade, ASCE International Headquarters, 1801 Alexander Bell Drive, Reston, VA 20191.

19. Govindaraju R.S., and K.V. Nedunuri, Geostatistical Analysis of TPH Degradation in Field Soils, FED-Vol. 247, Proceedings of the ASME Fluids Engineering Division, pp. 71-78, The 1998 ASME International Mechanical Engineering Congress and Exposition, November 15-20, Anaheim, California, 1998.

20. Nedunuri K.V., R.S. Govindaraju, A.P. Schwab, and L.E. Erickson, Geochemical Modeling of Lead in the vadose zone, ASCE North American Water and Environment Congress' 96, Anaheim, California, June 23-28, 1996.

21. Nedunuri K.V., R.S. Govindaraju, and L.E. Erickson, Modeling the role of biomass in heavy metal transport in vadose zone, Proceedings of the Twenty-sixth Annual Biochemical Engineering Symposium, Ed. L.E. Erickson, Department of Chemical Engineering, Kansas State University, Manhattan, Kansas, 66506, September 21, 1996.

22. J. Anmala, Nedunuri K.V., R.S. Govindaraju, J.K. Koelliker, Neural networks for prediction of watershed run off, Proceedings of the ASCE Watershed Management Planning for the 21st century, San Antonio, Texas, 348-357, August 14-16, 1995.

23. Nedunuri, K.V., Govindaraju Rao S., L.E. Erickson and A.P. Schwab, "Modeling the role of Heavy Metal movement in Vegetated, Unsaturated soils with Emphasis on Geochemistry", Proceedings of the 10th Annual conference on Hazardous Waste Research, May 23-24, 1995, **http://www.engg.ksu.edu/hsrc/proceedings.html**.

24. **BOOKS, BOOK CHAPTERS, TECHNICAL NOTES** (TOTAL: 5):

1. K.V. Nedunuri, Prospects in transforming the future wastewater treatment plants into resource recovery facilities, Advanced Materials and technologies for Wastewater Treatment, In Emerging Materials and Technologies, Ed. U. Sreedevi and A. Chaudhary, CRC Press, Taylor and Francis, 2021.

2. Samuel L. Laki, **Krishnakumar V. Nedunuri** and Ramanitharan Kandiah. 2014. Introduction to Water Resources. Kendall Hunt. Second Edition. ISBN: 978-1-4652-5819-9. 206 Pages.

3. K.V. Nedunuri, Preliminary Water Quality Assessment in Riviera Grise near Port-Au-Prince, Haiti, YSI Application note, August 10, 2012 (Source: http://www.ysi.com/media/pdfs/A605-Water-Quality-Assessment-in-Haiti.pdf).

4. Czajkowski, K.P, A. Ames, B. Alam, S. Milz, R. Vincent, W. McNulty, T. W. Ault, M. Bisesi, B. Fink, S. Khuder, T. Benko, J. Coss, D. Czajkowski, S. Sritharan, **K. Nedunuri**, S. Nikolov, J. Witter, and A. Spongberg, "Application of GIS in Evaluating the Potential Impacts of Land Application of Biosolids on Human Health", in Geospatial Technologies in Environmental Management, Edited volume of the Geotechnologies and the Environment series. Ed. Nancy Pullen and Mark Patterson. Springer, January 2011 (pp 165-186)

5. Basista, B., Herrelko, J., **Nedunuri, K.**, Sandy, M., Lowell, C., Okunade, S., Klopfenstein, P., Roath, K., Aldridge, M., Ross, A., Thompson, C., Mathews, S., Tomlin, J., Rusch, T. Krakowski, R., Esprit, L., Johnson,J., Aimiuwu, S. (2004) "Miami Valley Collaborative for the Improvement of Science and Mathematics Education". In S. Wagner & S. P. Meiring (Eds.), The Story of SUSTAIN: Models of Reform in Mathematics and Science Teacher Education, Columbus, OH: Ohio Resource Center for Mathematics, Science, and Reading (pp. 159-180).

