

MANUSCRIPTS CONSIDERED FOR ECSC 2019 EXCELLENCE AWARDS

Title: **Xylem Conductivities of Primary, Secondary and Tertiary Veins of Plant Leaves**

First Author: Maya Carvalho-Evans

School: Manhattan College

Category: Botany

Title: **Performance of Accelerated Solvent Extraction in Comparison to Other Methods in the Extraction of Active Compounds from Bee Propolis**

First Author: Jozlyn Charland

School: Pace University

Category: Organic Chemistry

Title: **Exploring Interactions Between Chromatin and Essential Chromatin Remodeling Complex *in vivo***

First Author: Shereen Chaudhry

School: Manhattan College

Category: Chemistry/Biochemistry

Title: **Bark Formation for Five Columnar Cacti Species of Central Mexico**

First Author: Phillip Dombrowskiy

School: Manhattan College

Category: Botany

Title: **Differences in Depression and Anxiety Across the Breast Cancer Spectrum**

First Author: Kate Fike

School: John Carroll University

Category: Health Science

Title: **The Binding Capacity of Nanoceramics with Sulfa Drugs**

First Author: Gwen Iannone

School: Pace University
Category: Organic Chemistry

Title: **Machine Learning Programs Predict Saguaro Cactus Death**

First Author: Cole R. Johnson
School: Manhattan College
Category: Botany

Title: **Raman Spectroscopy of Different Metformin Tablets**
First Author: Elise Krupoff
School: Pace University
Category: Organic Chemistry

Title: **Effect of Radix Ginseng on Spatial Learning and Memory and Amelioration of Anxiety in Long-Evans Rats**

First Author: Isabella Lane
School: John Carroll University
Category: Experimental Psychology

Title: **Utilization of a Mouse Model of Sorsby Fundus Dystrophy to Study Macular Degeneration**

First Author: Allison Mancuso
School: John Carroll University
Category: Cell and Molecular Biology

Title: **Determination of the Temporal and Spatial Variation of *Giardia lamblia* in Ribbed Mussels (*Geukensia demissa*) Collected from Bronx, NY, 2017**

First Author: Alexa Marcazzo
School: Manhattan College
Category: Microbial Ecology/Public Health

Title: **Spines of Columnar Cacti from Central Mexico: Novel Changes in Relation to Stem Bark Coverages**

First Author: Catherine A. McDonough
School: Manhattan College
Category: Botany

Title: **Bark Coverages on Columnar Cacti from Central Mexico**

First Author: Catherine A. McDonough

School: Manhattan College

Category: Botany

Title: **Inducing a Phenotype in *bbs2*^{-/-} Zebrafish Larvae**

First Author: Viktoriya Partyka

School: John Carroll University

Category: Physiology

Title: **Predicting Bark Coverage on Saguaro Cacti (*Carnegiea gigantea*)**

First Author: Olivia Printy

School: Manhattan College

Category: Botany

Title: **Stem and Branch Growth Predicts Seed Yields of *Artemisia tridentata***

First Author: Claudia S. Ramirez

School: Manhattan College

Category: Botany

Title: **Quantifying Xylene Mixtures by Raman Spectroscopy**

First Author: Lauren Reilly

School: Pace University

Category: Organic Chemistry

Title: **Kratom as an Enhancer of Working Memory in Rats**

First Author: William Sweeney

School: John Carroll University

Category: Clinical/Counseling Psychology

Title: **Antioxidant Activity of Bee Propolis from Different Parts of the World**

First Author: Alexander Tielemans

School: Pace University

Category: Organic Chemistry

Title: **Xylem Conductivity in Stems of *Artemisia tridentata***

First Author: Victoria Webb

School: Manhattan College

Category: Botany

Title: **Raman Spectroscopic Analysis of Nitrile-Containing Compounds**

First Author: Lyric Wyan

School: Pace University

Category: Organic Chemistry