

Florybeth F. La Valle

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- Education:** University of Hawaii at Manoa, Honolulu, HI **08/2013 – Present**
PhD in Marine Biology **Expected 08/2018**
Advisor: Dr. Florence Thomas
- Iona College, New Rochelle, NY **Conferred 05/2009**
Bachelor of Science in **Biology - Environmental Science**, Minor in **Chemistry**
Cumulative GPA: **3.93** Science and Math GPA: **3.96**
- St. Stephen's International School, Rome, Italy **09/2001 - 06/2005**
International Baccalaureate (IB) Program in Science

Honors/Awards:

- **Valedictorian**, Iona College Class of 2009
- Logan Gold Medal for Excellence in Science **05/2009**
- Excellence in Student Research, Beta Beta Beta National Honor Society **04/2009**
- Delta Epsilon Sigma National Honor Society, Beta Beta Beta Honor Society **Inducted 2008**
- Presidential Scholarship (full-tuition): four consecutive years **2005-2009**
- Iona College Dean's List: Eight Consecutive Semesters **2005-2009**

Research Experience:

- **Research Assistant at the University of Hawaii at Manoa** **08/2013 – Present**
PI: Florence Thomas, Ph.D., Oceanography Department, University of Hawaii
Calibrated, deployed, and analyzed various marine sensors for chemical and physical parameters
Collected and prepared algae samples for isotope analysis
- **“An Ecological Assessment of *Phragmites australis* on the Mohonk Preserve.”** **06/2007 – 05/2009**
Faculty Mentor: Joseph Stabile, Ph.D., Chairperson of Biology Department, Iona College
Performed extensive flora and fauna research in the vicinity of and within the patches
Used GPS and GIS technology to survey patch area and density
- **“Analysis of Iron levels in Soil Samples using Atomic Absorption Spectroscopy.”** **03/2009 – 05/2009**
Faculty Mentor: Sunghee Lee, Ph.D., Department of Chemistry, Iona College
Searched for the correlation between iron levels and growth of *Phragmites australis*
- **“Assessment and Remediation Strategy on Duckweed Propagation on Glenwood Lake.”**
Faculty Mentor: Joseph Stabile, Ph.D., Chairperson of Biology Department, Iona College **09/2007–11/2007**
Monitored dissolve oxygen levels and water quality
Devised a remediation strategy and presented it to the Westchester, NY community, by which it was adopted
- **“Weather Record and Acid Precipitation Project at the Mohonk Preserve.”** **06/2007 – 08/2007**
Mentor: John Thompson, Ph.D., Natural Resources Specialist, Mohonk Preserve, New Paltz, NY
Monitored barometric pressure, precipitation, air temperature two times a day at the weather station Recorded
pH of precipitation and added results to yearly acid rain averages database
Sampled 8 springs and 3 lakes for water quality

Publications:

Boylan, James. La Valle, Florybeth. & Kang, Yourha. (2009). Determination of genetic relationships among populations of *Asclepias tuberosa* (Asclepiadaceae) Based on ISSR polymorphisms. BIOS. 80, p.25-34.

Resume: Florybeth F. La Valle

Teaching Experience:

The Ursuline School, New Rochelle, NY Middle School Science Teacher **08/2009– Present**

- Preparing Physical Science (6th grade), Life Science (7th grade), and Earth Science (8th grade) curriculums
- Adapting chemistry and biology-related labs to middle school students
- Employing techniques to maximize individual learning in a group environment
- Evaluating student progress
- Serving as an academic advisor

Private Tutor, NY **07/2009 – Present**

Tutored in Biology, Chemistry, Anatomy and Physiology, Microbiology, Calculus, Life Science, and Earth Science

Hostos Community College, New York, NY Teacher **07/2009 – 08/2009**

Taught introductory algebra, intermediate algebra, and geometry to students from diverse backgrounds, ranging from 17 to 50 years of age

Volunteer Work:

I C Green (Iona College's first environmental organization), Founder and President **11/2006 – 05/2009**

- Educated community on local and global environmental issues
- Spearheaded petition to mandate on campus recycling facilities
- Finalized decisions about events and projects, and represented organization at official campus gatherings

National Italian Association for the Fight Against AIDS, Volunteer Worker **06/2007 – 08/2007**

- Recruited company representatives to donate a total of 50,000 Euros
- Upgraded files, created power point presentations and bulletin boards and assisted with office duties

Skills: Licensed Scuba Diver (PADI Open Water Level); GPS, GIS; Effective science communicator to the media and the public; Microsoft Word, Excel, PowerPoint; Fluent in English, Italian, Tagalog, Proficient in French

Professional References:

Joseph Stabile, PhD

Associate Professor of Biology
Iona College Phone: (914) 633-2253 jstabile@iona.edu

Yourha Kang, PhD

Chairperson of Biology Department
Iona College
Phone: (914) 633-2260
ykang@iona.edu

Sunghee Lee, PhD

Chairperson of Chemistry Department
Iona College Phone: (914) 633-2638 slee@iona.edu