

Barbara A. Schmidt

<u>EDUCATION</u>	Pennsylvania Teaching Certification Program, Washington, DC Secondary Science	August 2007
	Lehigh University, Bethlehem, Pennsylvania Graduate courses in Chemical Engineering	December 1982
	The Pennsylvania State University, College of Science Bachelor of Science <i>Cum Laude</i> : GPA-3.42	May 1977
<u>PUBLICATIONS</u>	<u>Orchid Care: For the Hobbyist</u> (In Production) This book will cover topics that are pertinent for the experienced orchid grower, such as orchid physiology, showing orchids, mounting orchids, propagating orchids, and genus-specific care.	Current
	<u>Orchids Magazine</u> I am a writer for the American Orchid Society's <i>Orchids</i> magazine. Five of my articles have been published and six additional articles have been approved and are waiting publication	May 2018
	<u>Orchid Care: For the Beginner</u> This book is an easy to read introduction to orchid care for beginners. It provides basic information needed to keep orchids alive and get them to bloom again. This book was initially published in February 2016 and republished in full color in November 2019. It is currently for sale at multiple online vendors, as well as at Longwood Gardens, The New York Botanical Gardens and the Philadelphia International Flower Show.	Feb 2016 Nov 2019
<u>PRESENTATIONS/ CLASSES</u>	I am an instructor for the Northampton Area Community College, the New York Botanical Gardens, the U.S. Botanic Gardens, the Pennsylvania Horticulture Society, and the Smithsonian Associates Studio Arts Program where I teach orchid classes. In April of 2020, I created a 3-minute promotional video at the request of the Smithsonian Studio Arts Program.	2016-present
<u>EXPERIENCE</u>	<u>Chegg, Inc., Santa Clara, CA</u> Online Solutions Author and Tutor – provided solutions and explanations for textbook problems in chemistry, evolution, biology, microbiology, and environmental science	2010 – 2014
	<u>EnviroTech Engineering, Inc., Cherryville, PA</u> Owner of a small environmental consulting firm that specialized in water quality permits, testing, and data analysis.	1982 – 2014
	<u>Northampton Area School District, Northampton, PA</u> Full-time middle school substitute teacher teaching all subject areas, while being a preferred substitute for math and science.	2004 - 2010
	<u>PPL Corporation, Allentown, PA</u> <ul style="list-style-type: none">• Senior Project Scientist – worked at both a power plant and at the corporate offices and was responsible for reviewing and implementing state and federal environmental regulations, including permitting ash basins, water treatment plants, and sewage treatment plants• Prepared papers for and spoke at conferences, such as the Joint Power Conference	1979 - 1989

**OTHER
EXPERIENCE**

www.basorchidcare.com

I maintain an orchid care website which includes an orchid blog, orchid care tips, the volunteer programs I am involved with, as well as upcoming classes and author events.

2016-present

American Orchid Society Education Committee Vice-Chair

As part of the Education Committee, I have sponsored projects such as those discussed below. I am currently working on an online orchid class for youth and an AOS app for youth.

2019-present

**VOLUNTEER
WORK/
COMMUNITY
INVOLVEMENT**

AOS Youth Education Exhibit

This provides an avenue to expand the use of Educational Exhibit Certificate (EEC) display awards at affiliated orchid society shows while involving youth.

July 2020

AOS Quick Response Codes

I created Quick Response (QR) Codes for the orchid genera culture sheets found on the AOS website. These codes can be used as an educational and resource tool at orchid shows.

May 2020

Junior Orchid Show Webinar

On March 31, 2020, I did a webinar for AOS promoting the new Junior Orchid Show. This was a repeat of the presentation I gave at the October 2019 Townhall Meeting in Florida.

March 2020

PHS/AOS Junior Flower Show

I spear-headed a pilot project for the American Orchid Society (AOS) in collaboration with the Pennsylvania Horticulture Society's (PHS) Junior Flower Show. This pilot project ran at two schools in the Philadelphia area. I created educational materials for the students' science classes, conducted plant biology and orchid classes at each school, and distributed phalaenopsis orchids to the students to raise.

May 2018

Judy's Day at Cornell University Botanic Gardens

Judy's Day is an environmental educational family day provided free-of-charge to all elementary aged students in the Ithaca, New York area. I was asked to host a booth on the Orchidaceae Plant Family. I provided demonstrations, activities, educational materials, and small orchids for everyone.

September 2018

Northampton Area School District Strategic Planning Committee

I was involved in the renovations to an elementary school and curriculum changes to meet more stringent state educational standards.

2005-2010

Lehigh Elementary School PTA President and Volunteer

I volunteered for eleven years in varying roles, ending with two years as the PTA President.

1994-2005

**AWARDS
AND
ACHIEVEMENTS**

Philadelphia Flower Show

I won several awards in the Orchid Class, including two 1st place.

2003-present

The Chapel of Four Chaplains Award

I received this award for my volunteer work at Lehigh Elementary School.

2014

Publisher's Weekly Review

I received a very favorable review of my first book, Orchid Care: For the Beginner, in the July 18, 2016 edition.

2016