

Society of Cosmetic Chemists
Carolina Chapter

Mar 2019
Volume 116

JOIN US FOR OUR NEXT TECHNICAL SEMINAR!



One University Parkway
High Point, NC 27268

APRIL 25, 2019

AGENDA

REGISTRATION BEGINS 5:00-5:30
PRESENTATION 5:30-6:30
DINNER 6:30-7:30

REGISTRATION COST

SCC MEMBER \$45.00
NON-MEMBER \$50.00
STUDENT FREE

VISIT OUR WEBSITE TO REGISTER!

NEW COSMETIC INGREDIENT CONCEPTS IN ACTION

DR. ZOE DRAELOS

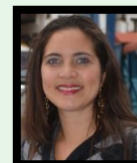
Many new concepts in skin science are driving cosmetic formulations. These concepts include the relationship between the skin microbiome and skin health, the value of stem cell preparations in anti-aging moisturizers, and the effect of environmental pollutants on skin appearance. This presentation will examine the science and possible cosmetic applications of these new concepts.

MEET OUR SPEAKER ON PAGE 3

2019 OFFICERS

Chair

Angie Paez
KOBO Products Inc.



Chair-Elect

Steve O'Connor
Innospec



Treasurer

Leslie Webb
Xytrus



Secretary

Samuel Cooper

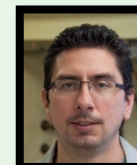


Area IV Directors

Michelle Linscott
Xytrus



Dennis Abbeduto
Colonial Chemical



Newsletter Editor

Leslie Webb
Xytrus
scccarolinas@gmail.com

Website Editor

Maggie Ghanem
Formulator Sample Shop

INSIDE THIS ISSUE

Letter from the Chair	2
Meet Our Speaker	3
Coming up soon.....	4
Hot Cosmetic Ingredients	5
National News	6

LETTER FROM THE CHAIR: ANGIE PAEZ

Dear Chapter Members,

I can't believe we are already in March, hope you are all having a great start to the New Year! Thank you for the opportunity to serve as your Chair for 2019. The other officers and I would like to thank all of you for your support in 2018 and we are grateful for each of you as we have started encountering your tremendous support in 2019. We look forward to seeing you at all of our upcoming events.

As part of 2019, I would like to encourage all of our chapter members to attend a career day at your local middle or high school to introduce Cosmetic Chemistry as a career option. If you are interested, please email me at scccarolinas@gmail.com and I will send you a presentation you can use during your visit. Afterwards, you can send us a picture at scccarolinas@gmail.com and the Chapter will cover your meeting fee for our annual November inaugural meeting scheduled for Thursday, November 21st.

Thank you to our first speaker of 2019, Shannon Hess, of Burts Bees as she kicked off our first meeting with her presentation on "Responsible Sourcing in Natural Cosmetics" on February 21st at the Aloft Downtown Durham. Just a few of the valuable topics discussed were audit standards to improve an organization, an overview of different agencies suppliers may use to achieve responsible sourcing, awareness of the complexity of sourcing raw materials, and basic information on ISO 16128. We received great feedback and hope to be able to have her speak to our chapter again in the near future.

For our second meeting on April 23rd in High Point, NC we are excited to announce our speaker will be world renowned clinical and research dermatologist Zoe Diana Draelos, MD. Dr. Draelos has a special interest in problems associated with the skin, hair, and nails, and we are looking forward to her sharing her expertise. Her presentation will be on "New Cosmetic Ingredient Concepts in Action"

Please mark your calendars as we look forward to an exciting year!



preBIULIN & BIOLIN/P prebiotics

Natural prebiotics that (re-)balance the skin's microbiota
Selectively supporting protective micro-organisms
Reduces the impact of harsh formulations on the skin

