

COSMEGRAM

FEBRUARY 2019 • VOL 49 | ISSUE 2



society of
cosmetic chemists
CALIFORNIA

EDUCATIONAL HOUR



NATURAL COLORANTS IN COSMETICS

Nick Morante
Cosmetics Industry Consultant

Today's consumers are looking for as much "all-natural" as they can get their hands on. The beauty business is no different. And in the world of color cosmetics it is very difficult to formulate an all-natural product as many of the colorants are synthetic and many of those colorants are not approved for use in cosmetic applications – approved for use in foods but not cosmetics. This is true about many laws governing cosmetics in the United States.

...continued on page 3

DINNER HOUR



REDEFINING PLANT-BASED INGREDIENT PERFORMANCE

Ashraf Hossain
Business Scientist, Ingredion Inc.

Growth of nature-based hair care products has been outpacing the performance of the overall global hair care market for years, and manufacturers have been competing for market share where sulfate-free and paraben-free product launches are surging. Naturally-derived polymers based on carbohydrates, like cellulose and galactomannan, have been around for decades, but have reported issues with performance and clarity during formulation.

...continued on page 3

MEETING OVERVIEW

Date: Tuesday - Feb 26th, 2019
Location: Warner Center Marriott (Woodland Hills)
Menu: Chicken Breast, Mahi Mahi,
Vegetable Wellington

RESERVE NOW ►

Reservation Deadline: 5:00 pm Friday - Feb 22nd, 2019
Reservation Link: www.caliscc.org/events

5:00 pm: Educational Hour
6:00 pm: Social Hour
6:30 pm: Dinner Hour and Speaker

[Meeting Details on Page 2](#)

Prices increase after Reservation Deadline
No refunds after Reservation Deadline
Walk-in space is not guaranteed

MEETING DETAILS

LOCATION:

Warner Center Marriott (Woodland Hills)
21850 Oxnard Street
Woodland Hills, CA 91367
(818) 887-4800

COSTS:

- Members with reservations (\$40)
- Members without reservations (\$65)
- Non-members with reservations (\$65)
- Non-members without reservations (\$70)
- Emeritus members with reservations (FREE)
- Emeritus members without reservations (\$65)

MENU:

- Crispy Stuffed Chicken Breast
with spinach, fennel, sundried tomatoes, goat cheese, madera wine sauce, fresh herbs
- Blackened Mahi Mahi
with grilled tomato salsa
- Roasted Vegetable Wellington
in a San Marzano tomato sauce

RESERVATIONS:

The reservation pricing deadline is at 5pm on the Friday before the monthly meeting. Non-reservation pricing must be paid after this deadline. Reservations are not refundable after the reservation deadline. Please register and pay online at www.caliscc.org or call Sara Benoit at 714-521-5222 ext.141. Call-in registrations must be guaranteed with credit card and will be charged for no-show.

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EDUCATIONAL HOUR *...continued from page 1*

This talk will focus on natural colorants and what can and cannot be used in cosmetics, based on the law. It will also show what some companies are doing to meet consumer demand for natural products. Some of the information presented here may surprise some of you while some other information may not. But you should all find it most interesting, enlightening and entertaining.

ABOUT THE SPEAKER



Nick Morante is currently a consultant to the cosmetics industry. He has almost 40 years of experience in the formulation and development of decorative & color cosmetics and other makeup and emulsion-type products. He has spent 30 of those years at The Estée Lauder Companies where he has held various technical and managerial positions in Research and Development. Nick holds a Bachelor of Science Degree in Life Sciences from the New York Institute of Technology and has taken many continuing education courses in the cosmetics field. Nick has served as Area I Director as well as two terms as National Secretary of the United States Society of Cosmetic Chemists where he has held many other positions both on the local Chapter and National Executive Board levels and is a Fellow of the Society. He was on the COSA Committee and an instructor for the Society's (CEP) Continuing Education Program in the area of color and makeup formulation and is one of the Society's "Ask the Expert" panelists. Nick is also an adjunct faculty member at Long Island University School of Pharmacy. Prior to teaching at LIU, Nick was an adjunct instructor at Fairleigh Dickinson University's Master of Science Program in Cosmetic Sciences. He has appeared as an expert witness in numerous patent cases involving cosmetic products, ingredients, and processes. He holds patents in the color cosmetics market segment of the personal care industry and he has given numerous presentations in the area of color cosmetics formulation and color instrumentation to the SCC, CTFA, HBA/PCITX as well as other major scientific organizations. He has contributed numerous articles, editorials and has authored papers and chapters on numerous subjects in the cosmetic sciences for various notable scientific, industry and beauty publications, and also regularly contributed articles to www.specialchem4cosmetics.com website where he also taught their web e-courses.

