

UVI Research Day Poster Topics

1. Six Pitaya Varieties for the Virgin Islands
2. Using ELISA to Detect Cucumber Mosaic Virus in Sweet potato Seedlings
3. Evaluation of Sweet potato Skin Pigments from Cooked and Uncooked Tuberous Roots
4. Papaya Growth: Comparison over Four Non-consecutive Generations
5. Application of the Dynamic Programming Principle to Pairwise Sequence Alignment
6. Plant Identification and Use on St. Thomas, USVI: An Undergraduate Class Investigates Local Knowledge
7. Analysis of the time spent feeding and moving by the lettuce sea slug
8. Evaluating Intrusion Detection Classifiers: A Data Mining Approach
9. Domestic Violence in the Virgin Islands
10. The Impact of Coral Species Diversity on White Plague Disease Transmission
11. EXPLORING THEMES IN RECRUITMENT FOR A STUDY WITH WOMEN
12. Partial root and canopy cut to increase cantaloupe fruit sweetness in the UVI Aquaponic System
13. Assessment of basil varieties for production in the UVI Aquaponic System
14. Flooding Hazards on St. Thomas, USVI
15. Study of Poverty Distribution in St. Thomas, VI
16. Sensor-based irrigation in different sweet pepper varieties in the U.S. Virgin Islands
17. Greenhouse production of slicing cucumbers in the U.S. Virgin Islands
18. Using GIS to Improve Agriculture in the U.S. Virgin Islands: From Brown to Green
19. UVI's Mathematics Behind the Science Summer Program
20. Peer Led Team Learning in Foundation Mathematics for College Students: An Approach to Retention
21. Brownfields
22. Students at the University of the Virgin Islands and Their Awareness of Crime Within the St. Thomas Community
23. A Child's Household and Perception of Society
24. Developing An X-Ray Test Stand using a Narrow Gap Detector
25. Vibrational Scaling Factors for Transition Metal Carbonyls
26. Effects of invasive seagrass *Halophila stipulacea*, on abundances and species richness of juvenile fish assemblages compared to native species, *Syringodium filiforme* and *Thalassia testudinum*, in St. Thomas, USVI.
27. Modification and Improvement of Existing General Chemistry Labs using Microlab™ Data Acquisition Systems
28. Public Opinions on the Significance of Fort Christiansvaern
29. Aquaponic waste as nutrient source for duckweed production used for fish feed
30. Evaluating microirrigation performance on okra cultivation in the U.S. Virgin Islands
31. Racism: Where Do We Go From Here?
32. Touch-tank demonstration
33. Complex and cryptic refugia for struggling reefs
34. Antioxidant Activity in Fresh Herbs
35. Marine Disease Management

36. Comparison of plasma and hair cortisol concentrations in St. Croix White hair sheep ewes and lambs in response to weaning with or without fence line contact
37. Evaluation of the gastrointestinal parasite burdens around the time of parturition in hair sheep in the tropics
38. FROM CORAL TO "SPONGE REEFS"? Excavating sponges as indicators of change
39. Prevalence of Childhood Obesity in the East End Area on St. Thomas
40. Changes in Lionfish Prey Consumption
41. Use of bioacoustics for wildlife survey in the US Virgin Islands
42. Understanding Perceptions of Family-centered Care
43. Do Executive Function, Motivation, Stress Coping and Age Predict Academic Performance?
44. Program Overview: The Substance Abuse & HIV/AIDS Prevention Program
45. Brine Shrimp Cytotoxicity Studies of a Mixture of Lemongrass and Ginger Oil
46. Students' Attitudes and Perceptions of Gangs in the St Croix Public Schools
47. The Cytotoxicity Studies of Lemongrass Oil on Brine Shrimp
48. Overview of Malware Attack Steps: The Kill Chain Model
49. Developing An X-Ray Test Stand using a Narrow Gap Detector
50. Generations and the Increase of Technology Use
51. Swell as a High frequency driver of macroalgal cover on Caribbean coral reefs, and coral-macroalgal interactions
52. DAMSELS AND APICOMPLEXA: NEW MODELS TO STUDY PARASITIC DISEASES
53. China in the Caribbean
54. Antioxidant Activity in local Algae
55. Developing a Test Stand for Lifetime Measurements using a Narrow Gap Detector
56. Cytotoxicity Studies of Ginger Oil doped with Lemongrass Oil using a Brine Shrimp Assay
57. Effects of parasitism by the Cymothoid isopod *Aniliocra chromis* on its host the Brown chromis (*Chromis multilineata*)
58. "An investigation of performing practices of entering high school music students into the University of the Virgin Islands instrumental music program; through examination of curriculum design, performance requirements, teacher preparation, with panelist recommendations for further studies."
59. Effects of invasive seagrass *Halophila stipulacea*, on abundances and species richness of juvenile fish assemblages compared to native species, *Syringodium filiforme* and *Thalassia testudinum*, in St. Thomas, USVI.
60. The impacts of Species Diversity on White Plague Disease Transmission
61. Utilizing the Cover Crop Sunn Hemp (*Crotalaria juncea* L.) to Improve Vegetable Cropping Systems
62. The genetic diversity of the velvety free-tailed bat, *Molossus molossus* between populations on St. John and St. Thomas and between populations on St. Thomas
63. The Impact of Robbery on Owners and Employee of Jewelry Stores
64. Characterization of Available Hawksbill *Eretmochelys imbricata* Nesting Sites on St. Thomas, United States Virgin Islands
65. COLLABORATIVE ACTION RESEARCH ON MATHEMATICAL MODELING OF WATER QUALITY WITH STEM TEACHERS
66. Homicide Victimology in St. Croix, U.S. Virgin Islands
67. Coral Disease Dispersion: A Mathematical Investigation
68. Evaluating the impacts of increasing sponge cover on the recovery and resilience of Caribbean corals