Ultra Chemical, Inc. - www.ultrachem.com - sales@ultrachem.com

RHEOLOGY TESTING SERVICES

www.rheologytestingservices.com



Supporting R&D thru Manufacturing

rheologytestingservices@gmail.com

Meet Our Speaker: Dr Zoe Draelos

Zoe Diana Draelos, MD, is a research and clinical board-certified dermatologist and a Fellow of the American Academy of Dermatology. She is in solo private practice in High Point, North Carolina, and a Consulting Professor of Dermatology at Duke University. In 1988, she founded Dermatology Consulting Services, PLLC, to initiate and perform research in aging skin, acne, rosacea, psoriasis, atopic dermatitis, actinic keratoses, eczema, and aesthetic procedures in the cosmetic, OTC drug, and pharmaceutical arenas. Prior to pursuing a medical career, Dr. Draelos completed an undergraduate degree in Mechanical Engineering and was elected a Rhodes Scholar. A member of Sigma Xi research honorary and Alpha Omega Alpha medical honorary, she is author of 14 books including Cosmetics in Dermatology and Hair Cosmetics and Cosmetic Dermatology: Products and Procedures, as well as the editor of Cosmeceuticals, now in its third edition and translated into 5 languages. She has contributed chapters to 38 textbooks, written 78 posters, served as the principle investigator on 621 studies, written 541 published papers, delivered 318 oral presentations, served on or contributed to 38 journal editorial boards, functioned as the editor-in-chief of the Journal of Cosmetic Dermatology for 10 years, and was a past member of the Board of Directors of the American Academy of Dermatology and the American Society for Dermatologic Surgery. She was Vice-President of the American Academy of Dermatology. She is recognized as a pioneer in cosmetic dermatology and received a lifetime achievement award from Health Beauty America for her research and the 2008 DermArts award for her contributions to dermatology. In 2010, she received the Albert Kligman Innovation Award and in 2016 she was awarded a Presidential Citation from the American Academy of Dermatology for her research contributions to advance the specialty. She received the prestigious Maison deNavarre award from the Society of Cosmetic Chemists for her contributions to the art and science of cosmetics in 2017.



INNOSPEC Provides

- Silicones
- Specialty surfactants
- Benzoate esters
- Guars
- Conditioning agents
- Dispersants

Contact us today:
888-633-8028

innospec
Touching Everyday Lives

KOBO

The Powder & Dispersion Specialist

Sunscreen Technology • Surface Treatments
Dispersions • Microspheres • Film Formers
Special Effect Pigments • Natural Ingredients
Delivery Systems • Custom Development
Global Manufacturing

**Innovation
Technology
Service**



Angie Paez - apaez@koboproductsinc.com
www.koboproducts.com

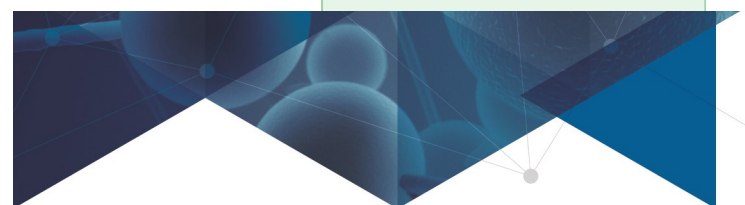
ACTIVES
INTERNATIONAL, L.L.C.

Born in Nature ~ Nurtured with Science

ViaPure® • ViaFerm®

High purity extracts & ferments
Natural & sustainable

201-236-2828
www.activesinternational.com



Innovation in Skin and Hair Care Actives

Kristie Hammontree

Sales Manager - Southeast Region

kristie.hammontree@chemyunion.com

Phone: 864 305 7902

chemyunion.com



SOCIETY OF COSMETIC CHEMISTS
CAROLINA CHAPTER

COMING UP SOON...

TWO DAY CEP COURSE

August 22-23, 2019

The Biltmore Estate

Asheville NC



BASIC SKIN SCIENCE AND ADVANCED SKIN SCIENCE

R. Randall Wickett Ph.D & K.P. Ananth Ph.D

COURSE OVERVIEW

Day 1: Basic Skin Science

This course is designed to provide a basic introduction to the structure and function of skin, skin measurement methods and some basic effects of skin care products for those new to the skin care field. It will also serve as detailed introduction to prepare students to study more advanced topics in skin care science presented in the Advanced Skin Science course.

Day 2: Advanced Skin Science

This Advanced Skin Science course will cover topics in skin biochemistry, biophysics and molecular biology. It is assumed that the student will already have basic knowledge of biochemistry and skin structure, function and physiology. It is designed to bring the Skin Care Scientist up to date on topic. The goal of the course is to bring the student up to date on skin research of importance to the cosmetic industry.

SPONSORSHIP OPPORTUNITIES

Silver, \$150.00

Recognition of sponsorship of the CEP course as well as registration desk.

Gold, \$350.00

Recognition of sponsorship of the CEP and lunch, as well as registration desk.

Platinum, \$600.00

Recognition of sponsorship of the CEP course, lunch, and wine tasting, as well as registration desk. Appearance and recognition on all event flyers, programs and special event newsletters.

