(Current as 11/11/2024)

Felice Gianluca Sperone, PhD

Assistant Professor of Teaching

Department of Environmental Science and Geology | Wayne State University | Detroit MI

Email: fgsperone@wayne.edu

EDUCATION

PhD in Civil Engineering
2021 to 2024 - Wayne State University – Detroit, Mi
"Equity and resilience of aging drinking water distribution systems"

MA in Environmental and Urban Geography
2008 to 2010 - University of Illinois at Chicago - Chicago, IL

One year of Graduate Study in Information Technology in Environmental Evaluations
2004 to 2005 - University of Calabria - Rende, Calabria (Italy)

Two years of Graduated Studies (Certification Program) in Secondary Education and Teaching of Natural Sciences
2003 to 2005 - University of Calabria - Rende, Calabria (Italy)

BS and MS in Geology
1997 to 2003 - University of Calabria - Rende, Calabria (Italy)
"Quantitative geomorphological analyses of the watershed of the Stilaro river"

WORK EXPERIENCE

Lecturer (forthcoming)
December 2024 – August 2025 - Department of Earth, Environmental & Planetary Sciences, Northwestern University, - Evanston, IL

Assistant Professor of Teaching
January 2022 to present - Department of Environmental Science & Geology, Wayne State University - Detroit, MI

Lecturer
January 2019 to December 2021 - Department of Geology, Wayne State University - Detroit, MI.

Part-time Faculty/Adjunct Professor
January 2012 to December 2018 - Department of Geology, Wayne State University - Detroit, MI

Developing GIS geostatistical stochastic models to simulate and predict potential pollutant contaminations in aquifers. Creating spatial analysis procedures and producing mapping. Provide expert advice and research help and support for various departments at Wayne State University (Geology, Biology, Institute of Environmental Health Sciences, Dept. of Civil and Environmental Engineering).

Pastoral Planning and Data Management Coordinator
April 2017 to December 2018 - Archdiocese of Detroit - Detroit, MI

Analyze and interpret survey and demographic data for strategic planning using a variety of techniques, ranging from simple data aggregation via statistical analysis to complex data mining. Develop clear, standardized formats to deliver data for Parish, School, Vicariate and Regional profiles, and for parish and school transitions. Design dashboards and other reports for parishes, schools and departments of the Archdiocese of Detroit. Serve as both a technology liaison and a business analyst to identify reporting and analytical requirements and propose short and long-term solutions to deliver on these needs with the approval of the Technology Director. Work with the Data Governance Team to gather requirements for a central data repository (database); assist in the definition of an integrated data model; develop and maintain processes to improve and ensure data quality and access to self-service reporting.

Geospatial Data Analyst
May 2014 to March 2017 - Bartech (contractor for Ford Motor Company - Global Data Insight & Analytics (GDI&A) - Dearborn, MI)

Performing GIS analysis and customized workflow tools and models to turn dry analysis into exciting stories to support the business and to communicate with diverse teams globally distributed. Working with Big Data in Hadoop Environment for the Connected Vehicles and Mobility Groups to collaborate with product teams and to develop and support internal data platform and ongoing analyses. Applying advanced GIS analytics techniques to on-road vehicle data and generating insights from joining vehicle data with other sources such as environmental parameters. Create high level visualizations and maps of disparate data to find patterns and tell engaging stories. Experienced in researching, contacting, and maintaining business relations with Vendors to create a vendor landscape database for internal research projects and analyses support.

GIS & Remote Sensing Data Analyst
March 2009 to December 2011 - Department of Ecology and Evolution, University of Chicago - Chicago, IL

Performing GIS modelling and Remote Sensing analysis to create a database of ecological and evolutionary forces that shape genetic variation in the plant Arabidopsis thaliana. Exploring geographic patterns of genetic variation and how they are shaped by abiotic and biotic variables; compile environmental variables from satellite images and test for consistency in genetic and environmental patterning. Creating, initializing, and maintaining ArcGIS Server 9.2 web projects through the intranet and internet as well as maintaining and updating the Bergelson Lab Webpage.