6. INVITED TALKS/GUEST LECTURES (TOTAL: 19)**:**

1. K.V. Nedunuri and Ajay Shah, CSU-OSU collaborative systems engineering research, Panel Discussion on Building collaborations between Central State University and Ohio State University around land and water systems, Moderator, Jay Martin, 2022 Interdisciplinary Research Fall Forum, 320 Pomerene Hall, Ohio State University, November 7-9, 2022.
2. K.V. Nedunuri, Salient findings and impacts from the project on Fragmentation of Forested watersheds experiencing significant Oil and Gas (O&G) Exploration, CSU Extension All Staff -ARDP Research Meeting , November 2, 2022.
3. K.V. Nedunuri, "Managing Aquaponics Effectively by Monitoring the Quality of Recirculating Water", 2022 Ohio Aquaculture Association Conference, January 28-29, 2022.

4. K.V. Nedunuri, "HBCU Leadership Panel on Developing Meaningful HBCU – UTC Partnerships for the Future.", The U.S. Department of Transportation Center for Connected Multimodal Mobility's (C2M2), 5th Annual Fall Conference, Clemson, South Carolina (In-person/Virtual), October 15, 2021.
5. K.V. Nedunuri, Investigations on The role the Water Quality in the Sustainability of Aquatic Ecosystems at Multiple Scales, College of Engineering, Science, Technology, and Agriculture Research Colloquium, Joshua Center for Education and Natural Science, Wilberforce, OH, June 19, 2019.
6. K.V. Nedunuri, Soil and Water Management in Agriculture: Addressing Salinity and Sodicity Concerns to Sustain Crop Productivity, VRTI, India Farmer to Farmer Program through FAMU, Gujarat, India, March 21, 2018.
7. KV Nedunuri, S. Bashir, Water Quality's role in sustainability on small and urban farms, Workshop Session IV, February 9-11, 2017, 38th Annual Ohio Ecological Food and Farm Association Conference, Dayton, Ohio
8. K.V. Nedunuri, Design, Construction, and Water Conservation, Urban and Small Farmers conference, Nature, Nurture, and Nutrition, December 12, 2015, Columbus, Ohio.
9. K.V. Nedunuri, Blending Lab work and Operations, American Waterworks Association, Ohio section, Southwest District Fall Meeting, October 16, 2015.
10. K.V. Nedunuri, Utilizing USDA programs to improve stream quality – organic farming, Southwest Ohio Farmers market workshop, International Center for Water Resources Management, Central State University, February 17, 2011.
11. K.V. Nedunuri, Environment and Health, Honors Colloquium, Wesley Hall, Central State University, November 17, 2010.
12. K.V. Nedunuri, Role of chemical engineers in environmental remediation and ecological restoration, Andhra University, Department of Chemical Engineering, August 14, 2007.
13. K.V. Nedunuri, Understanding Chemical Equilibrium Using Field Experiences: From Pedagogy to Applied Research, Department of Chemistry, Wright State University, March 9, 2007.
14. K.V. Nedunuri, Agronomic Optimization of Phytoremediation of Petroleum Hydrocarbons, The US EPA Office of Solid Waste and Emergency Response, Washington, DC January 19, 2006.
15. K.V. Nedunuri, Fate and transport of lead in mining areas under the influence of vegetation, Golden Jubilee Seminar Hall, Department of Civil Engineering, Indian Institute of Science, July 8, 2002, Bangalore, India.
16. K.V. Nedunuri, Fate and transport of lead in soil columns, Department of Civil and Environmental Engineering, University of Cincinnati, 2000, April 14, Cincinnati, Ohio.
17. K.V. Nedunuri, Spatial variability in the degradation of total petroleum hydrocarbons using phytoremediation: A field-study – a colloquium talk in the Department of Geology at Wright State University on May 25, 2000.
18. K.V. Nedunuri, Fate and transport of lead in the presence of organic acids, May 19, 1999, Central State University, Wilberforce, Ohio, U.S.A.
19. K.V. Nedunuri and R.S. Govindaraju, Role of spatial variability in assessing field-scale phytoremediation strategies, European Geophysical Meeting, 1998, April 22-25, Nice, France.