MORE INFORMATION TO FOLLOW



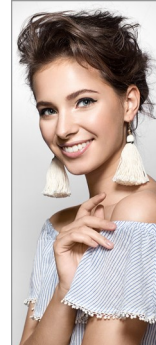
Matt Trotter, Technical Sales
mtrotter@orchidia.com | (678) 427-8997
www.orchidia.com

Introducing our **NEW**
100% BIO-BASED
ECO RANGE
of Surfactants



LEARN MORE

CRODA



Ei Essential
INGREDIENTS

Distributing
ingredients
from the finest
manufacturers

www.essentialingredients.com

Innovation
Comes
Naturally

kinetik
www.kinetiktech.com



The American
Chemical Company*

Emulsifiers-Emollients-
Thickeners-Solubilizers-
Surfactants-Dispersants
& 100% Naturally
Derived Products

Personalizing High Performing
Materials For Your Needs



Ethox.com

SOCIETY OF COSMETIC CHEMISTS

CAROLINA CHAPTER

HOT COSMETIC INGREDIENTS: CANNABIS DERIVATIVES

George Deckner

Some of the hottest, most talked about ingredients in cosmetics today are cannabis derivatives. Their use has evolved into a major skin care trend with numerous products marketed as oils, balms, creams, lotions, and facial serums. Unfortunately, there is a lot of confusion over cannabis derivatives related to their quality and what they legally can contain.



Cannabis-based products can be categorized as products for cosmetic/industrial application, or medicinal use and recreational drug use. These include hemp oil (low in Tetrahydrocannabinol (THC) and cannabidiol (CBD), CBD enriched oil (high in CBD), and marijuana/cannabis oil (THC enriched oils). THC is the psychoactive fraction of cannabis and CBD is the medicinal, non-psychoactive fraction

The cannabis plant belongs to the Cannabis genus of which there are three species; Indica, Sativa, and Ruderalis. Strains of Cannabis indica, Cannabis sativa, and hybrids of the two (e.g., Blue Dream, Cherry OG, and Kandy Kush) make up the majority grown for recreational drug use. Cannabis ruderalis is a wild species which is naturally low in THC (1,2). There are 483 known compounds in cannabis including at least 65 other cannabinoids. Hemp seed oil used in cosmetics contains very little CBD or THC.

Hemp seed oil is a clear, colorless liquid typically extracted from the seeds of industrial hemp. Industrial hemp Cannabis species that is high in fiber and low in THC. There are two types of industrial hemp, one grown to produce fiber for textiles and industry, and another used to produce hemp seeds for oil production.

CONTINUED ON PAGE 6

SOZIO

DEPUIS 1758

• Perfume your world •

Choose
your
Fragrances

Contact
 Bob Sansone
 Senior Account Manager
 RSansone@jesozio.com
 Phone: (+1) 470-330-7513

info@jesozio.com
 www.jesozio.com

Your source
for speciality
chemicals
worldwide

RITA

RITA Corporation
 850 South Route 31
 Crystal Lake,
 IL 60014 USA
 T 815.337.2500 or
 toll free 1.800.426.7759
 F 815.337.2522
www.ritacorp.com

Custom Essence
 The Essence of Fragrance

53 Veronica Avenue • Somerset, NJ 08873
 732.249.6405 • sales@customessence.com

McCullough & Associates

1.800.969.1606
www.mccanda.com

Providing Exceptional Sales & Service to the Personal Care Industry in the Southeast since 1968.

Active Ingredients	Polymers
Conditioning Agents	Preservatives
Emollients	Rheology Modifiers
Emulsifiers	Silicones & Emulsion Blends
Exfoliants	Solvents
Film Formers	Sunscreen Actives
Functional Additives	Surfactants
Micronized Powders	Vitamin Derivatives

HOT COSMETIC INGREDIENTS: CANNABIS DERIVATIVES George Deckner
HEMP OIL AND CBD COMPOSITION

Typical hemp seed oil contains <25 ppm of CBD however the flower extract can contain 4-8% CBD. Crude hemp seed oil is a greenish yellow color and is known for its nutty taste. It contains 75% unsaturated oils such as omega-3 and omega-6 in a 3:1 ratio respectively. Hemp oil is one of the few seed oils that contains both omega-6 and omega-3 and it possesses one of the highest concentrations of polyunsaturated fatty acids (PUFA) of all naturally occurring oils.

The refined oil has little flavor and has low levels of natural vitamins and antioxidants. Hemp oil is primarily used as an emollient in skin care products and in soaps, and shampoos. Industrially hemp seed oil is used in lubricants, paints, inks, fuel, and plastics (1,3).

CBD is a Cannabinoid first discovered in Cannabis extracts in 1940. CBD is produced from the flowers, leaves, and stalks of the Cannabis sativa plant. CBD accounts for up to 40% of the plant extract but does not contain THC (1). This extract is frequently diluted with hemp seed oil, olive oil, or other types of carrier oils. CBD enriched oil products are non-psychoactive and typically contain ~20% CBD (5).