GIS Analyst
January 2008 to March 2009 - Village of Arlington Heights - Village of Arlington Heights, IL

Working on a wide variety of complex Village-wide GIS projects for all major departments in the Village (Planning, Building and Zoning, Public Works, Engineering, Police, Fire, Health, and others). Performing analysis, creation, and maintenance of: GIS databases, new data, applications and studies (e.g. transportation, water/sewer, crime analysis, zoning and land use, modelling and prediction maps). Initializing ArcGis Server 9.1 projects through the intranet. A subset of developed projects included: Historical Boundaries: 1800s-2008, Elementary, Middle and High School District Boundaries, School District 25, Registered Sex Offenders.

GIS Analyst/Volunteer
September 2006 to December 2011 - Department of Anthropology, GIS lab, The Field Museum - Chicago, IL

Perform GIS modelling and analysis of ethno-botanical and hydrological data. Construction and updating of new and existing vegetation maps using spatial analysis queries and geo-referencing new images. Creating a geodatabase from new data and images. Performing GIS analyses integrated with Geophysical methods (Ground Penetration Radar (GPR) and Magnetometry) to find the buried foundations and the original location of the Seven Miles House in the North side of Chicago.

Certified High School Science teacher.
September 2004 to June 2006 - Matera (Basilicata - Southern Italy)

Teaching Science subjects in various High Schools in the Matera public school district.

Professional Geologist
March 2003 to August 2006 - Geotechnical & Environmental Services – Fuscaldo Marina (Italy)

Use of the GIS, and other methods, for the reconstruction of the hydrology and the surficial stratigraphy, characterization and identification of landslides and surficial materials

WAYNE STATE UNIVERSITY ACADEMIC SERVICE:

College/Department Committee
2022 to present

- Helping in the organization of the Professional Development Seminar Series - Environmental Science and Geology Department.

2020 to 2021

- Wayne State University, General Education Program Assessment member.

2019

- Geology Department ASO position search committee.
- Environmental Science - Department name working group.
- Environmental Science - MS Graduate Degree working group.

Professional Consultation
Jan 6, 2019 – May 3, 2019

- Consulting once a week for the Archdiocese of Detroit. Performing Data Management, Analyses and Interactive Dashboard for various applications including Strategic Planning and reports.

WSU Scholarly Service
August 23, 2023

- Data Management and Analysis Core (DMAC) Workshop Organizer and chair, as part of the 2023 Center for Leadership in Environmental Awareness & Research (CLEAR) training workshop series - Detroit, MI

May 19 - 21, 2021

- Conference Co-Chair - EDRA52 (Environmental Design Research Association) - Detroit, MI
- Proceedings Co-Editor - EDRA52 (Environmental Design Research Association) - Detroit, MI
- Conference Peer Reviewer - EDRA52 (Environmental Design Research Association) - Detroit, MI

Community Educational Outreach

June 2023

- Invited as guest speaker at the Green Door initiatives (GDI) - Code Green Summer Youth Program – Detroit, MI

May 2018

- Organized a field trip to visit the Wayne State University Mineral Museum and Planetarium for the 4th graders at Lewis Maire Elementary School, Grosse Pointe, MI.

December 2015 to 2021

- Organized a lecture about maps and a small lab activity on how to make maps for the 2nd graders at Lewis Maire Elementary School, Grosse Pointe, MI.

TEACHING EXPERIENCE:

Department of Environmental Science and Geology, Wayne State University - Detroit, MI
January 2012 to present.

