



# NORTHERN HIGHLIGHTS

The SCC Ontario Chapter's Newsletter



January 2020

Volume XCI

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## SCC Ontario Chapter Meeting

*"Color Trends: Do you want to be the front-runner or follower?  
Understanding the Origin, Influences, and Development  
of today's colors"*

- Amy Marshall

**THURSDAY FEBRUARY 6th, 2020**

## PRE-REGISTER TO SAVE MONEY

If you prefer you can reserve a spot by email. Send us a note that you will be there. We will confirm receipt of your reservation. You can then either bring the payment with you or put it in the mail. Please make your reservation before the Monday prior to the meeting.

**Please note:**

**Should you register and not attend you will be invoiced the meeting fee.**

Students must have their payment in by Monday prior to the meeting. To make your reservation today contact **Rob** at:

[rob.castillo@univarsolutions.com](mailto:rob.castillo@univarsolutions.com) or by fax at (416) 740-2227 OR on-line at:

<http://sccevent.coffeecup.com/forms/sccregistration/>

# SCC Ontario Chapter Meeting

*“Color Trends: Do you want to be the front-runner or follower?  
Understanding the Origin, Influences, and Development of today’s colors”*

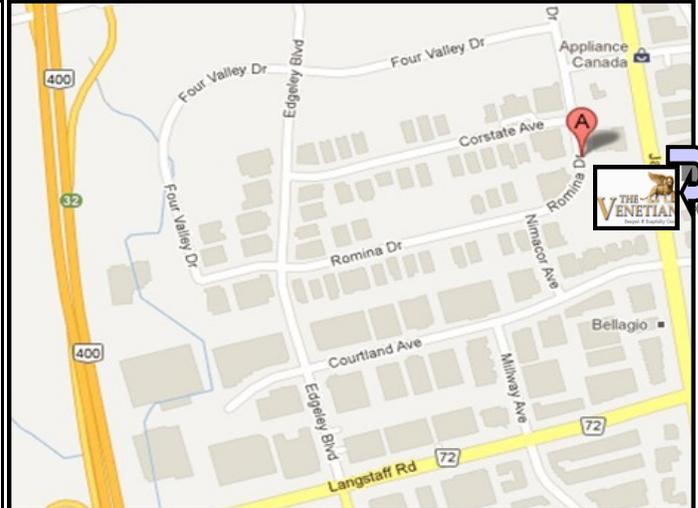
- Amy Marshall

**THURSDAY FEBRUARY 6th, 2020**

**Location:** The Venetian Banquet & Hospitality  
Centre 219 Romina Drive, City of  
Vaughan, ON, L4K 4V3  
(tel: 905-264-9960)

**Time:** 5:00 Cocktails  
6:00 Dinner  
7:00 Presentation  
8:00 Adjournment

**Fees:** \$45 pre-paid SCC member  
\$55 pre-paid non-member  
\$10 pre-paid student  
\$60 at the door



## Abstract :

Color. It’s more than a visual stimuli. From Tiffany’s light turquoise gift box to UPS’s big brown box trucks, color is the essence of iconic existence.

Join Amy as she explores the oft-times obscure external influence that sometimes drives the cosmetic industry, sometimes reacts to the industry, and always is present in reflecting or contrasting our industry. While most recognize the influence of a simple bridesmaid’s gown’s color on the choice of lipstick and eye shadow, most do not realize how automotive colors, furniture fabrics, fashion, paints and appliance impact both makeup’s colors and textures. Likewise, while, at some intrinsic level, we all are able to understand someone’s mood or personality by observing their bright red nail polish and lipstick from someone else’s black nail polish and lipstick, this conversation will explore the concept of the Mood Board in developing the trends of tomorrow.

The presentation will provide marketing and sales people with a historic perspective that will empower them to lead the market instead of reacting to it and for cosmetic chemists to initiate the process that may result in the next Big Thing.

## Bio:

Ms. Marshall started her career as a cosmetic formulating chemist prior to moving into sales. She trained new sales people, and developed and implemented strategies for opening new markets in the Americas.

Amy worked at Cardre Inc. and Presperse Inc., where she built a strong color presence for both companies. Her passion for creating unique, new colors that follow the current trends has resulted in product placement throughout the globe. Since joining ECKART in 2007, as Head of Sales, Ms. Marshall’s portfolio has grown to include Marketing Technical Services, where she identifies new markets, develops, implements and execute sales plans.

In 2015, Ms. Marshall became one of the first recipients to receive the SCC’s designation as a Marketing Fellow. She had held several positions within the SCC including National Secretary, Area I Director, and NYSCC Chapter Chair. She is currently the By-Laws and Special Events Coordinator Chair for the NYSCC.

Amy Marshall earned her Masters of Cosmetic Science from Fairleigh Dickinson University.

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**23RD ANNUAL  
HOLIDAY DINNER DANCE  
NOVEMBER 29TH, 2019**



This year's Holiday Dinner Dance again was the SCC entertainment hit of the year with 230 members and spouses attending! All were in good cheer as we started the evening with the ever popular Antipasto Table. Our DJ and singer **Matt Dean** returned again this year and he was a wonderful hit with the crowd. Attendees were treated to an exotic Latin dance show by **Latin Energy!** The Venetian Banquet Hall and Hospitality Center put together a delicious dinner that included Risotto with Asparagus, Veal Parmigiana & Scallop & Shrimp Embrace and ended the night with a sweets table that everyone really enjoyed. Each guest was greeted with a gift from the SCC at their table as well as a wonderful "facial mask" graciously donated by **Vicora Cosmeceuticals**. We would also like to thank all the companies listed below who generously donated gifts to the prize table!

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To see the full set of pictures of the evening visit <https://www.ontarioscc.org/flipdance2019/mobile/>

# Holiday Dinner Dance Toy Drive a Big Success!!!



The SCC Ontario executive committee is proud to announce that this year's 6th annual "Toy Mountain" toy drive at the Holiday Dinner Dance was even more successful than last year!!

Over 300 toys were collected from attendees for an extremely worthy cause. Members of the SCC Ontario organizing committee would like to extend their sincerest thanks to ALL guests who were able to bring gifts! Raffle tickets were given to all who participated which were entered into a draw where many prizes were given away, including a grand prize.



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# NOVEMBER 7th, 2019 MEETING RECAP

For our final meeting in 2019 was held on November 7th and we were pleased to welcome Marguerite O’Neal as our speaker for the evening. Her presentation topic was **“Finding Career Certainty During Disruption”**. Marguerite has developed **Creative Disruption** as a methodology to challenge and overcome conventional, status quo thinking that is pervasive in the pharma, cosmetics and other OTC industries. Through her discussion on Creative Disruption, attendees were given an opportunity to learn how to embrace what’s coming, create order from chaos and profit from the career possibilities that emerge. As Marguerite put it *“Leaders that accurately predict the future and adjust their strategy will leave a positive legacy to serve generations to come.”* Using a case study of a Disruptor (for example, Amazon), Marguerite brought to the SCC event a powerful mix of industry know-how and engaging, practical stories from her experiences.



Also that night we were pleased to welcome **Liz Streland** (2019 National Vice President-Elect) as our visiting officer who installed our Ontario Chapter Officers for 2020. Serving in the positions for this year are Saina Taidi (Chair), Shahin Kalantari (Chair Elect), Andrea Boylan (Secretary) and Rob Castillo. (Treasurer)



Congratulations to all and have a great 2020!



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# SCC Membership Dues Renewal

Renewal notices for 2020 were mailed out last year. Final  
were sent at the end of November. Dues fees are US\$150.00.

**Please note you can now  
renew ON-LINE! Go to [www.SCCOnline.org](http://www.SCCOnline.org)**

As a member your login is your email address on file and your password is your  
two initials in CAPS followed by your membership number.

Members who do not renew by  
December 31st will be made  
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## *A farewell from the chair...*



My term as the Chair of Ontario Chapter for 2019 has come to an end. The year has gone by so quickly and with just a blink of an eye we have entered a new year and a new decade.

