**Donielle Nolan**



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EDUCATION

**Current Ph.D. Student in Biosciences 2020 –** **2026**

George Mason University, Manassas, VA

Concentration in Biocomplexity and Evolutionary Biology

**M.S. in Agriculture & Life Sciences, GPA 3.91**

Virginia Tech, Blacksburg, VA **2016 -** **2018**

Concentration in Plant Science and Pest Management

**B.A. in Biology, GPA 3.6**

George Mason University, Fairfax, VA **2010 - 2014**

HONORS & AWARDS

Exemplary Community Partner Award **2019**

Grants for Presidents Park Greenhouse, $53,000 total **2014** – **2017**

Outstanding Community Partner Award **2017**

Impact Award, $200 **2015**

Team Excellence Award, Office of Sustainability **2015**

Scholarship for the Permaculture Design Certification Course, $400 **2012**

Provost Achievement Award, $750 **2011**

TEACHING EXPERIENCE

George Mason University,School of Integrative Studies, Humanities & Social Sciences

**Adjunct Faculty**

INTS 370–Sustainable Food Systems (6 credits) **Fall 2020**

INTS 210– Sustainable World (4 credits) **Spring 2020**

INTS 292– Leadership in Sustainability (1 credit) **Fall 2019**

INTS 210– Sustainable World (4 credits) **Spring & Fall 2019**

**Supervisor – 3,800+ volunteers, 80+ interns 2014 - Current**

Teach and lead volunteers, service learners and interns in greenhouse and gardens on campus, plus advising for student assignments and group grant projects for courses in:

**MGMT 495** – Social Entrepreneurship with Rashed Hasan

**EVPP 494** – Internship for Environmental Science & Policy

**INTS 210** – Sustainable World with Andrew Wingfield, Sharon Spradling, et al.

**EVPP 480** – Sustainability in Action with Dann Sklarew

**INTS 392** – Leadership in Sustainability with Andrew Wingfield

**INTS 490** – Internship for Environmental & Sustainability Studies

**NUTR 630** – Global Nutrition with Patricia Winter

**INTS 370** – Urban Agriculture with Kerri LeCharite

**COMM 433** – Environmental Communication with Kathy Rowan

**AVT 385** – EcoArt with Mark Cooley

**Guest Lecturer – Topics on Sustainable Food Systems 2017 - Current**

I have been invited to do hour-long lectures and collaborations

for several courses. Topics include organic growing methods,

explanation of GMO’s and transgenic crops, and the environmental

impacts of agriculture.

**EVPP 336** **–** Human Dimensions of the Environment with Susan Crate

**INTS 410** – Conservation Biology with Elizabeth Freeman

**GGS 307/507** – Sustainable Development with Maction Komwa

**TOUR 340** – Sustainable Tourism with Sue Slocum

**ECD 516** – Science & Math for Early Childhood Education with Carley Fisher-Maltese

**COMM 433 –** Environmental Communication with Kathy Rowan

RELATED EXPERIENCE

George Mason University, Office of Sustainability

**Sustainability Program Manager 2016 - Current**

* $53,000 total grant funds to design and install the Presidents Park Greenhouse hydroponics system and successful educational program.
* $33,000 annual revenue from year round sales of leafy greens, tomatoes and herbs.
* Manage 3 part-time staff, 28 interns and 1,000 volunteers each year, all operations, purchasing, troubleshooting, & pest management at the greenhouse and 2 gardens.
* Provide tours, lectures, research opportunities, project consulting, event coordination and assignment collaborations with many students, faculty and departments.

**Environmental Specialist 2015 -2016**

* Promoted after successfully starting the hydroponic greenhouse program.

**Greenhouse Coordinator 2014 -2015**

* Developed the hydroponic greenhouse program.

**Assistant Coordinator,** Permaculture Design Certification Course **2013-2014**

* Raised $1500 for student scholarships. Excelled at marketing, outreach and event logistics for 40 attendees at a weeklong workshop.

