

1. DESIGNING CONIFER PRIMERS TO AMPLIFY POLYMORPHIC SITES FOR SPECIES-SPECIFIC, REAL-TIME PCR; Ammar Ali and Dr. Kendall Martin; Dept. of Biology, William Paterson University of New Jersey, Wayne, NJ
2. CLASSIFICATION OF NEOCORTICAL NEURONS; Naureen Ghani and Dr. Rafael Yuster; School of Engineering & Applied Sciences, and Dept. of Biological Sciences, Columbia University, New York, NY
3. LOCALIZATION OF MITOCHONDRIA IN SEPTIN MUTANTS OF SACCHAROMYCES CEREVISIAE: Nisha Giyanani and Dr. Patricia Melloy; Biological & Allied Health Sciences, Fairleigh Dickinson University, Madison, NJ
4. TRANSPLANTATION OF ISLET OF LANGERHANS CELLS IN STZ-INDUCED DIABETIC MICE TO ALLEVIATE NEUROPATHIC PAIN; Neal Joshi, David Diaz and Dr. Jeung Woon Lee; Dept. of Biology, William Paterson University of New Jersey, Wayne, NJ
5. ROLE OF METABOLISM IN FRUCTOSE TRANSPORTER GLUT5 REGULATION; Ami Shah and Dr. Jeffrey Erickson, Dept. of Biology, The College of New Jersey, Ewing, NJ
6. USING BREAST CANCER CELLS TO TEACH STUDENTS ABOUT CELL DIVISION AND SIGNALING THROUGH CELL CULTURE TECHNIQUE: A SIMPLE LAB MODULE; Victoria McIlrath, Dept. of Natural Sciences, Marymount Manhattan College, New York, NY
7. DEMOGRAPHY, TIME OF YEAR, AND RAINFALL EFFECTS ON SOIL LEVELS OF ISOTHIOCYANATE IN GARLIC MUSTARD POPULATIONS: Jaclyn Webber and Dr. Laura Hyatt, Dept. of Biology, Rider University, Lawrenceville, NJ
8. RELATIVE ABUNDANCE OF DUIKER IN RELATION TO ROADS AT MOKA, BIOLO ISLAND, EQUATORIAL GUINEA: Erica Tuttle and Dr. Drew T. Cronin, Biology Department, Drexel University, Philadelphia, PA
9. URBANIZATION EFFECTS ON MOTH SPECIES RICHNESS & ABUNDANCE: Jessika Santamaria and Dr. David Gilley, Dept. of Biology, William Paterson University of New Jersey, Wayne, NJ
10. THE MICROBIOME OF THE HUMAN HEAD LOUSE: Megan St. Amand, Vanja Klepac-Ceraj and Dr. Celeste Peterson, Dept. of Biology, Suffolk University, Boston, MA
11. EFFECTS OF ENVIRONMENTAL STRESS ON IMMUNE RESPONSE EVOLUTION IN LONGNOSED DACE: Silvia Rodriguez, Keith Thomas, Karina Shendrik and Dr. Erika Crispo, Dept. of Biology & Health Sciences, Pace University, New York, NY
12. IDENTIFYING THE POLLINATORS OF PARASONIA ALBOFLAVESCENS (APOCYNACEAE-MILKWEED FAMILY) Rumaan Malhotra, Mary Hansbury, Tyler Short, Nicholas Martin, Anthony Sanchez, Ching-Wen Tan and Dr. Tatyana Livshultz; Biology Dept. Drexel University, Philadelphia, PA

13. GROWTH DIFFERENCES BETWEEN TOXIC (GB WILSON) AND NON-TOXIC (NTB WILSON) SUB-STRAINS OF KARENIA BREVIS, THE FLORIDA RED TIDE DINOFLAGELLATE: Denisse Velez and Dr. Emily Monroe, Dept. of Biology, William Paterson University of New Jersey, Wayne, NJ
14. EXAMINING CARDIORESPIRATORY CONTROL AND NEONATAL MORTALITY IN PRENATALLY NICOTINE EXPOSED 5-HT DEFICIENT PET-1 KNOCKOUT MICE: Renuka Reddy and Dr. Jeffrey Erickson; Dept. of Biology, The College of New Jersey, Ewing, NJ
