

Dear BSA committee,

I was delighted to find your call for a reviewing editor board. It is a great opportunity to acquire valuable experience in reviewing papers and manuscripts. Also, since the Botanical society of America is one of the best scientific communities related to plant sciences in the world, I am even more excited about this call.

As a PhD candidate, I am generally focused on the ongoing research in the world, constantly keeping up with scientific literature in my areas of interest. Since I am considering joining academia for my future career, I have been interested in obtaining the necessary scientific writing skills throughout my education. Therefore, by regularly reading and reviewing related literature in order to proceed in my own research projects, I have gained the skills required for reviewing manuscripts and take this responsibility very seriously.

As a graduate student, I have the experience of reviewing and editing my peer's manuscripts, which enables me to use this experience to serve as a member of the editorial board. Furthermore, as a research assistant I have been assigned to research, analyze and write manuscripts on subjects other than my own project, consequently preparing me for new research topics used in the manuscripts that I will potentially be assigned as an editor. Additionally, between my master and doctorate studies, I spent a year as a research assistant immersing myself in the world of Biology by reading as many plant biology related research papers and textbooks as possible. My passion for reading biology-related topics underlies my love for this science, which along with my attention to detail has prepared me to do my best for this editorial position. Furthermore, I enjoy a collaborative environment, which leads to developing trusting, integrity and a positive attitude towards other members of the editorial board whenever needed. I look forward to being able to work closely with senior editors and production teams to achieve successful publication and propel readership.

I believe this opportunity that BSA have provided for post-doctoral researchers and PhD candidates will substantially benefit the next generation of biology-related scientists and on a higher level the whole scientific community in this country.

Please accept my enclosed CV, while a letter of recommendation was already sent to you by my adviser, Dr. Lisa Wallace.

Thank you for your time and consideration.

Thanking you,

**Mahboubeh Hosseinalizadeh Nobarinezhad**

PhD Candidate

Department of Biological Sciences

Mississippi State University

Research Scholar

Department of Biological Sciences

Old Dominion University

## **Biographical Sketch: Mahboubeh Hosseinalizadeh Nobarinezhad**

### **A. Professional Preparation**

- **PhD.** Biological Sciences, Mississippi State University, MS, USA, 2014-present
- **M.S.** Plant Systematics & Ecology, Alzahra University, Tehran, Iran, 2009-2012
- **B.S.** Animal Sciences, Kharazmi University, Tehran, Iran, 2003-2007

### **B. Appointments**

- **Research Scholar**, Old Dominion University, 2017-present
- **Research and Teaching assistant**, Mississippi State University, 2014-present
- **Coworker and Research assistant**, Department of Plant Biotechnology, National Institute of Genetic Engineering and Biotechnology (NIGEB), the research group on Citrus diseases and Citrus Canker, Tehran, Iran, 2012-2013
- **Research and lab assistant**, Alzahra University, 2010-2012

### **C. Products**

- **Nobarinezhad, M.H.**, Pakravan, M., Pahlevani, A (2018) “A biosystematic study of *Euphorbia* subg. *Chamaesyce* Raf. (Euphorbiaceae) in Iran”. (Accepted in March 2018 in *Phytotaxa*, no reference page yet)
- **Nobarinezhad, M.H.**, Pahlevani, A.H., Pakravan, M. (2011) “Morphological study of stipule, seed, cyathium’s glands and appendages in species of subg. *Chamaesyce* Raf. (*Euphorbia*, Euphorbiaceae) in Iran”. *Journal of Applied Biology* 24(2): 28-47.