PUBLICATIONS AND PRESENTATIONS

Featured in Article:

***Honey bees and their honey could be a big help in solving police cases* 2022**

<https://phys.org/news/2022-01-honey-bees-big-police-cases.html>

Program Featured in Article:

***Greenhouse and Gardens program thriving despite COVID-19* 2021**

<https://www2.gmu.edu/news/2021-02/greenhouse-and-gardens-program-thriving-despite-covid-19>

Speaking at Virtual Seminar Series: ***Sustainable Agriculture Research***  **2020**

***on Mason’s Campus***

Department of Environmental Science and Policy, GMU

<https://science.gmu.edu/media/seminar-series-flyer-donielle-nolan-11132020>

Published Abstract as Mentor: ***Evaluating the Yield of Helianthus***  **2019**

***annuus Microgreens When Treated with Sodium Hypochlorite and***

***Other Factors*** 2019 Aspiring Scientists’ Summer Internship Program

<https://journals.gmu.edu/index.php/jssr/article/view/2665>

Published Master's Thesis: ***Effects of Seed Density and Other Factors***   **2019**

***on the Yield of Microgreens Grown Hydroponically on Burlap***

Donielle Nolan, Virginia Tech

<https://vtechworks.lib.vt.edu/handle/10919/86642>

Featured in Article: ***Seeds of Change, Cultivating the Next Crop of Food***   **2019**

***Systems Leaders***

4VA, GMU

<https://4va.gmu.edu/grants/seeds-of-change-cultivating-the-next-crop-of-food-systems-leaders/>

Presentation:***Greenhouse to Cafeteria* 2018**

Virginia Urban Agriculture Summit

Presentation:***Growing food sustainably*  2017**

TedX Tysons Salon at WeWork – Theme: Concrete Jungle <https://youtu.be/qucA_V_vX34>

Presentation:***Sustainable Urban Food Production* 2017**

Virginia Agriculture Summit at GMU Arlington – Breakthroughs and Overcoming Challenges in Urban Agriculture <https://vafb.swoogo.com/urbanag2017/91113>

Featured in Magazine:***Meet the Mason Nation: Doni Nolan* 2017**

George Mason University Spirit Magazine <https://spirit.gmu.edu/2017/08/meet-the-mason-nation-doni-nolan/>

Featured in Article:***Grow well-being this summer by volunteering at* 2017**

***Mason’s greenhouse and gardens***

George Mason University <http://wellbeing.gmu.edu/articles/10807>

Featured in Article: **Putting her green fingers to work** **2017**

George Mason University [https://www2.gmu.edu/focused-your-](https://www2.gmu.edu/focused-your-future/putting-her-green-fingers-work)

[*future/putting-her-green-fingers-work*](https://www2.gmu.edu/focused-your-future/putting-her-green-fingers-work)

Featured in Article:***Meet the budding hydroponic farmer feeding* 2017**

***George Mason University in Fairfax, Virginia***

City Farmer News <http://www.cityfarmer.info/2017/03/16/meet-the-budding-hydroponic-farmer-feeding-george-mason-university-in-fairfax-virginia/>

Featured in Article:***Volunteering on campus led to discovering her* 2017 *passion: farming***

George Mason University News

<https://www2.gmu.edu/news/389766?utm_source=facebook&utm_medium=newsdesk&utm_term=farming_0315&utm_content=buzz_mcclain&utm_campaign=FY17_facebook_031617>

Featured in Article:***Growing their own: Fundraiser launched to* 2017 *expand GMU fresh food production***

Fairfax Times <http://www.hortidaily.com/article/33178/US-(VA)->

[Biology-graduate-finds-her-calling-in-the-greenhouse](http://www.hortidaily.com/article/33178/US-(VA)-)

Featured in Article**: *Biology graduate finds her calling in the greenhouse* 2016**

Horti Daily <http://www.hortidaily.com/article/33178/US-(VA)-Biology-graduate-finds-her-calling-in-the-greenhouse>

ACADEMIC SERVICE

Aspiring Scientists Summer Internship Program (ASSIP) **2019-2021**

Mentor for ~6 interns every summer

**College of Science, GMU**

Envirothon Regional II Competition – Judge **2019**

**Virginia’s Soil & Water Conservation District**

Student Environmental Action Showcase – Host Table every Year **2015-2019**

**NoVA Outside**

STEAM Fair – Host Table every Year **2015-2019**

**Wakefield Forest Elementary**

REFERENCES

Dr. Lance Liotta, MD, PhD

Co-Director and Co-Founder of the Center for Applied Proteomics and Molecular Medicine, GMU [lliotta@gmu.edu](mailto:lliotta@gmu.edu) (703) 993-9444

Dr. Alessandra Luchini, PhD

Assistant Professor, Applied Proteomics and Molecular Medicine, GMU

[aluchini@gmu.edu](mailto:aluchini@gmu.edu) (703) 993-8945

Dr. Andrea Cobb, PhD

Director of Student Research and Internships, College of Science, GMU

[acobb4@gmu.edu](mailto:acobb4@gmu.edu) (703) 993-7058

Dr. Dann Sklarew, PhD

Professor, Environmental Science & Policy, GMU

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Dr. Holly Scoggins, PhD

Associate Professor, Department of Horticulture, Virginia Tech

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