15. POTENTIAL USE OF A DIET RICH IN OMEGA 3 FATTY ACIDS TO ALLEVIATE THE AUTISTIC-LIKE PHENOTYPE OBSERVED IN BTBR T+ tf/J MICE: Melissa Happe, Norman Schanz and Dr. Robert Benno, Dept. of Biology, William Paterson University of New Jersey, Wayne, NJ
16. THE EFFECT OF COLD ATMOSPHERIC PRESSURE PLASMA ON TAIL REGENERATION OF TADPOLES XENOPUS LAEVIS: Adonis Rivie, Joyce June, Dr. Kevin Martus and Dr. Jaishri Menon, Dept. of Biology and Dept. of Physics, William Paterson University of New Jersey, Wayne, NJ
17. BENEFICIAL EFFECTS AFTER CHALCONE ADMINISTRATION ON OXIDATIVELY STRESSED IN VITRO CELL LINES AND ON C. ELEGANS: Sharon Lee, Dr. Francesco Caruso, Dr. Miriam Rossi and Dr. K. Susman, Dept. of Chemistry and Dept. of Biology, Vassar College, Poughkeepsie, NY
18. DOES PRENATAL NICOTINE EXPOSURE ALTER 5HT DEVELOPMENT IN THE PET-1 KNOCKOUT MOUSE? AN UNBIASED STEREOLOGICAL APPROACH: Jessica Nardone, Amanda Stewart and Dr. Jeffrey Erickson, Dept. of Biology, The College of New Jersey, Ewing, NJ and Dept. of Veterans Affairs, VA NJ Health Care Systems, East Orange, NJ
19. TERPENOID COMPOSITION OF PINUS ALBA RESIN: Cecilia Rosenbaum, Edith Stout and Dr. Sarjit Kaur; Dept. of Chemistry, Vassar College, Poughkeepsie, NY
20. SOLID PHASE EXTRACTION OF AMPHETAMINE USING DIFFERENT COMMERCIALY AVAILABLE MOLECULARLY IMPRINTED POLYMERSORBENTS: Robert Marvin, Maximillian Baria, Eric Nguyen and Dr. Elmer-Rico Mojica; Dept. of Chemistry & Physical Sciences, Pace University, New York, NY
21. DOCKING OF THE DENTAL ADHESIVE MONOMER, BISPHENOL A-GLYCIDYL METHACRYLATE TO COLLAGEN-I-LIKE PEPTIDES: Dennis Malinovski and Dr. Gloria Anderle; Dept. of Chemistry & Pharmaceutical Science, Fairleigh Dickinson University, Madison, NJ
22. FREE RADICAL SCAVENGING PROPERTIES OF FLAVONES AS STUDIED BY CYCLIC VOLTAMMETRY: Kevin Lee, C. Caldwell, S. Belli, Dr. Francesco Caruso and Dr. Miriam Rossi; Dept. of Chemistry, Vassar College, Poughkeepsie, NY

23. AN ANALYSIS OF THE IMPORTANCE OF SPECTROSCOPY: AN IMPROVED APPROACH TO THE ORGANIC CHEMISTRY LABORATORY USING NATURAL SUBSTANCES: Sana Mohayya and Dr. Amber Charlebois; Dept. of Chemistry, Fairleigh Dickinson University, Madison, NJ
24. UNDERSTANDING THE ROLE OF SMALL MOLECULES IN THE READTHROUGH OF NONSENSE CODONS: Angela Estevez & Dr. Ellen Welch; Dept. of Chemistry, Kean University, Union, NJ
25. ANALYSIS OF AMBERS FROM NORTH AMERICAN, INDIA AND SOUTH EAST ASIA: Amer Hossain, Marriam Khan, Edith Stout, David Grimaldi and Dr. Sarjit Kaur; Dept. of Chemistry, Vassar College, Poughkeepsie, NY and American Museum of Natural History
26. COMPUTATIONAL STUDY OF THE INTERACTION OF THE DENTAL ADHESIVE MONOMER BISPHENOL A-GLYCIDYL METHACRYLATE, WITH A COLLAGEN I-LIKE PEPTIDE: Gopi Patel, Denis malinovski, Dorys Chang and Dr. Gloria Anderle; Dept. of Chemistry & Pharmaceutical Science, Fairleigh Dickinson University, Madison, NJ
27. APPLICATION OF AMBER99SB FORCEFIELD TO MD SIMULATIONS OF BIOMOLECULES: Anthony Riga, Jennifer Grullon, Jasmin Rivera & Dr. David Snyder; Dept. of Chemistry, William Paterson University of New Jersey, Wayne, NJ
