

# Nutmeg newsletter



C T S C C   M o n t h l y   C h a p t e r   M e e t i n g

**April 16, 2019**

Unilever Conference Center  
50 Commerce Drive  
Trumbull, CT 06611

Registration: 5:30 – 6:00 pm  
Dinner: 6:30 pm  
Speaker: 7:00 pm



## Beeswax: The Bee's Knees

### Registration

Online at [www.ctsc.org](http://www.ctsc.org)  
Email Cynthia at  
[cvalovich@zotos.com](mailto:cvalovich@zotos.com)

### Chapter Meeting Cost

SCC members: \$45  
Non-members: \$50  
Students and Unemployed: \$35

### Abstract

Honey bees and humans have had a relationship for over 10000 years, with organized beekeeping appearing in ancient Egypt and becoming widespread by 1500 BC. Early on, beeswax was used for waterproofing, adhesion, preservation, and in many art forms - including cosmetics. Today beeswax has been replaced in many industrial applications and processes, but its presence in the cosmetic world persists, notwithstanding the tests of time, market fluctuations, natural tragedies, and controversy. We will demonstrate why beeswax is still an indispensable raw material in the cosmetic industry, and what benefits it can offer in different areas of application. Whether your goal is to create a natural cosmetic product, tell a compelling marketing story or discover a unique chemistry, beeswax is worth exploring.



### Speaker

Belén Lemieux, Koster Keunen

Belén M. Lemieux is the Principal Research & Development Scientist at Koster Keunen, Inc. in Watertown, CT. Originally from Madrid, she earned an M. S. in Organic Chemistry from the University of Salamanca. She began her career in the construction materials industry until discovering a passion for the science of cosmetic formulations and the artistic angle involved. Ms. Lemieux has been an active product developer and researcher for over twelve years, recently focusing on beeswax and other waxes as cosmetic raw materials. Her most recent paper "To bee or not to bee" was published in HAPPI magazine, and her formulations have been featured in numerous industry publications and perform as instructive materials for Koster Keunen worldwide.



Thank you to our April  
meeting Sponsor!

## 2019 ELECTED OFFICERS:

### **Chairperson**

Susan Sperring  
Symrise  
ctscchair@gmail.com

### **Chair-Elect**

Jennifer Macary  
Henkel

### **Advisor**

Elizabeth Mycka  
Zotos International

### **Secretary | Website**

Nina Miotto  
Zotos International

### **Treasurer | Employment**

Tiffany Fielder  
Henkel

### **Sponsorship**

Ariel Vered  
Brenntag

### **Reservations**

Cynthia Valovich  
Zotos International

### **Hospitality**

Alex Rose  
Zotos International

### **Golf Outing**

Dan O'Neil  
Charkit

### **Newsletter**

Yingxia Wang  
Unilever

### **Chapter Liaison**

Michele Margherita  
Brenntag Specialties

## ***Letter from the Chair***

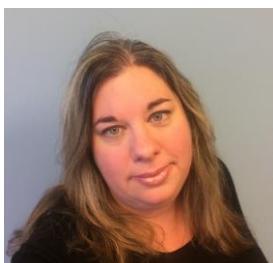
Happy Spring!!! I love this time of the year when the trees bud, the flowers start to bloom and you can finally walk outside again. Unfortunately along with the beautiful flowers comes pollen, stock up now if you are an allergy sufferer!

First I would like to extend my sincere appreciation to Dr. Dave Clay for giving a fantastic talk on SMART silicones. A special thank you also to Momentive Performance Materials who not only provided their expertise in the dinner talk, but who also very generously sponsored our March meeting. This month we return to Unilever where we will welcome Belén Lemieux who will be giving a talk "Beeswax: the bee's knees". A very special thank you to Brenntag, our April meeting sponsor.

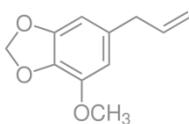
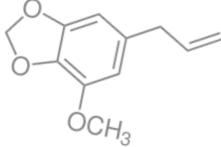
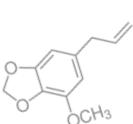
Please save the date, Monday, September 23<sup>rd</sup> for our annual golf outing at the beautiful Lakes of Isles golf course right outside of Foxwoods Casino. Please contact Dan O'Neill (doneill@charkit.com) if you are interested in sponsorship opportunities.

I want to send a BIG thank you to the entire board of the CTSCC. I am very happy to have such a terrific group of dedicated volunteers to help run this chapter. We are always looking for volunteers or suggestions on speakers, venues, social events, etc. If you are interested in volunteering for any positions, please speak to me or any of our dedicated board members.

We look forward to seeing you at our next meeting.