2019 was a great year for the Ontario Chapter of the SCC. We have grown the membership to almost 290 members with a 10% increase over last year, 30% increase in membership over the last 3 years and 66% increase over 10 years. Thank you all for supporting us. We supported the Seneca College by awarding 2 scholarships to students from their Cosmetic Science Certificate Course, and we presented our speaker of the year award to Ben Schwartz of AAK for his full day seminar on the Chemistry of Lipids in September 2018.

We started the year with our first of 3 evening meetings in February. Tia Alkaz spoke about Rethinking Preservation and the use of Novel Antimicrobial Peptides as Natural Alternatives for Upholding Product Integrity. In May Laure-Anne Gillon gave us a talk titled When Algae Adaptations Benefits the Skin and in November Marguerite O'Neal talked to us about Finding Career Certainty During Disruption.

In addition to our 3 regular evening meetings we held many additional events. In March we hosted a Chemical Supply Chain Management Program for Cosmetic Regulations. In partnership with Responsible Distribution Canada we organized a one-day course to help all navigate the Cosmetic regulations in Canada. David Saucier led us through this topic and made regulations fun and interesting. In April we welcomed Seneca College Students, Faculty and their Families to present their Capstone projects. Paula Dumouchel-Clay also presented ideas on Time Management. In September we gave the stage to Joe Dallal to lead our Education Day seminar. Joe's talk on Skin & Hair Cosmetic Science: from basics to cutting edge was very well attended and as always extremely well received. The Education Day is always a highlight of our education platform.

And while we spent a lot of time on Education, we also had time to have some fun! We started the summer off with a member appreciation boat cruise in June. While the weather was not looking good all day, Mother Nature co-operated and rewarded us with clear skies and warm winds and the 60+ members had a wonderful time enjoying this free event with dinner, cocktails, good music and great views of the Toronto skyline. In July, we held our annual Golf Tournament with approximately 80 participants. The weather was perfect and everybody had a great time. Our Holiday Dinner Dance was held in November. It was a great evening where 230 members and spouses enjoyed the fabulous food and atmosphere at the Venetian Banquet Hall, music and performances by Matt Dean, dance performance by Latin Energy and all-around wonderful evening. Our annual Toy Drive to benefit the Salvation Army's Toy Mountain was held again during our Holiday Dinner and it was a great success. Through the generosity of all of you, we were able to collect over 300 toys to make Christmas a little better for many children. Thank you all for donating!

Starting a new year as Chair is always exciting and you always wonder if it will be a success. This year was a great success and I could not have done it alone. I send a great big thank you to the entire executive board. Thank you to all the volunteers for being there when we needed them and who helped out tirelessly throughout the year.

I am passing this job over to Saina Taidi (Chair) and Shahin Kalantari (Chair-Elect) who I am certain will do a great job. They can count on my assistance throughout the year, whenever it is needed. We have a wonderful year planned and I look forward to seeing you all at the events.

Thank you all for your continuous support of the Ontario Chapter.

*Dorothy Maraprossians*

Chair 2019, Ontario Chapter

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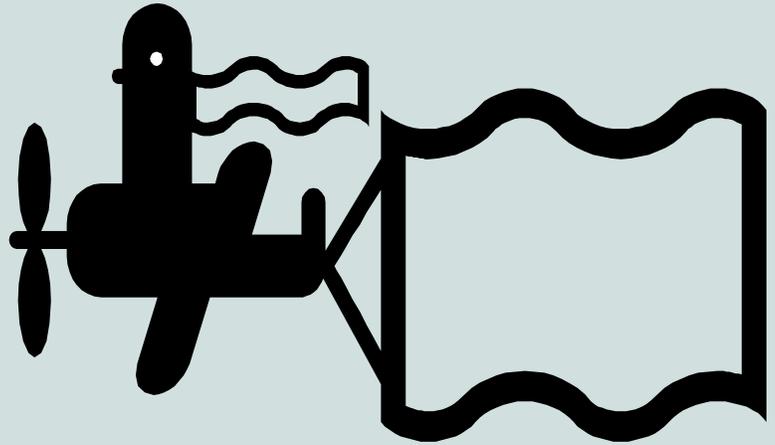
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## SURVEY SAYS...

Please keep an eye out for our “**post meeting**” opinion surveys following our Chapter meetings and special events. Each year the **Ontario Chapter** is privileged to host many fine speakers and we would like to recognize them for their efforts. Following each meeting attendees will receive a **very short survey** asking to rate the speaker. Responding gives you a chance to win a \$25 gift card!

At the end of the year we will tally the results and present one of them with an award as “**Speaker of the Year**”.

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# JOB SEARCH

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**Our Heritage:** Since Estée Lauder founded our Company in 1946 with four cosmetics products and unlimited dreams, we have grown virtually every year on the key principles she established: creativity, innovation and entrepreneurship. The Estée Lauder Companies are committed to building world-class brands by developing talented people. We champion a professional organization that emphasizes excellences at every level. Our people are our greatest asset and the success of our company is the result of the talent, passion, and vision of our creative and highly dedicated employees, who set a global standard for innovation, service and quality. The Canadian Supply Chain and Canadian Innovation Centre is at the core of that innovative spirit. (<http://www.elcompanies.com/who-we-are/the-lauder-family>)

**Our Culture & Values:** Our culture is often described as a rare mix of family values with a high-performing public company with a mission of "Bringing the best to everyone we touch and being the best in everything we do. This unique mix translates into a caring, collaborative and compassionate workplace that is also demanding – with a competitive spirit that is a powerful source of motivation. Above all else, there is a focus on long-term, sustainable growth which engenders loyalty and commitment from internal and external stakeholders. We are a values-driven organization. Our actions are rooted in the Lauder Family values of respect for the individual, uncompromising ethics and integrity, generosity of spirit and fearless persistence. Building on these core values we also abide by the following principles: <http://www.elcompanies.com/who-we-are/culture-and-values>.

To learn more about our unique corporate culture in Canada, please visit LinkedIn.

## **POSITION SUMMARY**

The Manager of Global Regulatory Affairs will be responsible for the management of the Canadian Regulatory Department to meet business objectives regarding new product and market launches, department resources, liaison with other internal departments, and planning resources for future activities.

### **Key areas of oversight include:**

- Global Product Registration
- Health Canada Site/Product Registration Requirements
- Regulatory Reviews/Ingredient Label Development
- R&D Collaboration
- Employee Management, Coaching and Development

### **BASIC QUALIFICATIONS:**

- Bachelors or Masters Science degree in a relevant scientific field (e.g. chemistry, biology, etc.)
- Post-graduate certification in Pharmaceutical Regulatory or Cosmetic Science an asset
- 10+ years' experience in Canadian Regulatory Affairs, including a thorough understanding of the Canadian *Food & Drugs Act* (experience with cosmetics, OTCs and/or NHPs preferred)
- Working knowledge of Health Canada Site and Establishment Licensing processes and API requirements an asset

**Must possess:** 5+ years' experience in people management - proven ability to mentor, coach and develop staff

- Strategic thinking, creative problem solving, decision making skills required
- Strong multi-tasking, prioritizing and organization skills required
- Excellent communication skills in English – verbal, written and presentation skills
- Ability to travel within Canada and US (5%)

Suitable applicants please contact [nbitton@estee.ca](mailto:nbitton@estee.ca)

# JOB SEARCH

## **Product Developer** Beauty and Dietary Supplement

eFemme Inc. is a Toronto based beauty and dietary supplement company that is currently working on extending and launching new product lines for Chinese market. With this growth, we are looking to bring on board a talented Product Developer that will participate the product development process. You will help to create and maintain vendor relationships (North America & China & South Korea) to ensure new products are pertinent and meet all regulations. As the perfect candidate for this role, you must have previous Skin Care, Dietary Supplement or Food experience and love the challenge of working in a lean, entrepreneurial environment. Must have experience with taking products from idea concept, prototyping, supply chain to market.