28. ANALYSIS OF THE STRUCTURAL INTEGRITY OF THE PEA-15 DED MUTUANT PROTEIN BY ASSESSING D74A THROUGH MNR: Kyaw Win and Dr. Yufeng Wei, Dept. of Chemistry & Biochemistry, Seton Hall University, South Orange, NJ
29. THE EFFECT OF OXIDATIVE STRESSORS ON BACTERIAL SURVIVAL: Lindawati Hermawan, Wendy Lee, Lucy Chou Zheng, Tonmoy Kabiraj, Mohamed Nasef, Dr. Reeta Yadav and Dr. Uri Samuni; Dept. of Chemistry & Biochemistry, Queens College, CUNY, Flushing, NY
30. RELATING ANTIOXIDANT PROPERTIES OF EMBELIN AND ALPHA-TOCOPHEROL AS STUDIED BY CYCLIC VOLTAMMETRY TO THEIR MOLECULAR STRUCTURE: Lorraine Kwok, S. Belli, Dr. Francesco Caruso and Dr. Miriam Rossi; Dept. of Chemistry, Vassar College, Poughkeepsie, NY
31. THE SYNTHESIS OF A TRIS(AMIDINATE) COMPLEX OF VANADIUM (III): Victoria Close, Aili Arnell, Rachel Moote, Rebecca Somogyi, Dr. John Gorden and Dr. Colin Abernethy; Dept. of Chemistry, Sarah Lawrence College, Bronxville, NY and Dept. of Chemistry & Biochemistry, Auburn University, Auburn, AL
32. NEW REACTIONS OF dipp-BIAN WITH VANADIUM-CONTAINING COMPOUNDS: Daniel Nadelman, Rebecca Nadelman, Alexander Keller, Imani West-Abdallah, Dr. John Gorden and Dr. Colin Abernethy; Dept. of Chemistry, Sarah Lawrence College, Bronxville, NY and Dept. of Chemistry & Biochemistry, Auburn University, Auburn, AL
- 33.

34. SYNTHESIS AND CHARACTERIZATION OF A NEW MONO(PENTAMETHYLCYCLOPENTADIENYL) CHROMIUM COMPLEX: Julie Niklas, Dr. John Gordon and Dr. Colin Abernethy; Dept. of Chemistry, Sarah Lawrence College, Bronxville, NY and Dept. of Chemistry & Biochemistry, Auburn University, Auburn, AL
35. A NEW ANIONIC VANADIUM (III) CHLORIDE COMPLEX: James Parichy, Charlie Rostan, Dr. John Gordon and Dr. Colin Abernethy; Dept. of Chemistry, Sarah Lawrence College, Bronxville, NY and Dept. of Chemistry & Biochemistry, Auburn University, Auburn, AL
36. ELECTRON PARAMAGNETIC RESONANCE DETECTION OF ELECTRON INJECTION AT ORGANIC SEMICONDUCTOR-METAL INTERFACE: Michael Stamper and Dr. Gary Gerardi, Dept. of Chemistry, William Paterson University of New Jersey, Wayne, NJ
37. RELATING THE MOLECULAR STRUCTURE AND THE ANTIOXIDANT ACTIVITY OF DIHYDROXYFLAVONES: Manrose Singh, Sandjida Aktar, Dr. Francesco Caruso and Dr. Miriam Rossi. Dept. of Chemistry, Vassar College Poughkeepsie, NY
38. ELECTROCHEMICAL CHARACTERIZATION OF SUPEROXIDE RADICAL CHEMISTRY AND SCAVENGING BY THE OLIVE OILS: Grace Lee, S. Belli, Dr. Francesco Caruso and Dr. Miriam Rossi, Dept. of Chemistry, Vassar College, Poughkeepsie, NY
39. (BIAN) VCl_3Mg_2 : THE FIRST EVER CHARACTERIZED EXAMPLE OF BIAN VANADIUM (II) COMPLEX: Tianjie Zheng, Marianne Pinson and Dr. Colin Abernethy; Dept. of Chemistry, Sarah Lawrence College, Bronxville, NY
40. EXAFS CHARACTERIZATION OF VANADIUM NITRIDES: Shejla Pollozi, Jasen Vita, Xueyi Bu, Scott Calvin, Lauren Shepard, Sarah Reyman, Michael Findlater and Dr. Colin Abernethy; Dept. of Chemistry & Physics, Sarah Lawrence College, Bronxville, NY and Dept. of Chemistry & Biochemistry Texas Tech University, Lubbock, TX
