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| Education |
| SUNY College of Environmental Science and Forestry, Syracuse, M.S. Plant Science and Biotechnology, 2019  SUNY College of Environmental Science and Forestry, Syracuse, B.S., Environmental Biology, 2014 |
| Specialized Training |
| Tier-1 Select Agents  BSL-3Ag RT-qPCR  IATA Dangerous Goods Shipping  R and RStudio Data Analysis |
| Work History |
| 2020-present, Merrick & Company  2 years, Other Firms |
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Joseph V. Nasta, M.S.

Scientist, Biological Data Analyst

Mr. Nasta is a fresh graduate of SUNY College of Environmental Science and Forestry. Having received his Master of Science in Plant Science and Biotechnology, he is a versatile microbiologist with a demonstrated history of working in the higher education industry. He brings two years of laboratory and leadership experience and is known for having designed, programmed, and constructed a Microbial Evolutionary Growth Arena for future student-led research at his alma mater.

Experience

Biorepository Transfer (BRT) Support National Bio and Agro-Defense Facility (NBAF), U.S. Department of Agriculture, APHIS, Plum Island, NY and Manhattan, KS, USA

Awarded a 4-year, $12.5M commercial services contract, Merrick is providing transition support services for transferring the biorepository from Plum Island Animal Disease Center (PIADC) located in Plum Island, NY, to the National Bio and Agro‐Defense Facility (NBAF) located in Manhattan, KS.

Mr. Nasta is involved in multiple aspects of the BRT project. In the laboratory, he routinely completed data validation, sample inventorying, sample destruction, and characterization activities in service to the USDA. Working remotely, Mr. Nasta authored and completed technical edits on several BRT Standard Operating Procedures (SOP), and Work Instructions. Mr. Nasta also created all BRT SOP flowcharts and diagrams when requested by the USDA, and maintained a project file to track activity progress and calculate upcoming deadlines.

Operational Planning and Technology Integration Contract (OPTIC), National Bio and Agro-Defense Facility, U.S. Department of Homeland Security/U.S. Department of Agriculture, Manhattan, KS, USA

Awarded a 10-year, $44M professional services engagement, Merrick develops and executes all aspects of operational planning and technology integration for the NBAF. Merrick’s scope involves complex, integrated planning and execution of all facets of operations to replace and augment the current mission being conducted at the Plum Island Animal Disease Center in Orient Point, NY. The NBAF will serve the nation in terms of animal disease research, foreign animal disease diagnostics, and contain the Nation’s first large animal BSL-4 laboratory...

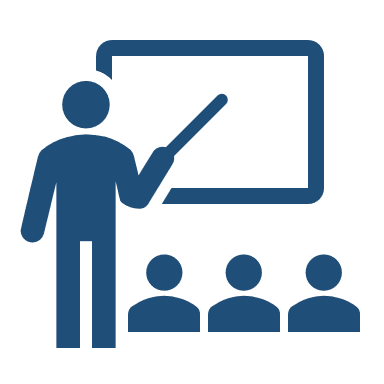
Mr. Nasta assisted with the OPTIC project in several different aspects. He was responsible for all aspects of SOP development and integration as it relates to biorepository transfer efforts, which includes work instructions for specific scientific assays and procedures. Mr. Nasta is also designed and formatted a majority of all OPTIC process flowcharts and diagrams.

Mr. Nasta has worked to assist the Federal Government in their procurement efforts by conducting market surveys and generating technical recommendations that meet their specific needs; this includes the utilization of federal reporting sites, and networking with vendors and technical support specialists.

He has also worked on data collection and validation aspects of the project, including sample inventorying, destruction, and characterization. Mr. Nasta continues to assist with laboratory testing and expansion of biological samples housed in PIADC as it relates to biorepository transfer efforts.

SUNY College of Environmental Science and Forestry, Syracuse, NY, USA

Mr. Nasta simultaneously performed duties as a Graduate Assistant and Research Project Assistant while studying the adaptive response of *Pseudomonas fluorescens* to spatiotemporal gradients of the herbicide dicamba. As a Graduate Assistant, Mr. Nasta instructed and independently designed curriculum content for an upper-level environment microbiology course, and co-instructed courses in Animal Behavior and Introductory Biology. As a research Project Assistant, Mr. Nasta performed DNA extraction, purification, and qPCR in a microbial source-tracking project based out of Salt Lake City, Utah.



Presentation/Course Taught

“Adaptive Response of *Klebsiella pneumoniae* to Dicamba Across a Spatiotemporal Gradient”, American Society for Microbiology 53rd Annual Regional Meeting, poster presentation, 2018.

PUBLICATION

Nasta, Joseph, "Spatiotemporal adaptations of *Pseudomonas fluorescens* to the herbicide Dicamba in a Microbial Evolutionary Growth Arena" (2019). Dissertations and Theses. 107. https://digitalcommons.esf.edu/etds/107