20. SCHOLARLY PRESENTATIONS (TOTAL: 27):

1. Rahman, A. R., Guan, Z. R., Islam, K. R., Zhang, N., & Nedunuri, K. (2024) Harnessing Solar Photocatalytic Composites for Effective Removal of Microcystin-LR in Water [Abstract]. ASA, CSSA, SSSA International Annual Meeting, San Antonio, TX. https://scisoc.confex.com/scisoc/2024am/meetingapp.cgi/Paper/157406

2. K.V. Nedunuri, R. Kandiah, Xiaofang Wei, and N. Zhang, Assessing the Hydrological Impacts from the Fragmentation of Forested watersheds experiencing significant Oil and Gas (O&G) Exploration, World Environmental and Water Resources Congress, ASCE, EWRI, June 7-11, 2021.

3. Ning Zhang, Krishna Kumar Nedunuri, Ramanitharan Kandiah, Xiaofang Wei, and Ashia Burns. 2016. Non-Ideal Behavior Characterization for Hydraulic Fracturing Flowback Fluids, 251st ACS National Meeting & Exposition. San Diego, CA. May 14, 2016.

4. R. Kandiah, K.V. Nedunuri, Xiaofang Wei, Ning Zhang and Michael Smith II. WII4HF: A conceptual model for computing water impact index for hydraulic fracturing. Chemistry for Natural Resources. 249th ACS National Meeting & Exposition. Denver, CO. March 22-26, 2015.

5. KV Nedunuri, N. Zhang, R. Kandiah, and X. Wei, Integrated Geoscience Curriculum for Workforce Development for Oil and Gas Industry (IGC), NSF HBCU-UP/CREST PI meeting, February 18-19, Washington D.C., 2015.

6. K.V. Nedunuri, Michael Sandy, James Tomlin, Charles Ryan, Todd Smith "Integrated Inquiry Investigations on the Mad River Greene county, Chemistry, Water, Earth Science, and a new evaluation tool for Pre-service teachers", The Ohio Higher Education Network (OHEN) For Science and Mathematics Education, National Network for Education Renewal Conference, October 18-21, 2006, Cincinnati, Ohio.

7. K.V. Nedunuri, Subramania I. Sritharan, M. Smart, D.R. Watts, Correlation of land use with nutrient loading in the Upper Little Miami River Watershed using remote sensing, 2004 Annual Scientific Symposium and 20th Anniversary, Ohio River basin consortium for research and education, Walter Hall, Ohio University, Athens, Ohio, August 18-20, 2004.

8. K.V. Nedunuri, S.I. Sritharan, , D.R.Watts, D. Robertson, , M.E. Smart S. Saintalbyhyeme, Y. Kito, Water Quality Database Management System for the Upper Little Miami River (ULMR) and Great Miami River Basins , Regional Water and Wastewater Training and Research Center, Phase 1 Research Seminar, US EPA NRMRL Labs, Cincinnati, June 8, 2004

9. K.W. Euliss, Schwab, A.P., Lee Newman, K.V. Nedunuri, M.K. Banks , Dewatering, remediation, and evaluation of dredged sediments, Soil Sci. Soc. Am. Annual Meeting, Denver, Colarado, November 306, 2003.

10. A.P. Schwab, Lee Newman, K.V. Nedunuri, and M.K. Banks, Dewatering and remediation of dredged sediments, 2003 Midwest Hazardous Substance Research Meeting (Purdue University and US EPA), May 13, 2003, Embassy Suites Plaza Hotel, Kansas City, Missouri.

11. Schwab, A.P., M.K. Banks, K.V. Nedunuri, K.W. Euliss, Dewatering, remediation, and evaluation of dredged sediments, ASI Phytoremediation of heavy metals advanced learning institute, August 2002.

12. Niya Curry, K.V. Nedunuri, and S.I. Sritharan, Modeling rapid dewatering of dredged sediments, 2003 Midwest Hazardous Substance Research Meeting (Purdue University and US EPA), May 13, 2003, Embassy Suites Plaza Hotel, Kansas City, Missouri (Poster presentation).