### **Responsibilities**

#### **Research & Analysis:**

- Support development of new product innovation strategies to support brand's strategic direction
- Research on new and innovative product ideas and ingredients
- Work with a creative team to brainstorm new product ideas/concepts
- Attend industrial conferences and seminars to stay informed of new product and packaging trends

#### **Product Development:**

- Support the development process of new formulas and line extensions in cosmetics and dietary supplements categories
- Collaborate with creative team and marketing specialist to generate new concepts and provide technical and cost assessments
- Communicate with suppliers/vendors to support the development process
- Work with related departments to ensure all projects are delivered oncost, on-spec, on-time
- Evaluate product submissions for texture, color, scent, function etc.
- Approve lab standards, test fills, pre/production batches
- Work with Regulatory/Compliance team in China for claim approval
- Obtain final ingredient list to key cross-functional teams
- (Regulatory/Compliance, Marketing, Innovation, Operations)

#### **Logistic and Shipment**

- Manage export process and arrange product shipment to China
- Collect export documents and ensure all requirements are fulfilled

#### **Desired Skills & Experience**

- Bachelor's degree from an accredited institution in Cosmetic Science, Food Science or related field
- Minimum of 3 years of Product Development and/or Research & Development experience within cosmetic, dietary supplement and food manufacturing industry
- Excellent time management skills with ability to prioritize and manage multiple tasks in a fast-paced environment
- Previous project management experience is preferred
- Ability to employ critical thinking and problem solving techniques to approach any/all issues
- Strong analytical skills and attention to details
- Be proactive and enthusiastic in approaching challenges with a solution-oriented mindset
- Excellent oral and written communications skills in English

**Job Type:** Full-time

**Experience:** Product Development: 3 years (Preferred)

**Language:** English (Required)

Mandarin/Korean an asset

If you are someone that is ideal for this position and have a passion to be part of a fast growing company, please submit your resume to [fei.y@efemme.com](mailto:fei.y@efemme.com)

# JOB SEARCH

## POSITION TITLE

**Application Chemist**

**Location: Brampton**

**Position Type: Full-time**

## Job purpose

The scope of the role would be to develop prototypes using a variety of materials from our Supplier partners as well as provide technical support to Customers and our Technical Sales Team. Become a fully integrated resource and add value to the business.

## Duties and responsibilities

- Formulate prototype samples using a variety of Suppliers materials to be used as promotional samples for our customers
- Make formulation recommendations that would reflect current industry trends and new raw material offerings
- Support the Business Development Manager in preparing marketing and technical data for presentations
- Source suitable raw materials from various suppliers for new product development
- Perform product and application related research as needed
- Provide technical support to our customers as needed
- Provide technical support to our Sales Team as needed
- Monitor and maintain our “Ask the Formulator” feature on our website
- Assist in organizing technical seminars for Customers and internal training for our Sale Team

## Requirements

- Bachelor's degree in a related scientific field is a minimum requirement
- Must also have a minimum of 8 years of formulation experience in the Personal Care Industry. This experience would include an in-depth and hands on knowledge of synthetic and natural thickening systems and extensive practical experience formulating with a variety of surfactant systems
- Must be functionally competent on computer systems and have the ability to summarize findings and recommendations
- Must have a working knowledge of Good Lab Practices (GMP) and have the ability to use and maintain laboratory equipment for standard chemical, biological and physical testing
- Must have good written and verbal communication skills

## APPLICATION PROCESS:

If you meet the eligibility requirements for this role and would like to be considered, please speak with Litsa Chagigiorgis, contact information below:

**Litsa Chagigiorgis**

**Litsa.Chagigiorgis@imcdca.com**

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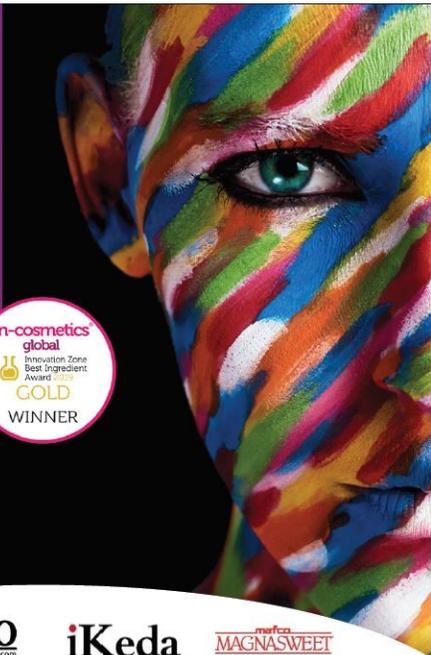


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## SCC ONTARIO EMAIL REGISTRATION

**Interested in receiving periodic emails to keep you up to date on your SCC Ontario Chapter, including newsletter notifications? If so please visit the following link to register your email address;**

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**Please note your email information will be used for SCC information purposes ONLY!**

## Programs and Privileges

**Journal** - Membership includes subscription to the Journal of Cosmetic Science, the Official Journal of the Society of Cosmetic Chemists. The Journal contains technical papers on topics of interest to cosmetic scientists and is distributed six times per year.

**Meetings & Seminars** - The Society holds its Annual Scientific Meeting each December and its Annual Scientific Seminar each May. The Meetings and Seminars provide a forum for an exchange of current findings and technology on topics of global interest in cosmetic science.



**Continuing Education Programs** - Our CEP Programs are short courses taught by practicing cosmetic scientists and perfumers, all acknowledged experts in their disciplines.

**Chapters** - Each member is assigned to one of seventeen Chapters throughout the United States and Canada, according to his or her geographic location. Chapters hold local scientific meetings throughout the year, and many publish their own newsletters.

**I.F.S.C.C.** - The Society of Cosmetic Chemists is one of 42 member organizations within the International Federation of Societies of Cosmetic Chemists.

# The Colorful History of Synthetic Organic Pigments Used in Color Cosmetics

by Kelly Dobos

Azo chemistry is one of the most widely used methods of making synthetic dyes and pigments. The term azo refers to a nitrogen double bond within the molecule. The discovery of nitrogen is attributed to Daniel Rutherford who was the first to isolate the gas and demonstrated that it was an asphyxiant and did not support combustion. Azo is abbreviation for azote, the name proposed by French chemist Antoine Lavoisier for the element nitrogen. Azote derives from the Greek a (not) and zoe (to live).

William Henry Perkin is credited with the discovery, albeit accidental, of the first synthetic organic dye called mauvine in 1856. The key to synthesis of mauvine was aniline, an aromatic amine. In the 1800s, the burning of coal became an important source of heat and light in many European and American cities. Burning of coal leaves behind a viscous, brown liquid that was called coal tar because it resembled the pine tar.

In failed experiments aimed at making quinine, Perkin created the bright purple dye from coal tar derived benzene. During a time when most fabric dyes were based on natural sources that were expensive to produce and highly variable in quality, Perkin patented the dye making process and promptly reigned from college in order to set up the business of manufacturing the dye.

Many new dyes were synthesized from aniline, eventually leading to the development of azo dyes. Synthetic organic pigments are sometimes referred to as coal tar dyes today, but the term is outdated as modern cosmetic dyes are prepared from petroleum distillates. Azo pigments account for most of the red, orange, and yellow pigments used in cosmetics including Red 6 and 7 Lakes.

A quick look at the FDA's reports on total pounds certified reveals Red 6 and 7 lakes are the most widely used. This is due to their bold hues, excellent economic value, and good stability properties. They are the two main colorants used to create bright red lipsticks and nail polish with Red 6 being a yellow-shade red and Red 7 a blue-shade.

*Article complements of <https://chemistscorner.com/>*

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## Address Changes??

Throughout the year many of our members change jobs or relocate and forget to notify the National Office. Without notification, these members may not receive important mailings and eventually are made inactive. If you know of someone who has moved, please ask them if they have contacted the National Office regarding their address change.

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**A COSMETIC SCIENTIST KNOWS** that “playtime” refers to the time it takes for a cosmetic product to absorb or be distributed on your skin, and that “payoff” is how intense the colour of a product transfers in one stroke. The Ontario Chapter of the Society of Cosmetic Chemists (SCC) has collaborated with Seneca to support Cosmetic Science students who understand these terms and can speak their language.

“We want to encourage people to come into the cosmetic science industry. When we were asked to help out, we jumped in with both feet,” says Dennis Zuccolin, SCC Academic Liaison and Fellow, Product Safety at Estée Lauder Companies. “It is a natural fit. A win-win.”