**Sue Sperring**  
2019 Chair, Connecticut Chapter  
Society of Cosmetic Chemists



## 2019 Annual Meeting CALL FOR PAPERS

*Topics below considered for presentation*

CBD  
Hair Care Innovations  
Color Cosmetics Innovations  
Beauty Devices  
Skin Care & Anti-Aging  
The Effects of Light  
Skin Microbiome  
Green/Sustainable Formulations

### Annual Meeting scheduled:

December 17-18, 2019  
Sheraton New York Times Square

**Mark your calendars!  
CTSCC 2019 Meeting Dates**

**April 16  
Summer Event – TBD  
September 17  
Golf Outing – Sept 23  
October 15  
November 19**

**Free networking opportunity to connect with local graduate students and industry professionals!**

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**JOINT ACS BREWERY TAKEOVER**

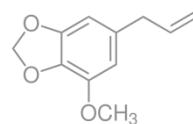
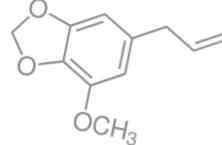
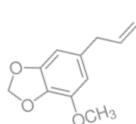
**WHERE?**  
  
ALTRUIST BREWING CO.  
559 MAIN ST.  
STURBRIDGE, MA 01518

**WHEN?**  
SATURDAY,  
MAY 18TH, 2019  
10:00AM - 2:00PM

**• NETWORKING!  
• RAFFLE PRIZES!  
(BRING YOUR BUSINESS CARDS!)**

**WITH GUEST SPEAKERS FROM:**  
• LambdaVision  
• Moderna  
• Phytos  
• ProVerde Laboratories

**FOR UPDATES + REGISTRATION:**  
[WWW.ACSTAKEOVER.EVENTBRITE.COM](http://WWW.ACSTAKEOVER.EVENTBRITE.COM)



## Education Corner



### University Cosmetic Science Programs

*Author: Steve Herman*

Do you know how many university level cosmetic science programs exist? Do you know what makes each of them unique, and the type of research they do? Do you even know what constitutes an education in cosmetic science? In 1948, Dr. Curt P. Wimmer described his long-term efforts "to offer special courses of instruction in the composition, manufacture, and action of toilet preparations given as extension courses in the form of evening classes in the Columbia University College of Pharmacy."<sup>1</sup> Dr. Wimmer saw cosmetic formulation evolve into a scientific discipline during his time as a teacher at Columbia University, but believed a comprehensive education in cosmetics would require an interdisciplinary approach involving pharmacy and chemistry. In 2019, cosmetic science continues to be divided between these two areas.



**FAIRLEIGH  
DICKINSON  
U N I V E R S I T Y**

In the early 1980s, Fairleigh Dickinson University established what may have been the first degree program in cosmetic science, not merely a course or two added to the curriculum of the pharmacy school. The required courses and electives were determined in close cooperation with the NYSCC. Dr. Salvatore Gimelli of Fairleigh Dickinson University and David Steinberg of the NYSCC were responsible for the development of the program. Fairleigh Dickinson University began by offering an M.A. in Cosmetic Science, but that has since evolved into an M.S. in Cosmetic Science. The strength of Fairleigh Dickinson University's program lies in its close ties to the NYSCC, its proximity to the center of the cosmetic and fragrance industry in Northern New Jersey, and its strong core of adjunct professors who combine abstract knowledge with practical industry experience.<sup>2</sup>

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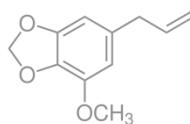
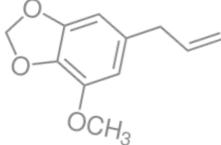
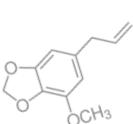
**MMP** continues to develop and manufacture specialty actives and customized raw materials for cosmetic innovation.

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*Michel Mercier  
Founder  
MMP, Inc.*

(originally published on the NYSCC Cosmetiscope Vol. 25 No. 3)

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## Education Corner

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Other cosmetic science programs have since been established, each with a unique set of offerings. The University of Cincinnati program is located within the James L. Winkle College of Pharmacy.<sup>3</sup> It offers an online M.S. in Cosmetic Science, an online Graduate Certificate in Cosmetic Science, on-site M.S. and Ph.D. degrees, and a B.S.-M.S. (4+1) program. The B.S.-M.S. dual degree program consists of a B.S. in Chemistry or Biology from the University of Cincinnati College of Arts & Sciences and an M.S. in Cosmetic Science from the James L. Winkle College of Pharmacy (the B.S. is on-site; the M.S. is online).



Rutgers University offers a Master's of Business and Science (MBS) degree, which requires students to take 24 credits in the sciences and 19 credits in business.<sup>4</sup> According to the program's website, "Students will learn the fundamentals and applications of personal care chemistry and formulation—including raw materials, bioactives, emulsions, hair biology, skin biology, and function—with opportunities to take courses in fragrances, regulatory affairs, sustainability, and colloid chemistry. Students will also develop skills in finance and accounting, marketing, communication and leadership, management of science and technology, ethics, and entrepreneurship."