13. K.V. Nedunuri, H. Henry, and J.R. Shann, "Effect of Spatial Heterogeneity on Field scale Assessment of Sustainable Phytoremediation using Natural Revegetation", May 14-15, 2002, US EPA Mid-west Hazardous Substance Research Center Kick-off meeting, Purdue University, West Lafayette, IN 47906

14. K.V. Nedunuri, C. A. Lowell, Inquiry Methods in Water Resources, State-wide SUSTAIN meeting, November 28, 2001, University Plaza Hotel & Conference Center, Columbus, OH 43210.

15. A.P Schwab, M.K. Banks, K.V. Nedunuri, S.I. Sritharan, K.W. Euliss, and V.S. Mankad, Dewatering, Remediation, and Evaluation of Dredged Sediments, May 14-15, 2002, US EPA Mid-west Hazardous Substance Research Center Kick-off meeting, Purdue University, West Lafayette, IN 47906

16. K.V. Nedunuri, A.P. Schwab, and R.S. Govindaraju, Enhanced mobility of lead in soil rhizosphere: Model development and validation, 2000 Joint Water Conference on Water Resources Engineering and Water Resources Planning and Management, July 30-August 2, 2000, Minneapolis, Minnesota.

17. K. V. Nedunuri, R S Govindaraju, L E Erickson, Modeling of Heavy Metal Movement in the Soil Rhizosphere, 1997 Fall Meeting, American Geophysical Union, December 8-12, 1997, San Francisco, California.

18. K.V. Nedunuri, Govindaraju Rao S., L.E. Erickson, Modeling and simulation of Heavy Metal Transport in Rhizosphere soil: Influence of active biomass, 12 th Annual Conference on Hazardous Waste Research, May 19-22,1997, Kansas Airport Hilton, Kansas City , Missouri.

19. K.V. Nedunuri, Role of vegetation in the remediation of heavy metal contaminated soils, Enhancing the Science and Technology Infrastructure in Kansas Through EPSCoR, A Statewide EPSCoR Conference, Kansas Expocentre 17 th & Topeka Blvd Topeka, Kansas February 20-21, 1997.

20. K.V. Nedunuri, N. Muralidharan, Govindaraju Rao S., L.E. Erickson, A.P. Schwab, Modeling and Simulation of Heavy Metal Transport in soils, Third Annual Statewide EPSCoR Conference Linkages, Partnerships and Strategic Technologies/Manor Conference Center, Kansas Expocentre, Topeka, Kansas February 1-2, 1996.

21. K.V. Nedunuri, and Rao S. Govindaraju, Modeling of Heavy Metal Movement in the soil vadoze zone: Influence of organic acids, 1996 Fall Meeting, American Geophysical Union, December 15-19, 1996, San Francisco, California.

22. K.V. Nedunuri, Govindaraju Rao S., L.E. Erickson, Modeling the role of microbial biomass in heavy metal transport in vadose zone, HSRC WERC Joint conference on the Environment, May 21-23, 1996, Holiday Inn Pyramid, Albuquerque, New Mexico.

23. K.V. Nedunuri, Govindaraju Rao S., L.E. Erickson and A.P. Schwab, Modeling the role of Heavy Metal movement in Vegetated, Unsaturated soils with Emphasis on Geochemistry, Hazardous Waste Research conference, May 23-24, 1995, K-State Union, Kansas State University, Manhattan, Kansas.

24. Anmala, J., Nedunuri, K.V., Govindaraju Rao S., and Koelliker J.K., Prediction of Watershed Runoff Using Artificial Neural Networks, 1995 First ASCE International Conference on Water Resources Engineering, San Antonio, Texas.

25. Anmala, J., Nedunuri, K.V., Govindaraju Rao S., and Koelliker J.K., Rainfall/Runoff Modeling Using Artificial Neural Networks, 1995 12th Kansas Water Conference, Manhattan, Kansas.

26. Krishna Kumar V. Nedunuri, and R.K. Malik, Process Simulation of Ammonia Plants, Conference on Process Simulation of plants, 26-27, February 1993, Indian Institute of Technology, Hauz Khaz, New Delhi, India.

27. Krishna Kumar V. Nedunuri, Minimum Reflux Ratio for Multicomponent Distillation, InChES' 89, Inter-University Chemical Engineering Paper Presentation Seminar, Department of Technology, Annamalai University, Annamalai nagar, 24-26 February, 1989.