Graduate *Courses taught. (Until Fall 2021, all ESG courses were formally known as GEL)*

Course	Instructional Method	Fall Term	Winter Term
ESG 5000 Geological Site Assessment	Traditional Face to Face	2019	2012
ESG 5000 Geological Site Assessment	Synchronous Online	2020	
ESG 5000 Geological Site Assessment	Asynchronous Online No Schedule	2022, 2023,2024	
ESG 5650 (Formerly GEL5600) Applied Geologic Mapping	Traditional Face to Face	2012, 2013	2015, 2016, 2017, 2018, 2019, 2022, 2023, 2024
ESG 5650 (Formerly GEL5600 Applied Geologic Mapping	Synchronous Online		2020, 2021
ESG 6160 Applied Remote Sensing	Asynchronous Online No Schedule	2021, 2022, 2023,2024	

ESG 6170 Spatial Statistics and Analyses for Environmental Applications	Asynchronous Online No Schedule		2022, 2023, 2024
GEL 7990 Directed Study	Traditional Face to Face	2019	

Undergraduate *Courses taught. (Until Fall 2021, all ESG courses were formally known as GEL)*

*(ESG 1010 is a General Education class; *indicates multiple sections of the same class)*

Course	Instructional Method	Fall Term	Winter Term	Spring/Summer Term
ESG 1010 Geology: The Science of the Earth	Traditional Face to Face	2016, 2017, 2019, 2021, 2022	2013, 2014, 2019*, 2022, 2023	2019, 2022
ESG 1010 Geology: The Science of the Earth	Synchronous Online	2020, 2022, 2023	2020*, 2021, 2022, 2024	2021, 2023
ESG 1020 Interpreting the Earth	Synchronous Online	2020	2021	
ESG 1020 Interpreting the Earth	Traditional Face to Face		2024	
ESG 1370 Meteorology: The Study of Weather	Asynchronous Online No Schedule		2019, 2020, 2021	
ESG 3000 **(Formerly EVS 3000)** Introduction to Environmental Analyses using GIS	Traditional Face to Face	2019, 2022, 2023		
ESG 3000 **(Formerly EVS 3000)** Introduction to Environmental Analyses using GIS	Synchronous Online	2020, 2021,		

Course or Curriculum Development:

- ESG 6170 Spatial Statistics and Analyses for Environmental Applications (Offered starting Winter 2022)
- ESG 6160 Applied Remote Sensing (Offered starting Fall 2021)
- ESG 3230 Introduction to Remote Sensing (Approved in 2021 not yet offered)
- EVS/ESG 3000 - Introduction to Environmental Analyses using GIS ESG 6160 Applied Remote Sensing (Offered starting Fall 2019)
- GEL5600/ESG 5650 - Applied Geologic Mapping (Offered starting Fall 2012)

Essays/Theses/Dissertations

2019

- Co-Mentor: Kurt J. Wendland, Master of Public Health, *"Statistical Analysis of Michigan Blood Lead Levels in 2017"*

Department of Urban Studies & Planning, Wayne State University - Detroit, MI
January 2020 to December 2021

***Graduate** Courses taught:*

Course	Instructional Method	Fall Term	Winter Term
UP 6700 - Introduction to Geographic Information Systems	Synchronous Online	2021	2020

***Undergraduate** Courses taught:*

Course	Instructional Method	Fall Term	Winter Term
GPH 3600 - Introduction to Geographic Information Systems	Synchronous Online	2021	2020

Department of Ecology & Evolution, University of Chicago - Chicago, IL
March 2009 to December 2011

- Provided expert advice and basic GIS training to Undergraduate, PhD students and Post-Docs in the Bergelson Lab.

Village of Arlington Heights - Village of Arlington Heights, IL
January 2008 to March 2009

- Provided expert advice and basic training to all GIS users in the municipality.

Department of Anthropology, GIS lab, The Field Museum - Chicago, IL
September 2006 to August 2008

- Provided expert advice and basic GIS training to Undergraduate and PhD students.

Certified High School Teacher, Matera Southern Italy School District - Matera, Italy
September 2004 to June 2006

- Subjects taught: Geology, Biology and Chemistry

Volunteer, Italian Red Cross - Paola, Italy
January 1999 to June 2006

- Provide expert advice and training for emergency plans during and after natural disasters (Earthquake, Flooding, and Fire)

PROFESSIONAL MEMBERSHIPS:

- Member of the Geospatial Determinants of Health Outcomes Consortium (GeoDHOC)
- Member of the National Board of Professional Geologists, Italy
- Former Member of the Illinois Municipal ArcGIS User Group

AWARDS:

- ***2023-2024 Wayne State University General Education Teaching Award***

The General Education Teaching Award recognizes outstanding instructors who have demonstrated commitment and excellence in the General Education Program through teaching inside and outside the classroom, through collaboration, innovation, excellence, and inclusion in general education teaching.