The Ontario SCC, part of the National Society of Cosmetic Chemists, brings together cosmetic professionals with a mission to further education and foster research for chemists, buyers and marketers. Chair



Dorothy Maraprossians (Business Manager, Personal Care at Azelis Canada), Zuccolin and other SCC members sit on the Cosmetic Science program’s advisory committee and were instrumental in launching the only graduate certificate program of its kind in Ontario.

“When Seneca said they had laboratory facilities, I knew it would work. Students could see what they were doing and not just learn in the classroom,” Zuccolin says. “There are a unique set of skills that you need to put together to go forward with cosmetic product development.”

Seneca’s Cosmetic Science program teaches the art, science and business principles for the development of cosmetic products. This program emphasizes chemistry concepts and

strategies from raw materials to finished products. Graduates go on to careers in cosmetic formulation chemistry, research and development chemistry, quality assurance or regulatory affairs.

In 2016, Ontario SCC established the Society of Cosmetic Chemists Award for students in the Cosmetic Science program. Recipients must demonstrate creativity, collaboration and teamwork in the lab and have a high GPA. Recently, the Ontario SCC expanded their support with a new bursary in the School of Biological Sciences and Applied Chemistry for students who use counselling and accessibility services.

“Cosmetic science isn’t all about the grades, it’s about the intangibles – creativity, resilience and teamwork,”

Maraprossians says. “Seneca students are versatile and eager and are well prepared for the complexity of the field.”

Their support does not end there. Both Maraprossians and Zuccolin have hired students for their work terms and have taken part in the program’s capstone project.

“With our gift, we are hoping that people will stay in the industry, become SCC members, pay it forward and mentor new students,” Zuccolin says. “They have a unique perspective.”

“Seeing the students succeed is really rewarding. It really comes full circle,” adds Maraprossians.

Pictured above: Dorothy Maraprossians and Dennis Zuccolin.



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## Why We Get Caffeine Withdrawal Headaches

Did You Know?

Caffeine interacts with a neurotransmitter- adenosine- receptors, inhibiting the functions that adenosine would normally activate- namely, sleepy feelings. One theory behind caffeine withdrawal headaches is that with time your body adjusts to a new base level of caffeine, and creates more adenosine receptors to compensate. This would explain why you stop feeling alert after only 1 cup of coffee in the mornings after a while and have to start having 2 or 3. It would also explain why your head hurts after skipping that coffee, as suddenly there are so many receptors available for binding that should be occupied by caffeine. While we're not entirely sure why caffeine withdrawal headaches occur, we can say with certainty that after stopping caffeine intake the brain's chemistry and electrical activity change. So perhaps your daily espresso is a bit more important than you realize.

Article complements of [www.mcgill.ca/oss/](http://www.mcgill.ca/oss/)



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## NEWSLETTER POSTING DATES FOR 2020

Here are the dates for 2020 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- ◆ January 9th
- ◆ February 18th
- ◆ April 30th
- ◆ August 27th
- ◆ October 8th



(or as close as we can get)

Should posting dates change throughout the year the most up to date list can be found at;

<http://www.ontarioscc.org/newsletters.htm>



## Presenters Welcome!!!



The SCC Ontario Chapter board is currently accepting submissions for presentations! Interested parties can submit a presentation abstract and a biography. Your talk may be accepted for either a Chapter meeting or Education Day.

Please send all enquiries to Andy Halasz (speaker coordinator) at

[bhalasz39@gmail.com](mailto:bhalasz39@gmail.com)

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## UPCOMING EVENTS

February 6th, 2020 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— <i>“Color Trends: Do you want to be the front-runner or follower? Understanding the Origin, Influences, and Development of today’s colors”</i> -Amy Marshall
March 10th, 2020 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
April 8th, 2020 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
May 28th, 2020 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— <i>“Retrospective and Update on the emergence and evolution of Hyaluronic Acid in skin care”</i> — Giuseppe Calloni
September 24th, 2020 The Venetian, Vaughan ON	Education Day
July 23rd, 2020 Caledon Woods Golf Club	20th Annual SCC Ontario Golf Tournament
November 5th, 2020 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
November 27th, 2020 The Venetian, Vaughan ON	Annual Holiday Dinner Dance
February 4th, 2021 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA



## ONTARIO CHAPTER SCHOLARSHIP PROGRAM SOCIETY FOR COSMETIC CHEMISTS

The support of Cosmetic Science Education and Research are central to the goals of the Society of Cosmetic Chemists (SCC). The Ontario Chapter has developed a Scholarship Program available to students planning to complete cosmetic science research in Canada. In the past, the \$1000.00 award has been presented to students from Seneca College, University of Toronto, University of Waterloo, University of Guelph and McMaster University. The program began in 2003 and over 20 students have received awards.

Interested students are invited to submit a brief one page outline to Dennis Zuccolin, Director of Scholarships at [dzuccoli@estee.ca](mailto:dzuccoli@estee.ca). The scholarship applications will be reviewed by the SCC Ontario Chapter Board members. Students awarded a scholarship can also apply for additional support (up to \$1000.00) to cover research and development costs, training and conference expenses.

The Ontario Chapter has supported the Seneca College Cosmetic Science Program and students by providing several scholarships. Students of the Seneca School of Biological Science and Applied Chemistry will also be supported with a new award starting in the current school year.

Successful scholarship and award candidates are encouraged to attend SCC meetings, volunteer at events, collaborate with members, prepare a poster presentation, write an article for the newsletter and make an oral presentation on their research at a chapter meeting.

## NORTHERN HIGHLIGHTS STAFF

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## MEMBERSHIP

For those who would like to become members, yearly fees are \$150 US. Applications are available from your Executive Committee or on-line at;

<http://www.sconline.org/membership/>

Please return the completed form at your convenience and reap the benefits of the SCC. For renewal memberships, please send payments directly to the SCC National Office. For your convenience, National will accept payment by **VISA, Mastercard or AMEX**. Please contact National for details.

### Presentation Library

Peruse our wide selection of presentations from previous meetings

<http://www.ontarioscc.org/presentations.htm>

### ATTENTION MEMBERS

**Unemployed and Emeritus members may continue to attend monthly meetings free of charge.**

**Please contact the registration booth upon arrival.**

**Unemployed membership is free of charge by submitting the renewal form with unemployment details.**

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# NORTHERN HIGHLIGHTS

The SCC Ontario Chapter's Newsletter



February 2020

Volume XCII

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## SCC Ontario Regulatory Day

"The Use of Cannabis in  
Topical Products"

**TUESDAY MARCH 10TH, 2020**

### PRE-REGISTER TO SAVE MONEY

If you prefer you can reserve a spot by email. Send us a note that you will be there. We will confirm receipt of your reservation. You can then either bring the payment with you or put it in the mail. Please make your reservation before the Monday prior to the meeting.

#### Please note:

**Should you register and not attend you will be invoiced the meeting fee.**

Students must have their payment in by Monday prior to the meeting. To make your reservation today contact **Rob** at:

[rob.castillo@univarsolutions.com](mailto:rob.castillo@univarsolutions.com) or by fax at (416) 740-2227 OR on-line at:

<http://sccevent.coffeecup.com/forms/sccregistration/>

# SCC Ontario Regulatory Day

TUESDAY MARCH 10TH, 2020

FREE FOR SCC MEMBERS (Pre-Registered)

Non-Members \$130 (Pre-Registered)

## Location:

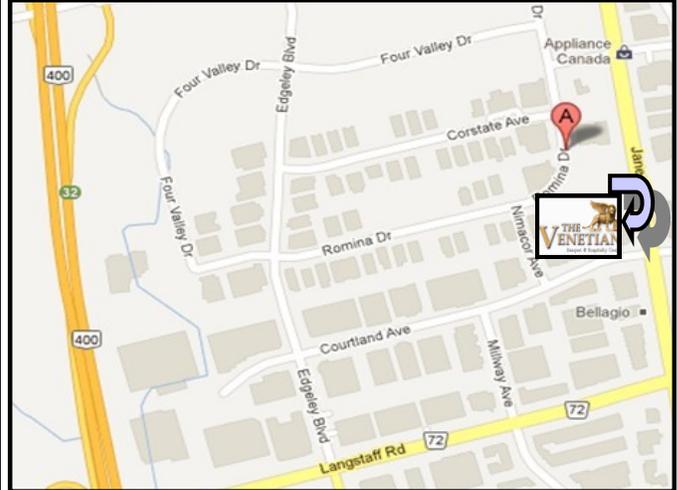
**The Venetian Banquet  
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**(tel: 905-264-9960)**