69. Effects of the parasitic isopod *Gnathia marleyi* on the early life history of French Grunt (*Haemulon flavolineatum*) and Beaugregory damselfish (*Stegastes leucostictus*)
70. Gb3 Expression on Human Cervical Cancer Cells and Effects of Shiga Toxin-2
71. Examining Genome Differentiation of Old and New World Anas Platyrhyncos
72. Sexual Selection and its Relation to Isolative Reproduction in Three-spine Stickleback (*Gasterosteus aculeatus*)
73. Authoritative knowledge and disaster risk vulnerability: the case of wastewater, water, energy and coastal resources in the United States Virgin Islands
74. 3D printing a 6MW offshore turbine
75. The Effect of Rk35 Anti-Myostatin on Muscle Growth and Neurotrophic Factor Expression in Heart Tissue and Cardiac Muscle Cells in Culture
76. Evaluation of the relationship between body temperature and grazing behavior in hair sheep in the tropics
77. Identifying Intrinsic Resistance in *Pseudomonas aeruginosa*
78. Are Facebook Intensity and Gender Related to Self-Esteem?
79. Public's Attitude Towards the Mentally Ill
80. *Elysia crispata*, the solar powered lettuce sea slug, prefers to associate with the filamentous green alga *Bryopsis plumosa* versus the calcified green alga *Penicillus lamourouxii*
81. PHYSICAL DRIVERS OF COMMUNITY STRUCTURE AND GROWTH AMONG MESOPHOTIC CORAL ECOSYSTEMS IN ST. THOMAS, US VIRGIN ISLANDS
82. Comparing the Microbial Communities of the Coral Diseases Black Band and White Plague
83. Coral and sponges in Caribbean reefs: interactions and threats
84. Antioxidant Activity in *Hibiscus Sabdariffa*
85. Invasion, distribution and abundance of the Indo-Pacific lionfish in the US Virgin Islands
86. Determination of the prevalence of Open- Angle Glaucoma (OAG) in the US Virgin Islands population
87. Let's get muddy! How and why we sample mud in coastal habitats.
88. The West Indian Sea Egg (*Tripneustes ventricosus*) is negatively impacted by the invasive seagrass *Halophila stipulacea*
89. The Substance Abuse & HIV/AIDS Prevention Program
90. Exploring the Determinants of Men's Health in the US Virgin Islands
91. Perpetrators of Teen Dating Violence
92. Harvest timing and inorganic-nitrogen alternatives impact on lignocellulosic characteristics and yield under an intensified climate
93. Differential Success of Primers on Tissue Samples Extracted from Populations of *Molossus molossus* on St. Thomas
94. Pathways to Success Co. - Restaurant Review
95. The Effects of Seedling Morphology on Establishing a Red Mangrove (*Rhizophora mangle*) Nursery in a Recirculating Saltwater Table System
96. Comparison of Benthic Assemblages in Native vs. Invading Seagrass Beds
97. Influences of Watershed inputs on Water Quality and Bioluminescent Dinoflagellates in Mangrove Lagoon, St. Croix, USVI