### **Published Abstracts and Conference Presentations**

#### **ii. Most recent**

- **Nobarinezhad, M.H.** & Wallace LE. (2018) “Genetic variability among populations of *Chamaecrista fasciculata* (Fabaceae) occurs at small spatial scales in the Southeastern U.S.” 79th annual meeting of association of southeastern biologists (ASB) Myrtle beach, South Carolina 28-31 march 2018
- **Nobarinezhad, M.H.** & Wallace LE. (2016)” Genetic Structure in *Chamaecrista fasciculata* and its association with phenotypic variation”. Botany conference 2016, Savannah, Georgia July 28- Aug 3
- Wallace LE., **Nobarinezhad, M.H.**, Alford M., Baghai-Riding N., Fredrick M., McCook L., Sullivan H. (2016)”Digitization of Mississippi Herbarium Specimens Aids in Understanding Plant Diversity in the Southeast and Improves K-12 Education”. Botany conference 2016, Savannah, Georgia July 28- Aug 3.
- Wallace LE., Dorman HE. & **Nobarinezhad, M.H.** (2015)” Intraspecific variation and its importance to taxonomy of *Chamaecrista* in the Southeast. ”. Botany conference 2015, Edmonton, Alberta - July 25 – 29.
- **Nobarinezhad, M.H.**, Pakravan, M., Pahlevani, A.H., Tavassoli, A. “Chromosomal study of six species from subg. *Chamaesyce* Raf. (*Euphorbia*, Euphorbiaceae) in Iran”, 17th National and 5th International Iranian Biology Conference, Shahid Bahonar University of Kerman, Kerman, Iran 4-6 September 2012.

- **Nobarinezhad, M.H.**, Pakravan, M., Pahlevani. “Anatomical and Laticiferous study of eight species of subg. *Chamaesyce* Raf. (*Euphorbia*, Euphorbiaceae) in Iran”, National congress on medical plants, National network of research and technology for medicinal plants, Kish Island, Iran 16-17 May 2012.
- **Nobarinezhad, M.H.**, Pakravan, M., Pahlevani. “Study of pollen grains of Iranian species of subg. *Chamaesyce* Raf. (*Euphorbia*, Euphorbiaceae).”16th National and 4th International Conference of Biology, Ferdowsi University of Mashhad, Mashhad, Iran 14-16 September 2010.

#### **Grants and other awards**

- Genetic structure in *Chamaecrista fasciculata* (*Leguminosae*) compared to Its Rhizobia Symbionts. 2015 Biological faculty fund, Mississippi State University
- Genetic Structure in *Chamaecrista fasciculata* and its Association with Phenotypic Variation. 2016 A&S Graduate Student Travel Support, Mississippi State University
- Are there similar patterns of fine-scale genetic structure between host plants and their rhizobia symbionts? 2016 Zernickow Fund for Field Research, Mississippi State University

#### **D. Synergistic Activities**

Member of,

- Botanical Society of America (BSA)
- Association of Southeastern Biologists (ASB)
- Southern Appalachian Botanical Society (SABS)
- Biology Graduate Student Association, Mississippi State University (BGSA)



May 8, 2018

Dr. Theresa Culley  
Editor-in-Chief, *Applications in Plant Sciences*  
Department of Biological Sciences  
University of Cincinnati  
Cincinnati, OH 45221

Dear Dr. Culley:

I am writing to provide a letter of support for Ms. Mabi Hosseinalizadehnozarinezhad's application to the Reviewing Board for *Applications in Plant Sciences*. Mabi began as a graduate student in my lab in August, 2014 and advanced to PhD candidacy last spring. Although Mabi continues to be a student at Mississippi State University, I serve as her research advisor, and she works in my lab at Old Dominion University.

Mabi's dissertation research focuses on plant-microbe interactions, particularly those involving legumes and nitrogen fixing rhizobia. Briefly, the three major projects of Mabi's dissertation include an assessment of congruence between genetic structure in a plant host and its rhizobia symbionts across Mississippi, characterization of fine-scale structure of the legume host and symbionts to evaluate whether host genotype has a measurable effect on rhizobia community structure, and an assessment of fine-scale structure of other microbes in the rhizosphere of the host plant to test for potential interactions with other symbionts. Mabi's work should allow us to characterize plant-associated microbial community composition in soils and to evaluate biotic and abiotic factors that can influence the ecology and evolution of plant-microbe symbioses.

Mabi is utilizing several molecular genetic tools in her research, including plant microsatellite genotyping, Sanger sequencing of bacterial genes, and next generation sequencing of soil samples for bacteria and fungi. She would bring expertise in the development and use of microsatellite loci and plant symbioses, but would also be able to evaluate some manuscripts employing ecological techniques. Prior to joining my lab, she conducted plant systematics research using morphological data. Thus, she is familiar with herbarium practices and the analysis of plant morphological data.

Mabi is mature, dependable, and careful in her work. She has grown immensely in her professionalism and scientific understanding since starting in my lab four years ago. I believe she would be an effective Reviewing Editor for *Applications in Plant Sciences*, and I support her application.

Sincerely,

Lisa Wallace  
Associate Professor and J. Robert Stiffler Professor of Botany  
Biological Sciences

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