## Fees:

**FREE for SCC Members  
(Pre-Registered)**

**Non-Members \$100  
(Pre-Registered)**



## AGENDA FOR THE DAY

- |                     |   |
|---------------------|---|
| 9:00 am - 9:30 am   | Registration and continental breakfast  |
| 9:30 am - 10:30 am  | <b>Health Canada Update Session</b> <ul style="list-style-type: none"><li>• <b>“Cannabis Act and Regulations “</b>. <b>Benoit Sequin</b> – Associate Director of the Compliance Directorate in the Controlled Substance and Cannabis Branch</li></ul> |
| 10:30 am - 10:45 am | <b>Break</b>  |
| 10:45 am - 11:30 am | <ul style="list-style-type: none"><li>• <b>Magdalena Jurkiewicz</b>, - Senior Regulatory Policy and Risk Management Advisor at the Risk Management Bureau within Health Canada</li></ul>  |
| 11:30 am - 12:00 pm | <ul style="list-style-type: none"><li>• <b>Catherine Sullivan</b>—Regulatory Affairs Specialist, Healthy Environments and Consumer Safety Branch Health Canada</li></ul>  |
| 12:00 pm - 1:00 pm  | <b>Lunch</b>  |
| 1:00 pm - 2:15 pm   | <b>US Cannabis Update</b> <ul style="list-style-type: none"><li>• <b>Sharon A. Blinkoff</b>—Senior Council—Locke Lord, New York</li><li>• <b>Craig Weiss</b>—Consumer Product Testing Co.</li></ul>   |
| 2:15 pm - 2:30 pm   | <b>Break</b>  |
| 2:30 pm - 4:30 pm   | <ul style="list-style-type: none"><li>• <b>Dave Saucier</b> – Responsible Distribution Canada (RDC)</li></ul>   |
| 4:30 pm             | <b>Adjourn</b>  |

# SCC Ontario Regulatory Day Bios and Abstracts

## Abstract:

**“Cannabis Act and Regulations “.** This presentation will provide an overview of the Cannabis Act Framework, delving more specifically into licensing under the Cannabis Act, as well as the import and export of Cannabis by Licence Holders. The Associate Director of the Cannabis Compliance Directorate within the Controlled Substances and Cannabis Branch at Health Canada, Mr. Benoit Seguin, will also provide an in depth explanation of Compliance and Enforcement under the Cannabis Act and the policies that drive the key activities being conducted by the Compliance Directorate at Health Canada. The presentation will close with information about Cannabis Education and Awareness, as well as specific information regarding how CBD products are regulated by Cannabis Act.



## Bio:

### **Benoit P. Seguin, Associate Director of the Compliance Directorate in the Controlled Substance and Cannabis Branch**

Benoît P. Séguin is the Associate Director with the Compliance Directorate's Triage and Incidence Response Unit of the Controlled Substances and Cannabis Branch at Health Canada. His scientific experience within the government over the last 22 years has allowed him to contribute to multiple regulatory projects with national implications. Benoit joined the cannabis team portfolio in 2013 and was part of all regulatory changes on the cannabis file. His experience on this file covers various aspects from licensing to compliance and enforcement including the new product notices.

## Abstract:

Magdalena will be providing a brief presentation about requirements for cosmetics, more specifically, those related to the permitted hemp derivatives in cosmetics.

## Bio:

**Magdalena Jurkiewicz** is a Senior Regulatory Policy and Risk Management advisor in the Cosmetics Unit of the Risk Management within the Consumer and Hazardous Products Safety Directorate of Health Canada. Magdalena started her career at the Natural Health Products Directorate; she then moved to the Pest Management Regulatory Agency and then worked in Tobacco Research Unit. She joined the Cosmetics Unit in 2013, where she is responsible for policy development and regulatory advice regarding cosmetics. She was recently involved in organizing the Annual Meeting of the International Cooperation on Cosmetics Regulation, which is an international forum for cosmetics. She holds a Bachelor of Science in Biochemistry from McGill University in Montreal and a Masters in Science in Chemistry (Biochemistry option) from Université du Québec à Montréal.



## Abstract:

### **The New Substances Notification Regulations and the Cannabis Act**

This short presentation will provide an overview of the New Substances Notification Regulations under the Canadian Environmental Protection Act, 1999 and how they relate to the Cannabis Act. The Revised In-Commerce List as well as the definition of Naturally Occurring Substances will also be discussed.

## Bio:

**Catherine Sullivan** is a Regulatory Affairs Specialist in the Environmental Assessment Unit (EAU) of the New Substances Assessment and Control Bureau of Health Canada. After graduating from McGill University with a Masters Degree in Environmental Assessment, Catherine worked for the United Nations Environment Program in Geneva. She began her government career with the EAU in 2012. Catherine responds to industry inquiries, and conducts the regulatory screening of New Substances Notification packages, submitted for new substances in products regulated under the Food & Drugs Act.



**Abstract:**

While the Federal issues with respect to legality of Industrial Hemp were resolved by the passage of the 2018 Farm Bill. The Bill did not address the status of existing state laws that had already legalized medical Marijuana and recreational Marijuana. While the initial focus and basis for the illegality of these Cannabis materials under the Federal Controlled Substances Act, was THC and its hallucinogenic activity, the focus and public interest in the material became not the THC activity but rather Cannabidiol (CBD). The use of CBD's have been touted for a variety of medical conditions pain, anxiety, Alzheimer's, cancer multiple sclerosis, and at a more mundane level various skin maladies. Additionally these materials were being considered for inclusion in a variety of foods and beverages. The popular thinking has been that these natural ingredients provided significant medical benefits with limited or no risk because they were natural. Beyond the public interest there has also been tremendous market pressures for companies to introduce products with these materials based on projections of the Cannabis market.

Given the tremendous popular interest and Congressional demands for liberalization of the use of these Cannabis materials the FDA held a 7 hour public meeting and opened a public docket for comments last year so that stakeholders could express their positions and submit data and information on use of these Cannabis derived materials. To date the FDA has approved only three drug products that are based upon CBD's the most recent of which was Epidiolex , a treatment for childhood seizures that contained synthetic CBD's as the drug active. There are numerous other NDA's currently pending with the FDA seeking drug approval again based upon active Cannabis materials.

As a policy matter the FDA announced early on that it will maintain its science based approach to these cannabis materials in FDA regulated products. The FDA has also been proactive in informing both the public and state regulators of the risks that these "natural materials present". The FDA raised these concerns based on data that has been presented during its New Drug Application reviews of applications for use of these materials. The FDA has voiced significant concerns regarding the lack of control of the quality of these materials for content such as heavy metals and pesticides. The FDA noted concerns regarding the lack of quality and control in the manufacturing procedures used for these Cannabis containing products.

In its most recent statements issued last November in response to the FDA 7 hour public meeting, the FDA announced a series of significant health and safety concerns in the use of these CBD materials. Specifically identified were drug Interactions, the effects of cumulative exposures, and issues of reproductive toxicity. The FDA also confirmed that it would not permit the use of these materials as active drug ingredients without a separate FDA NDA approval. The FDA also reconfirmed that it was going to continue to prohibit use of these materials in dietary supplements. As to use in foods and food additives again the FDA has approved one industrial hemp product as a food additive which contained zero CBD's and was a well identified and substantiated for safety based upon the studies submitted with its Food Additive Petition. The FDA has not taken issue with use of use of some portions of the Hemp plant as foods which do not contain CBD's or THC's.

Included with the issuance of the statement the FDA released over 30 Warning letters sent to marketers of CBD and Hemp products. Numerous of these warning letters were sent to marketers of topical products that ran awful of the FDA requirements for cosmetics as they made drug claims.