41. A COMPARATIVE CATALYSIS STUDIES OF SELF ASSEMBLED AND GEL NUCLEATED SILVER NANOPARTICLES: Qiaxian Johnson, Aarti Patel, Swetha Matam, Chinara Feizullayeva, Krishna Melepura, Dr. Bhanu P.S. Chauhan and Dr. Moni Chauhan, Dept. of Chemistry, William Paterson University of New Jersey, Wayne, NJ and Dept. of Chemistry, Queensborough Community College of CUNY, Bayside, NY
42. Ni(II)-Fe(III) LAYERED STRUCTURES: Lina Saifan, Nadine Najem and Dr. Mihaela Jitianu, Dept. of Chemistry, William Paterson University of New Jersey, Wayne, NJ
43. APPLICATION OF VIBRATIONAL SPECTROSCOPY IN PROBING SOL-GEL TRANSITION: Samantha Pace, Maximillian Baria and Dr. Elmer-Rico Mojica, Dept. of Chemistry & Physical Sciences, Pace University, New York, NY

44. Mg/Cr HYDROTALCITY-TYPE STRUCTURES SYNTHESIS, STRUCTURAL CHARACTERIZATION, MORPHOLOGY: Jonathan Gabriel, Dr. Andrei Jitianu and Dr. Mihaela Jitianu; Dept. of Chemistry, William Paterson University of New Jersey, Wayne, NJ and Dept. of Chemistry, Lehman College, CUNY, West Bronx, NY
45. ENCAPSULATION OF ENZYMES USING THE SOL-GEL PROCESS: Maximilian Baria, Robert Marvin and Dr. Elmer-Rico Mojica; Dept. of Chemistry & Physical Sciences, Pace University, New York, NY
46. LDH – ENHANCED TITANIUM DIOXIDE IN PHOTOCATALYTIC APPLICATIONS: Monika Baraniak, Maryann Muriu, Naphatli O'Connor, Ravnit Kaur-Bhatia, Dr. Andrei Jitianu and Dr. Mihaela Jitianu; Dept. of Chemistry, William Paterson University of New Jersey and Dept. of Chemistry, Lehman College, CUNY, West Bronx, NY
47. PREPARATION OF SUPPORTED LEWIS ACIDS FUNCTIONALIZED POLYMERS: Cecilia Morales and Dr. Frieder Jaekle, Chemistry Department, Rutgers University, Newark, NJ
48. INTRODUCING BORENIUM CATIONS TO CONJUGATED SYSTEMS: Mayyadah Yusuf and Dr. Frieder Jaekle; Chemistry Department, Rutgers University, Newark, NJ
49. INVESTIGATING THE MECHANISMS INVOLVED IN ABERRANT NEUROSPHERE MIGRATION IN SCHIZOPHRENIA: Anna Patruno, Ngoc Tran, Ian Ladran, Aaron Topol and Dr. Kristen Brennan; Dept. of Psychology, Marymount Manhattan College, New York, NY and Dept. of Psychiatry, Icahn School of Medicine at Mount Sinai, New York, NY
50. DETERMINING WHETHER ESCHERICHIA COLI O157 PATHOGENESIS IN CAENORHABDITIS ELEGANS DEPENDENT UPON INSULIN-LIKE SIGNALING: Dave Thiagaram and Dr. Edith Myers; Dept. of Biological & Allied Health Sciences, Fairleigh Dickinson University, Madison, NJ
51. ELUCIDATING THE ROLE OF CYCLIN-DEPENDENT KINASE 5 IN INSULIN EXOCYTOSIS: STUDIES TOWARD UNDERSTANDING A POSSIBLE LINK BETWEEN NEURODEGENERATION AND TYPE II DIABETES: Alice Trye and Dr. Ann Aguanno; Dept. of Natural Sciences, Marymount Manhattan College, New York, NY
52. USING DNA EXTRACTION FOR THE DETECTION OF AUTOCLAVED PSEUDOGYMNOASCUS DESTRUCTANS, THE CAUSE OF WHITE-NOSE SYNDROME IN BATS: Allison Liberto, Ammar Ali, Lisa Swarn, Sacha Ghubej, Farnaz Ladha and Dr. Kendall Martin; Dept. of Biology, William Paterson University of New Jersey, Wayne, NJ