SCHOLARLY PRESENTATIONS WITH STUDENTS (MY STUDENTS ARE FIRST AUTHORS) (TOTAL: 26):

1.
2. N. Alshammari, K. Schrack, K.V. Nedunuri, A. Folck, M. Amante, Design and Implementation of an Augmented Fruit and Vegetable Production System To An Existing Aquaponics System Growing Leafy

Greens, Poster 793, Renewable Energy, Natural Resources and Environment, ARD 21st Biennial Research Symposium, Nashville, TN, pp 428, April 6–9, 2024.

3. K. Schrack, K.V. Nedunuri, A. Folck, M. Amante, Demonstration of A Novel Vegetable Production System Augmented To An Existing Aquaponics System Growing Leafy Greens, Research and Scholarly Activities Day, Central State University, Wilberforce, Ohio, April 21, 2023

4. N. Alshammari, C. Schluttenhofer, B.E. Phipps, K.V. Nedunuri, W. Rossi, Design Of A Manifold For A Hydraulic Press To Extract Oil From Hempseeds That Will Serve As A Novel Feed Additive For Rainbow Trout In A Sustainable Aquaculture Production System, Research and Scholarly Activities Day, Central State University, Wilberforce, Ohio, April 21, 2023

5. BEST STUDENT UNDERGRADUATE RESEARCH POSTER AWARD: Jalen Smith, Kimberly Smith, Connected and Autonomous Vehicle System Incorporating Air Quality from Traffic Congestion, 2023 Global Symposium on Mobility Innovation, Morris Lawrence Building at Washtenaw Community College in Ann Arbor, MI, April 4-5, 2023 (served as a co-mentor with Dr. Kandiah)

6. N. Alshammari, K.V. Nedunuri, W. Rossi, B.E. Phipps, and C. Schluttenhofer, Hydraulic Design Of A Sustainable Aquaculture Production System Of High Ome-Ga-3-Containing-Fish Using A Novel Feed Additive (Hemp), Annual Research Review and Scholarly Presentation Day, Central State University, Wilberforce, Ohio, October 19, 2022

7. Pattadar, S., Rahman, M., Gao, G., Nedunuri, K., Islam, K. R., & Slater, B. (2021) Bioactive Phenolics Profiling of Aquaponic Lettuce [only Abstract]. ASA, CSSA, SSSA International Annual Meeting, Salt Lake City, UT.

8. Gilbert Robinson, R. Kandiah, K. Nedunuri, X. Wei, N. Zhang, and E. Higgins. 2022. Estimating the Hydrological Impacts of Oil and Gas Activities in Irish Creek Watershed, Ohio. ARD Research Symposium 2022: Pathways to Build Back Better. Atlanta, GA. April 2 – 5, 2022 (Abstract Accepted Oral)

9. BEST STUDENT RESEARCH PAPER AWARD Emily Archer, M. Nagle, K. Nedunuri, K.R. Islam. 2022. Growth of Lettuce in an Aquaponics System using Tilapia and Perch Species, Ohio. ARD Research Symposium 2022: Pathways to Build Back Better. Atlanta, GA. April 2 – 5, 2022.

10. Gilbert Robinson. 2021. Estimating the Hydrological Impacts of Oil and Gas Activities in Leesville Lake Watershed, Ohio. Technological Advances in Science, Medicine and Engineering Conference (TASME 2021). Virtual. July 3-4, 2021 (Oral)

11. Emily Archer. 2021. Aquaponics: The Water-Based Eco-Alternative: Growth of Lettuce in an Aquaponics System using Tilapia Fish. Technological Advances in Science, Medicine and Engineering Conference (TASME 2021). Virtual. July 3-4, 2021 (Oral)

12. OUTSTANDING STUDENT RESEARCH PAPER AWARD: N. Zappernick, K. V. Nedunuri, K.R. Islam, A. Shah. 2020. A systems perceptive in optimizing nutrient transformations in aerobic biofilters in tilapia-lettuce recirculating aquaponics systems. NABEC Annual Conference. July 28, 2020.