How CBD impacts skin

In 2012, Israeli scientists identified more than 1,200 genes affected by CBD: 600 gene transcripts were upregulated by CBD and 524 were downregulated. CBD has also been shown to regulate the expression of 491 genes, 165 in skin (4,18).

CBD has been shown to activate both the cannabinoid and PPAR Gamma receptor in skin, which is probably responsible for its claimed skin benefits. Reported skin benefits include:

- improved moisturization
- improved skin barrier
- skin soothing/anti-inflammatory
- antipruritic
- Acne/oil control
- Psoriasis/Atopic Dermatitis (7, 14, 17,19)

HEMP REGULATION

Hemp oil is regulated as a cosmetic ingredient in most countries. Numerous cosmetic products on the market claim to contain CBD but generally list Cannabis Sativa Seed Oil on the label, which may or may not contain any CBD.

Canada and the European Union strictly regulate the THC levels of industrial hemp requiring it to be < 0.3% compared to levels of between 3 to 30% found in marijuana.

To produce industrial hemp in the United States, growers must obtain a permit from the Drug Enforcement Agency (DEA). In the US, 33 states have approved hemp cultivation for industrial use. The seeds normally contain around 30% oil but other plant parts are sometimes be used which can increase the CBD content.

CBD enhanced hemp oil is not federally legal, but it is currently being sold on the internet. CBD enhanced oil is legal in states that allow recreational and medicinal marijuana usage. Some states specifically only allow CBD oil use. Many states that allow medicinal CBD oil have restrictions that require the oil to have little to no THC.

Recently Congress passed The Hemp Farming Act of 2018 that would legalize the growth of hemp. The new bill defines industrial hemp as the plant Cannabis sativa L. and all derivatives, extracts, cannabinoids, isomers, acids, salts and salts of isomers" containing less than 0.3% THC. This in theory would allow for higher levels of CBD in hemp oil and cosmetic products.

Hemp Oil Suppliers include; Hallstar, Jedwards, Caribbean Natural Products Inc., Premier Specialties, International Cosmetic Science Centre A/S, Morre-Tec, Bio-cosmetic, and Making Cosmetics Inc.

<https://knowledge.ulprospector.com/9229/pcc-hot-cosmetic-ingredients-cannabis-derivatives/>



Custom[®]
INGREDIENTS, INC.
uniquely qualified for innovation

Custom[®] INGREDIENTS is a leading producer of innovative, sustainable, solutions for your formulations. With USDA Organic certified oils, natural ingredients, unique functional polymers, and non-traditional preservatives, we strive to produce creative specialty ingredients that fulfill your specialty needs.

custoblend.com
sales@custoblend.com
712 Wilson St
Chester, SC 29706
803-377-1213



SOPALTERIC CS
AT THE FOREFRONT OF BIO-BASED AND SUSTAINABLE SURFACTANTS

SCY

Make the change to 100% renewable carbon.

FOR MORE INFORMATION, VISIT
WWW.SOUTHERN-CHEMICAL.COM/GREEN



20 Years
Deveraux Specialties
est. 1998

ZinClear[®]
The Natural Choice In Sun Care

ZinClear XP[™] & ZinClear XP[™] 65COCO
Zinc Oxide Powder & Dispersion

- Transparent / Non-whitening
- Broad spectrum UVA/UVB protection
- ZnO 100% powder or ZnO 65% dispersion
- Suitable for all skin types
- Superior aesthetics
- Ecocert[®], COSMOS & NPA certified

12835 Arroyo St.
Sylmar, CA 91342
Phone: (818) 837-3700
paolo@deverauxspecialties.com
johanna@deverauxspecialties.com
info@DeverauxSpecialties.com

ANTARIA
an advanced materials world

zin clear IM **zin clear**

www.DeverauxSpecialties.com

NATIONAL NEWS



SUPPLIERS' DAY

The Evolution of Beauty

SUPPLIERS' DAY 2019
...CELEBRATING 40 YEARS

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

**CALL
FOR
PAPERS**



73rd Annual

**SCIENTIFIC MEETING &
TECHNOLOGY SHOWCASE**

December 17-18, 2019

Sheraton New York Times Square

20
Years
Deveraux Specialties
est. 1998

We've Got All Your Beauty Needs Covered

TC USA

ANTARIA
an advanced materials world

Akott
Evolution
RESEARCH & CREATIVITY

CLARIANT

12835 Arroyo St., Sylmar, CA 91342

Phone: 818 - 837 3700

Paolo Marchesi: paolo@deverauxspecialties.com

Joahna Gigliotti: joahna@deverauxspecialties.com

info@DeverauxSpecialties.com

Formulator Friendly®
It's not just our Trademark,
it's our commitment.



SILTECH

Siltech LLC
+1 678.442.0210
www.siltechpersonalcare.com