53. OKP1-GFP LOCALIZATION IN SACCHAROMYCES CEREVISIAE DURING ANAPHASE: Shayna Chevinsky, Lenard Bangug, Emma Quigley and Dr. Patricia Melloy, Dept. of Biological & Allied Health Sciences, Fairleigh Dickinson University, Madison, NJ

54. DRUG DISCOVERY EFFORTS TARGETING MUTANT p53 FOR THE TREATMENT OF GLIOBLASTOMA: Randa Barsoom and Dr. Ronald Doll; Dept. of Neurosciences, Drew University, Madison, NJ
55. HOMOLOGY MODELING FOR FUNCTIONAL ANALYSIS OF THE CDC20/MAD3 INTERACTION AT THE SPINDLE CHECKPOINT OF MITOSIS: Trevor Van Eeuwen, James Luginsland, Dr. Patricia Melloy and Dr. Gloria Anderle; Dept. of Biological & Allied Health Services and Dept. of Chemistry & Pharmaceutical Science, Fairleigh Dickinson University, Madison, NJ
56. BIRD SPECIES DIVERSITY AND ABUNDANCE AT MOKA AND LAGO BIAO, BIKO ISLAND, EQUATORIAL GUINEA: Raelyn Lotfis and Dr. Drew Cronin; Dept. of Biology, Drexel University, Philadelphia, PA
57. COMPARISON OF GUT MICROBIAL COMMUNITIES IN DEVELOPING AUTISM SPECTRUM DISORDER (ASD) AND NEUROTYPICAL MICE: Allison Liberto and Dr. Kendall Martin; Dept. of Biology, William Paterson University of New Jersey, Wayne, NJ
58. ECOLOGICAL DIFFERENCES MAY DRIVE THE EXISTENCE OF MORPHOLOGICAL DIFFERENCES IN SUNFISH POPULATIONS: Celine Hamel and Dr. Erika Crispo; Dept. of Biology & Health Sciences, Pace University, New York, NY
59. THE EFFECTS OF ROAD SUBSTRATE AND SESANALITY ON THE MOVEMENT OF THE NORTHERN PIKE SNAKE, *Pituophis Melanoleucus*: Jacquelyn Garcia, Raffaella Marano, Diane Ward and Dr. Walter Bien, BEES Department, Drexel University, Philadelphia, PA
60. A SURVEY OF DIGENETIC TREMATODES USING PHYSIA SNAILS AS INTERMEDIATE HOSTS: Kelly Peterson and Dr. Joseph Bucci; Dept. of Mathematics & Natural Sciences, Centenary College, Hackettstown, NJ
61. THE EFFECTS OF STREAM URBANIZATION ON WATER QUALITY AND MACROINVERTEBRATE COMMUNITIES: Savannah Bennett and Dr. James Salierno, Dept. of Biological and Allied Health Sciences, Fairleigh Dickinson University, Madison, NJ
62. FT-IR ANALYSIS OF CRUDE OIL COMPOSITION: Katherine Ness and Dr. Alessandra Leri, Dept. of Natural Sciences, Marymount Manhattan College, New York, NY
63. DECOPPERING MEDICINES TRIENTINE AND GALZINE ON COPPER TOXICITY OF TADPOLES AND IMPLICATION FOR PEDIATRIC PATIENTS WITH WILSON DISEASES: Michael Sun, Robert Cooper and Drs. Hongbin Sun and Harp; Dept. of Geological Environmental and Marine Sciences, Rider University, Lawrenceville, NJ and Pennsbury High School, Fairless Hill, PA

64. STUDENT-LED DEVELOPMENT OF EARTH CURRICULUM FOR PATERSON SCHOOLS: GRADES 4, 7 AND 8: A COLLABORATION BETWEEN WILLIAM PATERSON UNIVERSITY, THE PATERSON GREAT FALLS NATIONAL HISTORIC PARK AND THE PATERSON MUSEUM: Danielle Nichols, Christine Thompson, Evan Gerry, Mathew Heye, Ralph Scimeca, Dr. Nicole Davi and Dr. Michael Griffiths, Dept. of Environmental Sciences, William Paterson University of New Jersey, Wayne, NJ