DINNER HOUR *...continued from page 1*

However Ingredion now offers a solution that can fill this performance gap, with a patent-pending plant-based ingredient, helping formulators achieve the sensory, deposition, and conditioning performance that consumers need.

ABOUT THE SPEAKER



Ashraf is the Global Business Scientist for Beauty & Home Care at Ingredion, where he leads ingredient performance evaluation and formulation development. With more than 20 years of experience in the industry, Ashraf works closely with the R&D and marketing teams to optimize new product development. Prior to joining Ingredion, he worked at Unilever and Alberto Culver. He was the recipient of the Crane Award for his patent work in hair relaxation at Colomer Group (Revlon). He earned his bachelor's degree in polymer science from the University of Southern Mississippi with a research focus in personal care ingredients under Professor Robert Lochhead. At Ingredion, Ashraf is excited to continue providing plant-based, clean beauty solutions into the Beauty & Personal Care industry to meet customers' and consumers' current and future needs.

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Companies interested in providing in-depth technical information to their employees can contract an education day in a location of their choosing.

- ▶ **SOCIETY** covers the costs of booking the instructor and all of the instructor's traveling expenses (including hotel, flight, car, etc.)
- ▶ **COURSES** can be scheduled for 1 or 2 days on any topic of particular interest to the company
- ▶ **COMPANIES** can choose the instructor if they seek a specific knowledge expert

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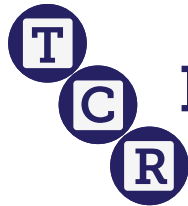
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HISTORIAN ARTICLE

TO CBD, OR NOT TO CBD: THAT IS THE QUESTION

By now, most are familiar with the questionable CBD (cannabidiol) craze slowly torching its way into our skincare realm. We have all heard the large range of benefits including anti-anxiety and antiinflammatory responses in markets ranging from ingestion to skincare. Over the 2018 holidays a present was delivered to the CBD market when President Trump signed the 2018 Farm Bill updates into law. With most agricultural distinctions being unwavering and mundane, the most thought-provoking surrounded CBD and hemp regulations.

Kendall Johnson



WHAT THE HECK IS THE FARM BILL?

The Farm Bill was last updated in 2014 bringing light to CBD and allowing farmers to cultivate hemp as part of a pilot program. With multiple restrictions around how much and why to protect hemp research, the introduction of more CBD products steamrolled into the market. The recent update to the 2018 Farm Bill is more expansive removing CBD from the Schedule 1 narcotics list. This gives CBD an identical classification as it would any other agricultural crop allowing cultivation and transport across state lines.

RESTRICTIONS, DUH.

Most formulators alike are dying to get our hands on this lipophilic beauty. With its potential anti-fungal, anti-microbial and UV protection properties, in addition to its wild market surge, it seems to be the new “sliced bread” of the research and development world. Of course we will not just zip by without restrictions. Hemp, CBD source, cannot contain THC levels of 0.3% or higher, any THC amount over 0.3% is considered Marijuana and is not protected under the 2018 Farm Bill Laws. While these new regulations are a win for the USDA, each state is still in full control of how they interpret this change. Idaho, South Dakota and Nebraska consider all products containing CBD, even below 0.3%, completely illegal across the board and most likely will not acknowledge the new Farm Bill changes, but who knows people surprise you. 10 states have legalized all types of CBD and Marijuana, obviously our home state of California being one of them. Each individual state has their own intricate nuances surrounding CBD legalization.