- ***2017 Esri Storytelling with Maps Contest– Redland, CA***

Place: 3rd **Section**: Culture, History, and Events

Web Link: http://www.esri.com/landing-pages/story-maps/contest-winners-2017

GRANTS:

Active:

- ***2023-2025 Mental Health and Suicide at Mid-life: The Interaction of Seasonal Pollen and Place-based Factors***

  Source: American Foundation for Suicide Prevention PI: Shooshan Danagoulian

  Role: Geospatial Analyst Effort: 0.5 Summer months per year

  Total project Cost: $124,836.00

  Selected for funding, pending award activation in January 2024

- ***2022-2027 NIEHS SRP: Center for Leadership in Environmental Awareness & Research (CLEAR)***

  Source: NIEHS-NIH Superfund Research Program. PIs: C Miller and M Runge-Morris

  Total Grant Cost $14,715,999.00

  a) ***Core Project E1: Building Aboveground Strategies to Identify and Address Belowground Hot Spots for VOC Vapor Intrusion in Complex Urban Settings.***

  Role: Co-I MPIs: S. Papuga and G. Hood

  b) ***Data Management and Analysis Core (DMAC)***

  Role: Geospatial Visualization/Analyses Coordinator MPIs: M Lu, J Li and E Bunting

Total Effort: 2 Summer months per year

Previously Funded:

- ***2018-2022 Collaborative Research: Water and Health Infrastructure Resilience and Learning (WHIRL). National Science Foundation***

  Source: Big Data Seed Grant (Cheng), Wayne State University PI: Shawn McElmurry
  Role: GIS Analyst/Research Assistant Effort: 1 Summer month
  Total project Cost to F.G. Sperone: $9500

- ***2013-2014 Faculty Teaching Development Travel Grants***

  Source: Office of Teaching and Learning, Wayne State University - Detroit, MI
  Total award to F.G. Sperone: $800

- ***2012-2014 Geospatial Analyses of Air Pollution and Adverse Birth Outcomes in Detroit***

  Source: W. K. Kellogg Foundation PI: John Reiners
  Role: Co-I Effort: 3 Summer months per year
  Total Cost to F.G. Sperone: $14,009

- ***2012-2014 Mapping Cumulative Risks to Prioritize Prevention Efforts***

  Source: EPA - GRLI PI: Donna R. Kashian
  Role: GIS Analyst Effort: 2 Summer months per year
  Total project Cost to F.G. Sperone: $ 14,291

Previously Submitted Not Funded:

- ***2022-2025 Mental Health and Suicide at Mid-life: The Interaction of Seasonal Pollen and Place-based Factors***

  Source: NIH PI: Shooshan Danagoulian
  Role: Co-I Effort: 0.5 Summer months per year
  Total project Cost: $1,155,207.00

- ***2020-2025 Mechanisms of Disparities in Chronic Liver Diseases and Cancer***

  Source: NIH PIs: Mei Lu, HFHS
  Role: GIS Analyst/WSU PI Effort: 2 Summer months per year
  Total project Cost: $111,537

- ***2019-2024 (Scored) Center for Leadership in Environmental Awareness and Research (CLEAR)***

  Source: NIH MPIs:Runge-Morris/Miller

  Role: Co-I Effort: 2 Summer months per year

- ***2014-2016 Ambient Air Pollution and Pregnancy Complications: A Geospatial Analytic Approach***

  Source: NIH PI: Lawrence Lemke

  Role: GIS Analyst Effort: NA

PUBLICATIONS:

Peer-reviewed co-authored publications

2024:

- Jennifer K. Straughen, Ian Loveless, Yalei Chen, Charlotte Burmeister, Lois Lamerato, Lawrence D. Lemke, Brendan F. O'Leary, John J. Reiners, Jr., **F. Gianluca Sperone**, Albert M. Levin and Andrea Cassidy-Bush-row, *The impact of environmental BTEX exposure on blood-based DNA methylation profiles in pregnant African American women from Detroit.* International Journal of Environmental Research and Public Health International Journal of Environmental Research and Public Health 21, no. 3: 256. (2024) https://doi.org/10.3390/ijerph21030256
- Day, Ashleigh M.; O'Shay, Sydney; Islam, Khairul; Seeger, Matthew W.; **Sperone, F. Gianluca**; McElmurry, Shawn P. *Boil Water Notices as Health-Risk Communication: Risk Perceptions, Efficacy, and Compliance during Winter Storm Uri*. Scientific Reports 14, 850 (2024). https://doi.org/10.1038/s41598-023-50286-y

2023:

- Brendan F. O'Leary, Alex B. Hill, Colleen Linn, Mei Lu, Carol J. Miller, Andrew Newman, **F. Gianluca Sperone**, Qiong Zhang. *Exploring spatial trends of corrective action at Leaking Underground Storage Tanks in Wayne County, MI*. Environmental Science and Pollution Research volume 30, pages 60768–60776 (2023). https://doi.org/10.1007/s11356-023-26666-2

2022:

- Bridget B. Baker, Alex S. Haimbaugh, **F. Gianluca Sperone**, Destiny M. Johnson, Tracie R. Baker. *Persistent contaminants of emerging concern in a great lakes urban-dominant watershed*. Journal of Great Lakes Research, Volume 48, Issue 1, **2022**, Pages 171-182, ISSN 0380-1330. https://doi.org/10.1016/j.jglr.2021.12.001

2021:

- Jana Mittelstrass, **F. Gianluca Sperone**, Matthew W. Horton. *Using transects to disentangle the environmental drivers of plant-microbiome assembly*. Plant, Cell & Environment, 44, 2021, 3745–3755. https://doi.org/10.1111/pce.14190
- Andrea E. Cassidy-Bushrow, Charlotte Burmeister, Johnna Birbeck, Yalei Chen, Lois Lamerato, Lawrence D. Lemke, Jia Li, Gil Mor, Brendan F. O'Leary, Rosalind M. Peters, John J. Refiners, **F. Gianluca Sperone**, Judy Westrick, Evan Wiewiora, Jennifer K. Straughen. *Ambient BTEX exposure and mid-pregnancy inflammatory biomarkers in pregnant African American women*. Journal of Reproductive Immunology, Volume 145, **2021**, 103305, ISSN 0165-0378. https://doi.org/10.1016/j.jri.2021.103305.

2020:

- Andrea E. Cassidy-Bushrow, Charlotte Burmeister, Lois Lamerato, Lawrence D. Lemke, Maureen Mathieu, Brendan F. O'Leary, **F. Gianluca Sperone**, Jennifer K. Straughen, John J. Reiners. *Prenatal airshed pollutants and preterm birth in an observational birth cohort study in Detroit, Michigan, USA*. Environmental Research, Volume 189, **2020**, 109845, ISSN 0013-9351. https://doi.org/10.1016/j.envres.2020.109845.

2016: * Co-authored as member of the 1001 Genomes Consortium (see end of 2016 section for a complete author list)

- **The 1001 Genomes Consortium*, 2016**. *1135 genomes reveal the global pattern of polymorphism in Arabidopsis thaliana*. Cell Volume 166, Issue 2, Pages 481–491. http://dx.doi.org/10.1016/j.cell.2016.05.063

- Taiji Kawakatsu, Shao-shan Carol Huang, Florian Jupe, Eriko Sasaki, Robert J. Schmitz, Mark A. Urich, Rosa Castanon, Joseph R. Nery, Cesar Barragan, Yupeng He, Huaming Chen, Manu Dubin, Cheng-Ruei Lee, Congmao Wang, Felix Bemm, Claude Becker, Ryan O'Neil, Ronan C. O'Malley, Danjuma X. Quarless, **The 1001 Genomes Consortium***, Nicholas J. Schork, Detlef Weigel, Magnus Nordborg, Joseph R. Ecker, **2016**. *Epigenomic Diversity in a Global Collection of Arabidopsis thaliana Accessions*. Cell Volume 166, Issue 2, P492-505. https://doi.org/10.1016/j.cell.2016.06.044.