65. FOSSIL UNICORNS FROM HIGH MOUNTAIN, PASSAIC COUNTY, NEW JERSEY: ORTHOCONIC NAUTILOID TIME CAPSULES FROM SUBURBIA: Ralph Scimeca, Dr. Martin Becker, and Dr. Harry Maisch; Dept. of Environmental Sciences, William Paterson University of New Jersey, Wayne, NJ & Dept. of Earth & Environmental Sciences, Brooklyn College, Brooklyn, NY
66. EXPEDITIONS INTO TREE-RING RESEARCH: DEVELOPING A PHOTO ARCHIVE FOR PUBLIC OUTREACH AND EDUCATION ON THE CLIMATE SCIENCES: Rose Oelkers, Jennifer Crapella and Dr. Nicole Davi; Dept. of Environmental Sciences, William Paterson University of New Jersey, Wayne, NJ
67. USING ETHNOBOTANICAL INDICATORS FOR IN VITRO ANTIMICROBIAL SCREENING OF MEDICINAL PLANTS IN THE LOWLAND WET FOREST OF COSTA RICA: Sana Baig, Katherine Andrade, Betsy DeLaCruz, Elvin Demereckas, Diego Morales, Alessa Vindas-Cruz and Dr. Daniela Schebitz; School of Environmental & Sustainability Sciences, Kean University, Union, NJ
68. ASSESSING THE EFFECTIVENESS OF MARINE PROTECTED AREAS IN PROTECTING REEF FISH PREDATORS: Christine Otokiti, Sana Baig, Kristen Iorio, Katherine Hawkins, Kaitlyn Zeringo, Dr. Carrie Manfrino and Dr. Kristi Foster; School of Environmental & Sustainability Sciences, Kean University, Union, NJ
69. ANTIOXIDANT ACTIVITY DURING METAMORPHOSIS OF TADPOLES *Xenopus Laevis*: Raphael Ezuduemoih, Adonis Rivie and Dr. Jaishri Menon; Dept. of Biology, William Paterson University of New Jersey, Wayne, NJ
70. CAN YOU HEAR ME NOW? DOES ULTRASONIC CALL STRUCTURE IMPACT MATERNAL BEHAVIOR IN PET-1 DEFICIENT MICE?: Pooja Padgaonkar and Dr. Jeffrey Erickson, Dept. of Biology, The College of New Jersey, Ewing, NJ
71. STUDYING CENTRAL RESPIRATORY RHYTHM USING THE ISOLATED BRAINSTEM/SPINAL CORD PREPARATION: Robert Myers and Dr. Jeffrey Erickson; Dept. of Biology, The College of New Jersey, Ewing, NJ
72. PRECURSOR GABA CELL TRANSPLANTATION FOR TREATING INFLAMMATORY PERIPHERAL NEUROPATHY: Traci-Lin Goddin, Shefkate Bakiu and Dr. Jeung Woon Lee; Dept. of Biology, William Paterson University of New Jersey, Wayne, NJ

73. EFFECT OF HIGH LIGHT INTENSITY ON THE GROWTH OF THE FLORIDA RED TIDE DINOFLAGELLATE, KARENIA BREVIS: Unnati Chauhan and Dr. Emily Monroe; Dept. of Biology, William Paterson University of New Jersey, Wayne, NJ
74. THE ADRENAL GLANDS ROLE IN MEDIATING ASD CHILDREN'S PAIN RESPONSE AS MODELED IN BRBT T+tf/J MICE: Rebecca Atencio, Christina Carosella, Erin Connor, Norman Schanz, Dr. Robert Benno and Dr. Jeung Woon Lee; Dept. of Biology, William Paterson University of New Jersey, Wayne, NJ
75. C.H.A.R.M.: Bianca Pineda and Dr. William Craelius; School of Engineering, Rutgers University, New Brunswick/Piscataway, NJ
76. IDENTIFYING REPRODUCTIVE CANDIDATE GENES BY SYNTENY MAPPING AND ANNOTATION OF ESTs FROM APOMICTIC PISTILS OF BUFFELGRASS (CENCHRUS CILLARIS): Victor Leon, Jermin Adrawy and Dr. Terry Kamps; Biology Department, New Jersey City University, Jersey City, NJ