13. Maxwell, J., Pattadar, S.N., Smith, M., Bergefurd, B., K.V. Nedunuri (PI), Slater, B., and K.R. Islam (PI), Aquaponic System Impacts On Lettuce Yield And Quality, Aquaculture Engineering Society - AES (Session #: 39), World Aquaculture Society America Conference 2020, Honolulu, Hawaii, USA, February 9-12, 2020.

14. Alisha Helm, K.V. Nedunuri, N. Zhang, R. Kandiah, X. Wei, Impacts of Hydraulic Fracturing on Forested and Agricultural Watersheds, ARD Research Symposium 2019, Jacksonville, FL, March 30 – April 3, 2019.

15. Ashia Burns, Ning Zhang, Krishna Kumar Nedunuri, Hydraulic Fracturing Flow back Fluids Analysis and Treatment, ARD Research Symposium 2017, Atlanta, GA, April 1 – 4, 2017.

16. Ashia Burns, Ning Zhang, Krishna Kumar Nedunuri, Removing radionuclides in flow back and produced water from hydraulic fracturing with the use of calcium and other elements, 2016 American Chemical Society Conference in San Diego, California

17. Ashia Burns, N. Bogie, K.V. Nedunuri, Hydraulic Lift in the Sahel, 85th Annual National Technical Association National Conference, Student Symposium, sponsored by the NSF, September 18-20, 2013, Central State University, Wilberforce, Ohio.

18. K.V. Nedunuri and Bryan B. Smith, Bench-top scale studies on the filtration of industrial wastewater using nanoparticles The University Clean Energy Alliance of Ohio annual conference on BUILDING AND SUSTAINING PARTNERSHIPS, April 26 & 27, 2011, Renaissance Columbus Downtown Hotel, Columbus, Ohio.

19. Price, W.A., A. Kolawale, C.A. Lowell, K.V. Nedunuri, D. Cipolini, and A. Arment, GC/MS analysis of bioremediation and phytoremediation of soil contaminated with PAH, Annual Biomedical Research Conference for Minority Students, 2007, Austin Convention Center and Hilton Hotel in Austin, Texas, November 7-10.

20. BEST STUDENT PAPER: Smith, B., K.V. Nedunuri, S.I. Sritharan, B. Smith, Use of the Geographic Information Systems for geospatial monitoring of sewage sludge application, Proceedings of the 8th Annual National Research Conference sponsored by the National Science Foundation HBCU-UP and the American Association for the Advancement of Science, pp A 43, Washington DC, October 4-7, 2007. (2nd place in Computer science and Management information systems)

21. Meade, W., K. V. Nedunuri, C. Lowell, and S. Mueller, Role of Microbes in Degradation of Petroleum Hydrocarbon Contaminated Soils Using Native grasses, Proceedings of the STARS (Student Achievement in Research and Scholarship), a statewide student conference for research and scholarship sponsored by the Ohio Board of Regents, Bowling Green State University, Bowling Green, Ohio, March 9-11, 2007.

22. L. Harris, C. Lowell, K.V. Nedunuri and J. Jackson, Environmental Friendly Control of Deep-Rooting Noxious Weeds, Presented at the 7th Annual National Research Conference sponsored by the National Science Foundation HBCU-UP, Baltimore, Maryland, February 9-12, 2006.

23. Meade, W., K.V. Nedunuri, C. Lowell, Phytoremediation of petroleum hydrocarbon contaminated soils using six Ohio grasses, Presented at the 7th Annual National Research Conference sponsored by the National Science Foundation HBCU-UP, Baltimore, Maryland, February 9-12, 2006. (Best student paper award – 3rd place in Ecology)

24. Meade, W., C. Williams, E. Smith, K.V. Nedunuri, and J.R. Shann, Degradation of Polycyclic Aromatic Hydrocarbons from a petroleum sludge using native grasses, Ohio Science and Engineering Alliance Conference, University of Akron, Akron, August 10-11, 2005.