  * ***The members of The 1001 Genomes Consortium are (in alphabetical order):*** *Carlos Alonso-Blanco, Jorge Andrade, Claude Becker, Felix Bemm, Joy Bergelson, Karsten Borgwardt, Eunyoung Chae, Todd Dezwaan, Wei Ding, Joseph R. Ecker, Moisés Expósito-Alonso, Ashley Farlow, Joffrey Fitz, Xiangchao Gan, Dominik G. Grimm, Angela Hancock, Stefan R. Henz, Svante Holm, Matthew Horton, Mike Jarsulic, Randall A. Kerstetter, Arthur Korte, Pamela Korte, Christa Lanz, Chen-Ruei Lee, Dazhe Meng, Todd P. Michael, Richard Mott, Ni Wayan Muliyati, Thomas Nägele, Matthias Nagler, Viktoria Nizhynska, Magnus Nordborg, Polina Novikova, F. Xavier Picó, Alexander Platzer, Fernando A. Rabanal, Alex Rodriguez, Beth A. Rowan, Patrice A. Salomé, Karl Schmid, Robert J. Schmitz, Ümit Seren,* ***Felice Gianluca Sperone****, Mitchell Sudkamp, Hannes Svardal, Matt M. Tanzer, Donald Todd, Samuel L. Volchenboum, Congmao Wang, George Wang, Xi Wang, Wolfram Weckwerth, Detlef Weigel, Xuefeng Zhou.*

- **2015:** Natalie M. Jameson Kiesling, Soojin V. Yi, Ke Xu, **F. Gianluca Sperone**, Derek E. Wildman. *The tempo and mode of New World monkey evolution and biogeography in the context of phylogenomic analysis*. Molecular Phylogenetics and Evolution, Volume 82, Part B, **2015**, Pages 386-399, ISSN 1055-7903. https://doi.org/10.1016/j.ympev.2014.03.027

2012:

- Horton, M., Hancock, A. M., Huang, Y. S., Toomajian, C., Atwell, S., Muliyati, W., Platt, A., **Sperone, F. G.**, Vilhkálmsson, B. J., Nordborg, M., Borevitz, J. O. and J. Bergelson, **2012**. *Genome-wide patterns of genetic variation in worldwide Arabidopsis thaliana accessions from the RegMap panel*. Nature Genetics, 44:212-6. https://doi.org/10.1038/ng.1042

2011:

Hancock, A. M., Brachi, B., Faure, M., Horton, M. W., Jarymowycz, L. B., **Sperone, F. G**., Toomajian, C., Roux, F. and J. Bergelson, **2011**. *Adaptation to climate across the Arabidopsis thaliana genome*. Science, Vol. 334 no. 6052 pp. 83-86 .https://doi.org/10.1126/science.1209244

GIS technical contribution to peer-reviewed publications

2014:

- Karasov, T., Kniskern, J., Gao, L. et al. The long-term maintenance of a resistance polymorphism through diffuse interactions. Nature 512, 436–440 (2014). https://doi.org/10.1038/nature13439

2011:

- Allesina S - Measuring Nepotism through Shared Last Names: The Case of Italian Academia. PLoS ONE 6(8): e21160. https://doi.org/10.1371/journal.pone.0021160
- Luca et al. (2011) Genome Research. https://doi.org/10.1101/gr.119792.110

2010:

- Abadie et al. - Annual Reviews Immunology. https://doi.org/10.1146/annurev-immunol-040210-092915
- Barreiro & Quintana-Murci - Annals of the New York Academy of Sciences. https://doi.org/10.1111/j.1749-6632.2010.05856.x
- Sun et al. - PLoS Genet 6(10): e1001178. https://doi.org/10.1371/journal.pgen.1001178

2009:

- Luca et al. - PLoS Genet 5(5): e1000489. https://doi.org/10.1371/journal.pgen.1000489

2008:

- Hancock et al. - PLoS Genet 4(2): e32. https://doi.org/10.1371/journal.pgen.0040032

POSTER PRESENTATIONS:

2024:

- O'Leary, B.F., Hood, G.R., Lu, M., Bunting, E., Zhang, Q., Hossain, M., **Sperone, F.G.**, Miller, C.J., Hussain, Y., Wu, T., Melkonian C., (2024) *Integrating Fieldwork Approaches to Uncover the Environmental Health Impact of Brownfields on Urban Communities*. Climate Change and Environmental Justice: Engaging Diverse Teams. NIEHS Partnerships for Environmental Public Health. Durham, NC.

2023:

- O'Leary, B.F., Hood, G.R., Lu, M., Bunting, E., Zhang, Q., Hossain, M., **Sperone, F.G.,** Miller, C.J., Hussain, Y., Wu, T., Melkonian C., (2023) *Use of Innovative Methods to Uncover Hidden Stories of Legacy Brownfield Sites*, Superfund Research Program Annual Meeting 2023, Albuquerque, NM
- **F.G. Sperone**, R. Smith, S. P. McElmurry - *Evaluating the probability of issuing Boil Water Notices: the impact of Winter Storm Uri on Texas Water Service Areas.* Association of Environmental Engineering and Science Professors (AEESP), 2023-2024 Distinguished Lecture - Poster Session, Wayne State University, Detroit, Michigan

2019:

- Mittelstrass J., **F.G. Sperone**, Horton M. - *Investigating the structure of the leaf and root microbiome of the wild strawberry F. vesca*, The International Society for Molecular Plant-Microbe Interactions Conference, Glasgow, UK
- O'Leary, B.F., Cassidy-Bushrow, A.E., Lemke, L.D., **Sperone, F.G**.. Straughen, J.K., Reiners, J.J.Jr. - Airshed Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) and Preterm Births in Detroit, Superfund Research Program, Seattle, Washington

2018:

- Orlando Rios, Shirley Papuga, **F. Gianluca Sperone**, Carol Miller, Brendan O'Leary, Oluwafemi Aregbesola - *Spatial Considerations in Quantifying the Risk of VOC Exposure via Vapor Intrusion*, Water at Wayne Symposium, Detroit, MI

PODIUM PRESENTATIONS

2015:

- **F. Gianluca Sperone**, A.J. Fusaro, A.D. Davidson, and D.R. Kashian - *Mapping invasion likelihood and predicted impact: Integrating diverse taxa and vector assessments into a spatial model of invasion risk*. Belle Isle Aquarium - Conservation Day Symposium, Detroit, USA

2014:

- Fusaro, A.J., Davidson, A.D., **Sperone, F.G**., and Kashian, D.R. - *Creation of a Cumulative Risk Map for Potential Great Lakes Invaders.* International Association for Great Lakes Research annual conference, Hamilton, Ontario, Canada.
- Fusaro, A.J., Davidson, A.D., **Sperone, F.G**., and Kashian, D.R. - *Mapping invasion likelihood and predicted impact: Integrating diverse taxa and vector assessments into a spatial model of invasion risk*. Joint Aquatic Sciences Meeting 2014, Portland, USA
- **F. Gianluca Sperone** - *Brownfield Action: GIS applications*. Barnard College, New York, USA

2013:

- **F. Gianluca Sperone** - *Using GIS in Brownfield Action*. Barnard College, New York, USA

2012:

- **F. Gianluca Sperone** - *Brownfield Action Simulation: a GIS approach*. Barnard College, New York, USA

REFERENCES: References available upon request

Signature:  Date: 11/11/2024