SO ?

What happens now? Well, the rest of the country’s FOMO (Fear Of Missing Out) for less restricted markets such as California and Colorado has not completely subsided, but could be one step closer to exploding into the CBD market. Stay tuned for CBD to be rolling into our labs and facilities in the near future.



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NEW MEMBER SPOTLIGHT

JANE TSUI : R&D CHEMIST/SRC LABS

INTERVIEW:

1) Where is your hometown?

My home town is Newport coast, California

2) Where did you do your university studies? What was your major and why did you pick that field?

I got my B.S in Chemistry at University of California, Irvine! I chose chemistry because I wanted to go into formulation chemistry and one day start my own line of products.

3) How did you get into the personal care/cosmetics industry?

I entered the personal care industry when I got my first internship at HCT Packaging. It was such a great learning opportunity to see the amount of detail that goes into packaging. So many things you don't even think about.

4) How long have you been in the personal care industry?

I've been in this industry for about 4 months now.

5) Where do you currently work? What's your role?

I currently work at SRC Labs, Inc. I am a R&D chemist.

6) What's your biggest career accomplishment to date?

My biggest career accomplishment up to date is being able to see so many different perspectives on how a product goes from an idea to the store shelf. I feel very lucky to have experienced and talked to people from different parts of the industry.

7) What is your least favorite part of your job?

My least favorite part of the job is when a formulation doesn't stabilize. It gets so frustrating!

8) If work wasn't an issue and you could go anywhere, where would it be?

I would be traveling the world to learn about how different cultures use cosmetics in their daily routine. Also eating a lot. I'd probably start in Europe first.

9) What is your favorite activity outside of work?

My favorite activity outside of work is photography and being a make up artist. I love having a creative outlet after being so technical all day at work

10) What advice would you give young scientists entering the personal care industry? Is there something you wish you had known when you were starting out?

My advice would be to take any opportunity to step foot into the industry— even if that means doing something you're not super interested in. After getting that foot in the door, your network of people will be endless and you'll be able to find the right job in no time! Also signing up for SCC, BIW, or CEW is a great way to make new connections and talk to people who are just as passionate about being in this industry.





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REGULATORY ARTICLE

HOW DOES BRAZIL AFFECT ME?

For companies wanting to grow, being aware of the laws enacted in the major markets – EU, Canada, Japan, etc. is a necessity. What you may not be aware of right now could have a major impact on your company's growth potential as your company looks to expand its markets beyond the US. In many cases, it's what you are not aware of that can upend the profitability of a product once you start selling it internationally. One of those impactful laws was recently enacted in Brazil and my guess is that most of our members have never heard about it.

A Biodiversity Law went into effect in Brazil on November 16, 2015, that was aimed at protecting the genetic heritage of Brazil. Brazil's rainforests and natural resources have been decimated to the detriment of the local population, so in an attempt to protect Brazil's people and its resources, as well as attempt to bring the benefits of the use of this genetic heritage back to Brazil, it enacted this law. The law includes all species of living beings, except humans. Animals, plants, microorganisms, viruses, algae, fungi, etc. are covered.

This law imposes fees on the use of ingredients that were derived from Brazil's genetic heritage – think Acai, Guarana, Camu Camu, or potentially the fragrance you are using. If you export a product to Brazil containing an ingredient that would fall under this law, you will be liable for fees. Even if you used a 3rd party distributor in Brazil, you as the brand owner will have responsibility. If you use a 3rd party turnkey manufacturer, you'll need the manufacturer to provide a statement as to the genetic heritage of the raw materials used in the product.

Think you're covered if it is a synthetic ingredient? Think again. Even though an ingredient may be synthetic, one of the source components could have originally been sourced from Brazil. It is essential you check with your supplier prior to using the ingredient in your product. Request a statement on the traceability for all the ingredients you are using.