In addition to limited approvals in the food area the FDA has also not precluded the use of these materials in cosmetics provided that the cosmetic product and most importantly the claims made conform to the FDA requirements for cosmetics. Namely that the product will not be injurious to users under directed or customary conditions of use, that it not contain any putrid or unsafe ingredients and that it be manufactured under sanitary conditions. Additionally the product claims cannot be false or misleading or claim to cure or mitigate a disease or change structure function.

The focus of our presentation will be to review the basic technical requirements for cosmetic safety requirements on both an ingredient and finished formula basis for these new materials including supplier information and validation. And some of the manufacturing controls that should be reconsidered for these materials.

Our presentation will also review separate state registration requirements and recent enforcement actions taken by the FDA and the states. And we will review various legislative proposals which have been introduced in the U.S. Congress that may quickly change some of the FDA's positions and procedures in respect to these new materials.

**Bio:**

**Sharon A. Blinkoff—Senior Counsel**

Sharon Blinkoff represents manufacturers, marketers, and distributors of cosmetics, dietary supplements, over the counter drugs, and medical devices as well as beauty appliances and other consumer products and luxury goods. She regularly advises clients on compliance with the laws enforced by the FDA, CPSC, and the FTC, and obtaining FDA registrations and 510k premarket clearances.



For many years Sharon has played a leadership role in the Cosmetics and Personal Care Industry serving on the Board of Directors and as Corporate Secretary for the Independent Cosmetic Manufacturers and Distributors (ICMAD) Trade Association. Sharon, on behalf of ICMAD, has served as part of the industry negotiating team that met with representatives of the US FDA to develop a framework for new Cosmetic legislation. She has also been an active participant on behalf of the industry, by submitting comments on FDA's proposed changes to the OTC Monograph proceedings and the proposal to require IND's for cosmetic testing, as well as other regulatory proceedings both state and federal that impact on the Cosmetic and Personal Care industry.

**Bio:**

**Craig Weiss** received a B.S. in biology for Monmouth College, prior to arriving at Consumer Product Testing Co. Craig held technical positions at Del Laboratories, Norwich Eaton Pharmaceuticals (Proctor and Gamble) and Roxane Laboratories.



Craig began his career with Consumer Product Testing Co., Inc. as the Vice President of the Analytical Service Division, which was comprised of the Microbiology and Analytical Chemistry departments. The Analytical Services Division, offers such varied services as water system validations, cleaning validation, production environmental monitoring, analytical method development, method validation and routines analysis.

In 1993 Craig became a corporate Vice President and in 1999 he became the President of Consumer Product Testing Co., Inc.

Craig is active in many trade organizations and is a member of ICMAD's board of directors and is the chairman of its technical, regulatory committee. Craig is also a member of the SCC and PCPC serving on its Scientific Advisory Committee. Additionally, Craig sits on numerous international expert panels.

**Abstract:**

**Producing Cannabinoid Topicals**

Step by step process to comply with all legal requirements to produce cannabinoid topicals. Participants will understand their responsibilities under the Cannabis Act and Regulations, the Canadian Environmental Protection Act and the Hazardous Products Regulations.

**Bio:**

**Dave Saucier, Regional Director**

**Responsible Distribution Canada | Distribution Responsable Canada**

Dave is an accomplished senior executive with demonstrated success across the chemicals, ingredients, non-profit organization management, biotechnology, and data systems industries. Leveraging extensive experience in regulatory and government affairs for chemical companies. Dave is a valuable asset for start-up to midsized chemical, life sciences, distribution, cosmetic, pharmaceutical, technology, regulatory affairs, and government companies, that seek assistance with product launches, best business practices, and regulatory compliance. Dave's broad areas of expertise include product development, management, manufacturing, new business development and continuous improvement.



Throughout his executive career, Dave has held leadership positions with HDTS Chemicals Inc., Pachem Distribution Inc., and Responsible Distribution Canada. Dave currently holds the position of Regional Director of Responsible Distribution Canada. In a prior role as Director of Logistics and Operations with Pachem Distribution Inc., Dave proved instrumental in introducing good manufacturing practices (GMP) that enabled the organization to be approved for a Drug Establishment License from Health Canada.

Dave holds a Diploma in Coatings Technologies, from the Toronto Society of Coatings Technologies, as well as a Professional Purchaser Diploma from the Purchasing Management Association of Canada. Dave currently facilitates the Chemical Industry Regulatory Professional (CIRP) accreditation program for the Chemical Supply Chain Management program created by Responsible Distribution Canada.

Dave has earned a 5<sup>th</sup> Dan black belt and is also an accredited World Taekwondo International Referee (Kyorugi and Poomsae).

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# SCC Ontario Bonus April Meeting

*“Innovating for Sustainability”*

- Leah Sutton & Tara Ocenar

*And*

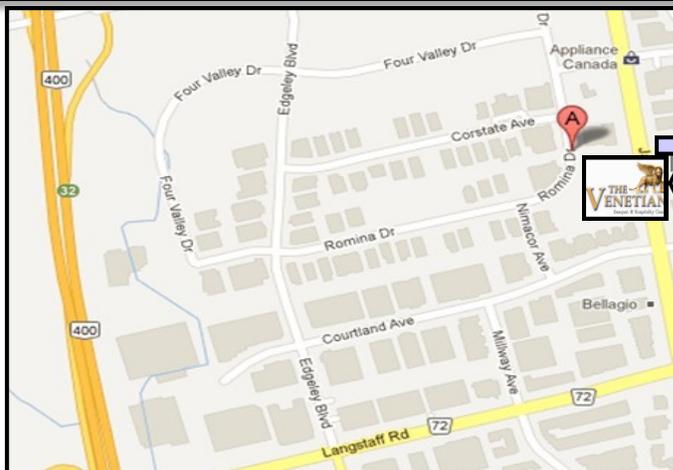
Seneca Capstone Project Presentations

**WEDNESDAY APRIL 8TH, 2020**

**Location:** The Venetian Banquet & Hospitality Centre 219 Romina Drive, City of Vaughan, ON, L4K 4V3

**Time:** 5:00 Cocktails  
6:00 Dinner  
7:00 Presentation  
8:00 Adjournment

**Fees:** \$45 pre-paid SCC member  
\$55 pre-paid non-member  
\$10 pre-paid student  
\$60 at the door



## Abstract :

As the consumer landscape is vastly changing, Leah and Tara will be talking about how companies within and adjacent to the personal care space are innovating for sustainability. How can companies stay on the cutting edge of innovation with formulations, packaging as well as make consumers feel good about making a purchase?

## Bio:

Leah Sutton & Tara Ocenar—Manager, Product Development at Estee Lauder Cosmetics.

Leah and Tara have very similar education and experience paths; they are both graduates of Pharmaceutical and Food Science Technology and started their careers within Estee Lauder in Quality Assurance, working as Colour Analysts. After gaining the valuable skill of shade matching all colour cosmetics, including knowing pigment and pearl nuances and effects, they both moved into Corporate Product Development. There, they continuously utilize their colour matching techniques for all categories and textures to support launches from the laboratory, pilot to massive production batches and finished goods. After over a decade of honing their skills in the beauty industry, Tara and Leah found they are able to strategically identify and monitor patterns and trends within the industry on a macro and micro level. Tara and Leah provide trend information to support R&D projects, deliver targeted visual data and ingredient/story direction for Brands to create new categories and expand on existing product attributes. Their breadth of trend identification and understanding the changing landscape of the personal care industry bridges creativity and innovation.

## SENECA CAPSTONE PRESENTATIONS

We will have 4 short presentations (approximately 5 minutes each) from the student groups. The four teams this year are presenting on the following;

- Team 1 - Hair Treatment
- Team 2 - SPF 30 Cream
- Team 3 - Makeup Remover
- Team 4 - Resurfacing Smart Skin Treatment

Each team is in the process of formulating their product, plan a media campaign, write SOPs, source their packaging, develop a marketing plan and check Regulatory for their area of sales. All teams are currently working on the formulations, have sourced their packaging and developed a marketing plan and will have the final product completed by the April 8th meeting.