77. DECREASED TUBULIN GLUTAMYLATION IMPAIRS MALE WORM FECUNDITY: Zach Barth and Dr. Nina Peel; Dept. of Biology, The College of New Jersey, Ewing, NJ
78. TUBULIN GLUTAMYLATION: POST-TRANSLATIONAL REGULATION OF MICROTUBULE SEVERING: Daniel Chawla, Ruchi Shah and Dr. Nina Peel, Dept. of Biology, The College of New Jersey, Ewing, NJ
79. INVESTIGATING TUBULIN GLUTAMYLATION BY KNOCKING OUT ALL TTLL: Jessica D. Lee And Dr. Nina Peel; Dept. of Biology, The College of New Jersey, Ewing, NJ
80. EVOLUTION OF TRAP-JAW MORPHOLOGY IN Ponerine ANTS: Robert Sutherland and Dr. Joseph Spagna; Dept. of Biology, William Paterson University of New Jersey, Wayne, NJ
81. EFFECTS OF TRICLOSAN ON RYANODINE RECEPTORS IN C. ELEGANS: Cassie Sauer and Dr. Edith Myers; Dept. of Biology & Allied Health Sciences, Fairleigh Dickinson University, Madison, NJ
82. UNDERSTANDING THE BIOLOGICAL ACTIVITY OF ALPHA- CITRULLINE, A NON-ESSENTIAL AMINO ACID, THROUGH STRUCTURAL STUDIES: Alessio Caruso, Dr. Francesco Caruso and Dr. Miriam Rossi, Dept. of Chemistry, Vassar College, Poughkeepsie, NY
83. CHLORINATION ACTIVITY IN COMMON GREENSHIELD LICHEN, Flavoparmelia Caperata: Marisa Dunigan, Ashley Pirovano and Dr. Alessandra Leri; Dept. of Natural Sciences & Mathematics, Marymount Manhattan College, New York, NY
84. AFFINITY PURIFICATION OF A ClpXP PROTEASE TRAP: Tatjana Von Rosen, Pauline Ngo and Dr. Celeste Peterson, Dept. of Biology, Suffolk University, Boston, MA

85. NATURAL ANTIMICROBIAL COMPOUNDS A NEW POSSIBILITY FROM A LOCAL ORNAMENTAL VINE: Ramya Ramkumar, Yeliz Inalman, Rebecca Nemeth, Michael Komstead, Kruti Balsara, Dr. Alice Benzecry and Dr. Ish Kumar; School of Natural Sciences, Fairleigh Dickinson University, Teaneck, NJ
86. CHANGES IN ORGANIC COMPOSITION OF PHYTOPLANKTON DETRITUS AS A RESULT OF OXIDATIVE DEGRADATION: Iris Platt, Kelsey Villafuerte and Dr. Alessandra Leri, Dept. of Natural Sciences, New York, NY
87. MONITORING CHANGES IN MICROORGANISM'S PROTEIN CONTENT AND FUNCTIONAL GROUPS UPON TREATMENT WITH A HEAVY METAL: Shreya Patel, Tyler Brescia, Samantha Pace, and Dr. Elmer-Rico Mojica, Dept. of Biology & Health Sciences and Dept. of Chemistry & Physical Sciences, Pace University, New York, NY
88. POTENTIAL USE OF BEE PROPOLIS AS AN ENVIRONMENTALLY FRIENDLY ANTIMICROBIAL AGENT: Nadina Horril and Dr. Elmer-Rico Mojica; Dept. of Biology & Health Sciences and Dept. of Chemistry & Physical Sciences, Pace University, New York, NY
89. NMR CHARACTERIZATION OF TRPV1: Kimberly Esguerra, Dr. Yufeng Wei and Dr. Sulie Chang ; Dept. of Biological Sciences and Dept. of Chemistry & Biochemistry, Seton Hall University, South Orange, NJ
90. ISOLATION AND CHARACTERIZATION OF BIOLOGICALLY ACTIVE COMPOUNDS FROM STREPTOMYCES STRAIN MTE4a: Meshkat Haque, Paola Estrada, Dr. Monica Trujillo and Dr. Akira Kawamura; Dept. of Chemistry & Biochemistry, Hunter College, New York, NY