When you are looking at new products, now is the time to start requesting information on the ingredient in terms of its genetic origin. If it is registered in Brazil, there will be a registry number that can be provided. If not, then obtain the scientific name of all materials that make up the ingredient do see if that species originated from Brazil. If you can't make that determination, you'll need to consult an expert to review the origins of the species to determine if it was Brazil.

If you do have an ingredient that falls under the Law, you may be obligated to pay the fee or what is called the "Benefit-Sharing" obligation. This fee can be up to 1% of the net revenues from the product and includes worldwide net revenue.

So as your company ventures beyond the US, make sure you consult experts for each market. Many of you will rely on distributors to keep you informed of the local requirements. But it doesn't hurt to do some research ahead of time so that you can create products that minimize your exposure to additional legal requirements.



DAN KOLHOFF / DIRECTOR OF REGULATORY AFFAIRS, JOHN PAUL MITCHELL SYSTEMS

Dan Kolhoff is an attorney with 20 years' experience with consumer product companies, handling international development and regulatory affairs. He received his undergraduate degree from the University of California, Santa Barbara and his law degree from the John Marshall Law School in Chicago. Dan has worked at Herbalife, Nestle USA, Murad, and Guthy-Renker and currently oversees Regulatory Affairs for John Paul Mitchell Systems. The scope of products he has worked on includes cosmetics, OTCs, foods, supplements, medical devices and consumer products.

INFORMATION FOR AUTHORS

The JOURNAL OF COSMETIC SCIENCE publishes papers concerned with cosmetics or the sciences underlying cosmetics, as well as other papers of interest to SCC members. In particular, the journal welcomes papers concerned with cosmetics, cosmetic products, fragrances, their formulation and their effects in skin care or in overall consumer well-being, as well as papers relating to the sciences underlying cosmetics, such as human skin physiology, color physics, physical chemistry of colloids and emulsions, or psychological effects of olfaction in humans. Papers of interest to the cosmetic industry and to the understanding of the cosmetic markets are also welcome for publication. The Editorial Advisory Board is responsible for establishing policy and maintaining the Journal's high standards. The Editor relies on the advice of reviewers who are experts in the field in deciding whether a submission has sufficient scientific merit to warrant publication.



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- 1) L. E. Gaul and G. B. Underwood, Relation of dew point and barometric pressure to chapping of normal skin,). *J. Invest Dermatol*, 19, 9-19 (1952).

Book references are handled similarly and should include pertinent page numbers:

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Junior Membership - Available to persons who hold an appropriate undergraduate degree in science and who are pursuing a post graduate degree. Junior Members are entitled to all membership privileges, except that they may not vote or hold elected office within the Society or its Chapters. Half dues.

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Emeritus Membership - Any member who has reached the age of 65 years and who has been a dues paying member in good standing for 25 consecutive years may request to be nominated for transfer to Emeritus Membership status. Upon approval by the Board of Directors, such members shall be entitled to all privileges of a General Member for life, with exemption from payment of dues, except that they are not eligible for election as an Officer or Director within the Society.

Retired Membership - Any member who has retired from the cosmetic industry and is over 55 years of age, and has been a dues paying member in good standing for 15 years, may apply for Retired Membership status. Upon acceptance, Retired members are entitled to all privileges of a General Member, except that they may not hold elected office within the Society or its Chapters. Half dues.

Fellow Membership - General members who have achieved full maturity in the profession, as evidenced by a record of outstanding achievement and leadership may be elected a Fellow of the Society by the Board of Directors upon recommendation by the Fellow Certification Committee.

Honorary Membership - Granted by the Board of Directors to individuals for distinguished service to the Industry.

HOW TO BECOME AN SCC MEMBER?

Apply Online at www.sconline.org

- Or -

Download [Membership Application](#) and complete and submit to the National SCC office (address and fax on the application). Please contact [Tina Marie Lesko](#), Membership Chair, if you would like more information about becoming an SCC member.

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