(originally published on the NYSCC Cosmetiscope Vol. 25 No. 3)

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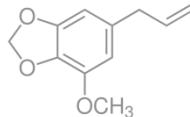
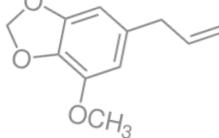
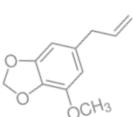
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## Education Corner

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The University of Toledo offers a B.S. in Pharmaceutical Sciences, Cosmetic Science, and Formulation Design.<sup>5</sup> It is the only dedicated undergraduate program in the field. Rounding out the opportunities available in the United States, The Fashion Institute of Technology offers a program in Cosmetics and Fragrance Marketing, and Long Island University provides students with the option of an M.S. in Pharmaceutics with specialization in Cosmetic Science.<sup>6,7</sup> Long Island University Hudson also has an online program with a cosmetic science focus.<sup>8</sup>

### References

1. C.P. Wimmer, Educational requirements of a cosmetic chemist, *J. Soc. Cosmet. Chem.*, 1, 210-213 (1948).
2. <https://view2.fdu.edu/academics/university-college/school-of-natural-sciences/academic-programs/msin-cosmetic-science/>
3. <https://pharmacy.uc.edu/program-information/graduate/cosmetic>
4. <https://mbs.rutgers.edu/program/personal-care-science>
5. [http://www.utoledo.edu/pharmacy/academic\\_programs/bspharmsciprograms/bspcs-cosmetic.html](http://www.utoledo.edu/pharmacy/academic_programs/bspharmsciprograms/bspcs-cosmetic.html)
6. <http://www.fitnyc.edu/cfm/index.php>
7. <http://liu.edu/Pharmacy/Academic-Programs/Graduate/MS-Pharmaceutics-CS>
8. <http://www.liu.edu/Hudson/Academics/Pharmaceutics>

## Supplier's Day 2019

NEW YORK Society of Cosmetic CHEMISTS

**SUPPLIERS' DAY**

*The Evolution of Beauty*

**SUPPLIERS' DAY 2019**  
...CELEBRATING 40 YEARS

MAY 7-8, 2019 | JACOB K. JAVITS CONVENTION CENTER | NEW YORK CITY

**EDUCATION COURSES  
COMING TO SUPPLIERS' DAY  
MAY 6, 2019**

Cosmetic Chemists Guide  
to Product Development

**ONEXTGEN**



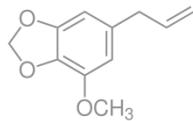
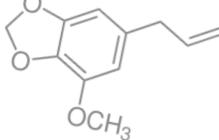
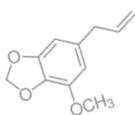
Skin Measurement Workshop



**Princeton**  
RESEARCH EDUCATION SERVICE

Lipids in Personal Care





## Upcoming Events

### April

16 – CTSCC Monthly Meeting (Trumbull, CT)

### May

7-8 – NYSCC – Supplier's Day (Javits Center, NYC)

18 – ACS Brewery Takeover (Sturbridge, MA) *see page 3*

### June

20 – New England 6<sup>th</sup> Annual Golf Outing (Sutton, MA)



### Volunteer with the CTSCC!

Consider volunteering for a committee position with the CTSCC, or recommending someone you know who may be interested.

Benefits include:

- Exposure to the national SCC organization
- Experience in a trade organization, suitable for adding to a resume
- Excellent networking opportunities
- A voice in future speakers and helping to decide the direction of the chapter

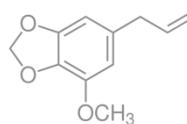
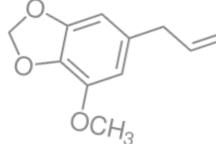
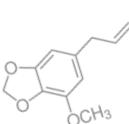
**Please contact any board or committee member with questions or for additional details!**

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## Connect with area professionals through the newsletter!

Do you have an **employment opportunity** in the Connecticut area or beyond?

Do you have a **technical article**, raw material insights, relevant writing, or other piece you'd like to share with the community?

Have you captured **photos** at CTSCC events?

Please contact Yingxia Wang to be featured in the newsletter ([yingxia.wang@unilever.com](mailto:yingxia.wang@unilever.com)).

Are you interested in supporting CTSCC with a newsletter **sponsorship**? Please contact Ariel Vered for more information ([avered@brenntag.com](mailto:avered@brenntag.com)).

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We are a chapter of the National Society of Cosmetic Chemists.

The National Organization is dedicated to the advancement of cosmetic science. The Society strives to increase and disseminate scientific information through meetings, continuing education courses and publications. For more information please make sure to visit our website: [www.ctsc.org](http://www.ctsc.org)