## 2019 Speaker Survey Winners!

The SCC Ontario board would like to thank all those who responded to our "Speaker Survey" throughout 2019. We had a lot of great feedback and your input helps us shape the content for future technical meetings. Prior to the February 6th meeting a random draw took place. Those who entered the survey for each of the six 2019 speakers was eligible to win! We are happy to announce the winners for 2019 were; Taraneh Rangiantehrani, Valerie Manea, Kashif Mazhar, Rob Quinlan, Dorothy Maraprossians and Dennis Zuccolin. Each won a \$25 gift certificate. Congratulations to all and keep those comments coming for 2020...you could be one of this years winners!

### HISTORY OF OUR SOCIETY

Building a community and expanding knowledge for 75 years.

1945

Comprised of over 5,700 members, the Society of Cosmetic Chemists was founded in 1945 to promote high standards of practice in the cosmetic sciences. We serve as a focus and provide the proper forums for the exchange of ideas and new developments in cosmetic research and technology. Our leadership includes a long list of [past SCC Presidents](#) who have served the organization well over the years.



SCC Founding Father,  
Maison G. de Navarre

1948

Since 1948 Chapters have been the lifeblood of the Society of Cosmetic Chemists. We now have 19 Chapters throughout the United States and Canada, which conduct monthly meetings, educational seminars, suppliers' days and publish monthly newsletters. These Chapters are run by dedicated volunteers who lend their time and expertise to the smooth and efficient operation of each Chapter.

1999

At the turn of the century, our Society launched their first website with a mission to reach a larger audience while extending enhanced services to our membership. By digitizing our historic journals, we have an inventory of our evolutionary progress in developing new products based on sound standards.

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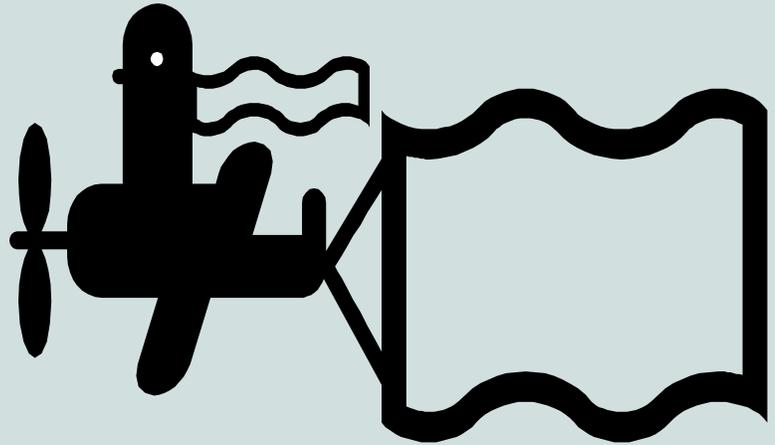
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## SURVEY SAYS...

Please keep an eye out for our “**post meeting**” opinion surveys following our Chapter meetings and special events. Each year the **Ontario Chapter** is privileged to host many fine speakers and we would like to recognize them for their efforts. Following each meeting attendees will receive a **very short survey** asking to rate the speaker. Responding gives you a chance to win a \$25 gift card!

At the end of the year we will tally the results and present one of them with an award as “**Speaker of the Year**”.



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# FEBRUARY 6TH MEETING RECAP



For our first meeting of 2020 held on February 6th we were very happy to host Ms. Amy Marshall from Eckart as our speaker. The topic for the evening was ***“Colors Trends: Do you want to be the front-runner or follower? Understanding colors Origin, Influences, and Development of today’s colors”*** and the typical February weather did not deter over 50 members from attending and enjoying the evening!

Amy discussed the oft-times obscure external influence that sometimes drives the cosmetic industry, sometimes reacts to the industry, and always is present in reflecting or contrasting our industry. As she put it, “...while most recognize the influence of a simple bridesmaid’s gown’s color on the choice of lipstick and eye shadow, most do not realize how automotive colors, furniture fabrics, fashion, paints and appliance impact both makeup’s colors and textures.”

The presentation provided marketing and sales people with a historic perspective that will empower them to lead the market instead of reacting to it and for cosmetic chemists to possibly initiate the process that may result in the next Big Thing.

Amy’s presentation can be downloaded here;

[https://www.ontarioscc.org/index\\_htm\\_files/presentationfeb62020.pdf](https://www.ontarioscc.org/index_htm_files/presentationfeb62020.pdf)



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## *A welcome from the chair...*

It is my absolute pleasure and privilege to serve as the Chair of the Society of Cosmetic Chemists (SCC), Ontario Chapter, for 2020.

At the SCC we do our best to create an environment to network as well as assist in the flow of information, ideas and also provide a platform for our professional community to receive the updates and training needed to leverage their career and their high quality of work.



I would like to take a moment and thank you all...especially for your acknowledgement and your support throughout these years of our society and the programs implemented by our professional family.

I am pleased to let you know that for this year, we will have many social events such as our golf tournament and holiday dinner dance and well as numerous educational events. We have already had our first technical meeting for the year held on February 6th with the topic being "Colors Trends: Do you want to be the front-runner or follower? We already have a lot of interest in our Regulatory Day coming up on March 10th where we will be hosting many speakers including some from Health Canada on the topic of "The Use of CBD's in Cosmetics". So as you can see we are well on our way for 2020 with a lot more to come! Moreover, we are looking into new ways to celebrate your presence and support at SCC. Stay tuned!

As your Chair, I will do my utmost to serve you with the visionary precision our organization deserves.

I wish you all a successful year where together we accomplish all this and more—working, enjoying, and succeeding together!

*Saina Taidi*

Saina Taidi  
Chair, Ontario Chapter



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# NATURAL AND CLEAN COSMETICS – THE SCIENCE BEHIND THE INGREDIENTS

In recent years we have seen in the cosmetic market an increase of simplified products with fewer ingredients.

The marketing message of these products is often linked to the ingredients sourcing, functionality, and safety (including the absence of the so called no-no ingredients). Labeled as clean beauty products, they often rely on natural ingredients that, due to the identification of natural with recognized by the human body, biodegradable, and often used in traditional medicine, they easily fit into the concept of safety (and carry a nice story on sourcing). But what about efficacy? Is it possible today to develop clean beauty products, carrying the purest and most ethical sourced natural ingredients, and prove their efficacy with Science? Technology and science is available today for both developing the natural extracts and for testing them, therefore increasing their safety and efficacy while maintaining their positive image of clean, pure, eco-friendly, safe and sustainably sourced. Technologies derived from the pharma and the imaging industries are available at affordable cost and flexibility. Genomics, proteomics and metabolomics analysis are now offered to the cosmetic scientist<sup>1</sup> as well as machines able to qualify and quantify skin characteristics in a non-invasive way. In other words, it is finally possible to verify the scientific edge and efficacy of any natural and natural derived ingredient.

## Raw materials – Minimal Processing

Raw materials sourcing from sustainable supply chain are often linked to:

- Biological agriculture
- Sustainable harvesting from the wild

These raw materials seem to emerge in the food supply chain first. Initial markets are in the country of origin on a micro-scale (local green markets), following a macro-scale and industrialization step (larger distribution in retail space). Often commercialized at a continent level, they are eventually “discovered” in other continents and growing according to their commercial and marketing appeal.

### Example – Pomegranate Seed Oil

Pomegranate is sourced through a sustainable model and cold pressed oil is produced. Due to its unique and elevated level of omega-5 (conjugated linolenic acid, punicic acid) (Table 1), the oil is a strong anti-oxidant, showing protection from UV-induced protein oxidation (carbonylation) and DNA damage.<sup>2</sup>

Omega -9	Omega -6	Omega -5	Tocopherols
12%	14.5%	65%	0.3g/Kg

Table 1. Omegas Fatty Acids and Vitamin E Composition of Pomegranate Seed Oil  
Further research highlighted the oil’s soothing properties such as inhibition of inflammatory mediator lipoxigenase;<sup>3</sup> but also its regenerating characteristics, like the stimulation of keratinocytes growth.<sup>4</sup>

## Raw Material – Extraction and Transformation in an Active Ingredient

Raw materials are often transformed into active ingredients for personal care applications. Specific extraction by using biodegradable and natural solvents produces ingredients with specific physical-chemical characteristics and solubility for different cosmetic applications. Once ingredients are validated based on stability assays and scaled up, they can be tested for safety and efficacy in different models (in vitro, ex vivo, and clinical – non animal).