25. BEST STUDENT PAPER: Meade, W., K.V. Nedunuri, and C. Lowell, Time optimization of Soxhlet Extraction of PAH Contaminated Soil undergoing Phytoremediation, Presented at the National Research

Conference "Science on the Bayou", sponsored by the National Science Foundation HBCU-UP, New Orleans, LA, February 10-13, 2005. (3rd place in Ecology)

26. Meade, W., K. V. Nedunuri, C. Lowell, and A. Arment, The Extraction of Polycyclic Aromatic Hydrocarbon (PAHs) Residues using Soxhlet Extraction, Proceedings of the STARS (Student Achievement in Research and Scholarship), a statewide student conference for research and scholarship, Ohio University, Athens, Ohio, March 5-7, 2004.

27. Charity, B., Lowell, C., and K.V. Nedunuri, Agronomic Optimization for Phytoremediation of Polycyclic Aromatic Hydrocarbons, Proceedings of the STARS (Student Achievement in Research and Scholarship), a statewide student conference for research and scholarship, Ohio University, Athens, Ohio, March 5-7, 2004.

28. K.V. Nedunuri, H. Henry, and J.R. Shann (2002). Effect of Spatial Heterogeneity on Field scale Assessment of Sustainable Phytoremediation of PAH and metal contaminated sites using Natural Revegetation. May 14-15, 2002, US EPA Mid-west Hazardous Substance Research Center Kick-off meeting, Purdue University, West Lafayette, IN 47906.

29. D. Minor, C. Lowell, and K.V. Nedunuri, Micronutrient Release from Rock Dust, Proceedings of the STARS statewide conference on undergraduate research, March 7-9, 2003, Miami University, Ohio.

PROFESSIONAL ACTIVITIES

SELECTED SERVICES AT CSU

- Chair of the College Academic Program Review Committee (2024-2025)
- Member of the University Senate Planning and Budget Committee (2023-2025)
- Member of the University Senate Planning and Budget Committee (2022-2025)
- Member of the University Senate Promotion and Tenure Committee (2020-2022; 2010-2012)
- Member of the University Senate Ad hoc Committee on Workload Policy (2020-2021)
- Led the Water Resources Department in receiving the ABET accreditation of its environmental engineering program for the first time (2016-2017).
- Member of the University Senate Planning and Budget Committee (2014-2017)
- Member of the Land Grant Team (5 members) that contributed to the establishment and initial academic and research activities associated with the 1890 Land Grant Status for Central State University. Lead faculty from the Department of Water Resources Management. (2012-2014)
- Member of the University Human Subjects Committee (2001-2008)
- Chair of the Technology Enhancement Committee, College of Business and Industry (2002-Current)
- Member of the Black Executive Exchange Program, College of Business and Industry (2000-2008)
- Member of the Senate Committee on Promotion and Tenure (2005-2007)
- Member of the Senate Executive Committee (2006-2008)
- Treasurer of the American Association of University Professors (2003-2006)
- Member of the Senate Committee on Research and Library Information Center (2003-2004)
- Co-chair of the Technology Enhancement Committee, College of Business and Industry (2001-2002)
- Member of the Graduate Advisory Council, College of Education (2002-2003)
- Member of the University Senate Technology Committee (2002-2003)
- Member of the Senate Committee on University Planning and Infrastructure (2001-2004)
- Member of the Department of Computer Science Program Review (2001)

PROFESSIONAL SOCIETY SERVICE

- USDA NIFA AFRI
  - Reviewer for the National review panel: Agroecosystem Management proposals (2014)
- Environmental Science and Engineering Professors
  - Member (current)
- American Chemical Society
  - Member (past)
- American Society of Civil Engineers
  - Member (current)
  - Reviewer of manuscripts (past)
- American Association of University Professors
  - Member (current)
- American Water Resources Association
  - Member (past)
- USDA NRCS Ohio
  - Member of the State Technical Committee
  - Reviewer (2013) Ohio CIG grants
- Air & Waste Management Association
  - Member (past)
- American Institute of Chemical Engineers
  - Member (past)
- European Geophysical Society
  - Member (past)
- American Geophysical Union
  - Member (past)

- **JOURNAL MANUSCRIPT REVIEWER**:
  - PLOS One (current)
  - Journal of Environmental Management (current)
  - Soil and Sediment Contamination (past)
  - ASCE Journal of Irrigation and Drainage Engineering (past)
  - ASCE Journal of Hydraulic Engineering (past)
  - Science of the Total Environment (past)