*Continued on page 18*

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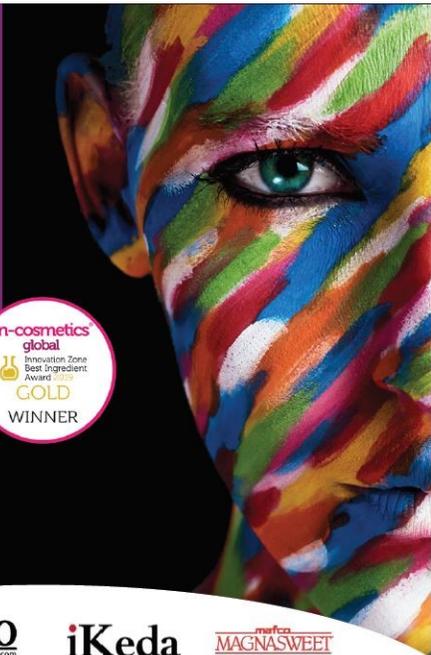


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## SCC ONTARIO EMAIL REGISTRATION

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## Programs and Privileges

**Journal** - Membership includes subscription to the Journal of Cosmetic Science, the Official Journal of the Society of Cosmetic Chemists. The Journal contains technical papers on topics of interest to cosmetic scientists and is distributed six times per year.

**Meetings & Seminars** - The Society holds its Annual Scientific Meeting each December and its Annual Scientific Seminar each May. The Meetings and Seminars provide a forum for an exchange of current findings and technology on topics of global interest in cosmetic science.



**Continuing Education Programs** - Our CEP Programs are short courses taught by practicing cosmetic scientists and perfumers, all acknowledged experts in their disciplines.

**Chapters** - Each member is assigned to one of seventeen Chapters throughout the United States and Canada, according to his or her geographic location. Chapters hold local scientific meetings throughout the year, and many publish their own newsletters.

**I.F.S.C.C.** - The Society of Cosmetic Chemists is one of 42 member organizations within the International Federation of Societies of Cosmetic Chemists.

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**Example – Fucoidan from Seaweed**

Seaweeds are rich in phenols derivatives and polysaccharides with protecting activity.<sup>5,6</sup> Brown seaweeds also contain a compound called fucoidan that assists with protection from marine pathogens. Fucoidan is a fucose-rich polysaccharide with anti-viral, immune modulating and matrix metalloprotease inhibiting properties.<sup>7</sup> By isolating fucoidan from seaweeds, the formulator can use smaller concentrations of the extract. These lower levels reduce the risk of incompatibilities and material setting, color issues and scent, improving overall stability.<sup>8</sup> Recent research highlighted the scientific added value of fucoidan as skin soothing and skin regenerating agent (reduction of Trans Epidermal Water Loss, decreased wrinkle's depth, increase elasticity, reduction of proteases) (Figure 1).<sup>9</sup>

Extract	Elastase Inhibition	Elastase Inhibition EC <sub>50</sub>	Tyrosinase Inhibition	Tyrosinase Inhibition EC <sub>50</sub>	Collagenase	Collagenase IC <sub>50</sub>
<i>Fucus vesiculosus</i> extract	99% at 0.1 mg/mL	76 µg/mL	99% at 0.02 mg/mL	33 µg/mL	99% at 0.1 mg/mL	60 µg/mL
<i>Undaria pinnatifida</i> extract	99% at 0.1 mg/mL	68 µg/mL	5% at 1 mg/mL	n/a	99% at 0.1 mg/mL	55 µg/mL

Figure 1. Seaweed Extract rich in Fucoidan inhibits proteases and tyrosinase (from Fitton JH et al.<sup>9</sup>)

**Conclusion**

Natural and Clean Beauty Products contain natural ingredients communicated through ethical sourcing and safety. Scientific tools allow to analyze and test these ingredients for efficacy, therefore helping to select the right ingredient concentration to add to the finished product for optimal functionality. Natural and Clean Beauty Brands need to start validate their ingredients efficacy through real scientific testing and/or select their suppliers based on how scientific is their ingredient offer. Natural ingredients can step up for efficacy once good science is performed to validate their benefits for cosmetic applications. There is a clear need in the market for more science and more credible claims and we can provide them both helping consumers properly chose the cosmetics they need.

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Giorgio Dell'Acqua, PhD, is a cosmetic scientist and a consultant for the personal care industry. A graduate from the University of Rome, Italy, Dr Dell'Acqua worked for 15 years as an investigator in applied medical research in different Research Institutes and Universities, including Mount Sinai Medical School in New York and Harvard Medical School in Boston. Moving to the private sector in 2000, he has spent the last 20 years as an executive and cosmetic scientist in the personal care industry. He is specialized in skin and hair care ingredients, finished product development and technical marketing. He has helped bring more than 200 successful active ingredients and finished products to market and has authored more than 70 publications in medicine and cosmetic

science. From last 10 years he has been writing and lecturing on natural cosmetic ingredients, sustainable supply chain, and helped sourcing, developing and bringing to market many natural ingredients. He is an award winning speaker on natural ingredients and a regular writer on sustainability and cosmetic science. He is also the chair of the Scientific Committee for the New York Society of Cosmetic Chemists and its scientific blogger.

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## Address Changes??

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Hence the need for cleanrooms, inside which visitors must wear a face mask, hood, booties and coveralls, and still can't come closer than several feet away from the probes and rovers contained within.

But despite everyone's best efforts, some bacteria will always be present. Specifically, the bacteria that are the most hardy, having survived many rounds of chemical and UV cleansings.

In an environment that clean, however, these bacteria can't dine on their usual fare of decaying plant and animal matter. So, in order to survive, they've actually developed the ability to eat the cleaning materials!

One study showed that Acinetobacter bacteria, a particularly persistent and troublesome bacterium for hospitals, is able to survive on only ethanol and can degrade cleaning products. These troublesome microbes are resistant to radiation, hydrogen peroxide, high pressures and high temperatures.

In 2014 Koichi Wakata, a Japanese astronaut, proved that microbes are making it to space. He swabbed fifteen surfaces around the International Space Station and brought them back to Earth. From these swabs more than 12 000 microbes were identified!

It is important to remember though that the vast majority of these, just like the majority of microbes on your skin, phone and counter, are totally harmless. If even NASA's cleanrooms can't be microbe free, your home will never be either, and that's ok.

Article complements of [www.mcgill.ca/oss/](http://www.mcgill.ca/oss/)



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## NEWSLETTER POSTING DATES FOR 2020

Here are the dates for 2020 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- ♦ January 9th
- ♦ February 18th
- ♦ April 30th
- ♦ August 27th
- ♦ October 8th



(or as close as we can get)

Should posting dates change throughout the year the most up to date list can be found at;

<http://www.ontarioscc.org/newsletters.htm>



## Presenters Welcome!!!



The SCC Ontario Chapter board is currently accepting submissions for presentations! Interested parties can submit a presentation abstract and a biography. Your talk may be accepted for either a Chapter meeting or Education Day.

Please send all enquiries to Andy Halasz (speaker coordinator) at

[bhalasz39@gmail.com](mailto:bhalasz39@gmail.com)

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## UPCOMING EVENTS

March 10th, 2020 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— SCC Regulatory Day “The Use of CBD’s in Cosmetics”
April 8th, 2020 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— <i>“Innovating for Sustainability”</i> - Leah Sutton & Tara Ocenar <b>And</b> Seneca Capstone Project Presentations
May 28th, 2020 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— <i>“Retrospective and Update on the emergence and evolution of Hyaluronic Acid in skin care”</i> — Giuseppe Calloni
July 23rd, 2020 Caledon Woods Golf Club	20th Annual SCC Ontario Golf Tournament
September 24th, 2020 The Venetian, Vaughan ON	Education Day
November 5th, 2020 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
November 27th, 2020 The Venetian, Vaughan ON	Annual Holiday Dinner Dance
February 4th, 2021 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA



## ONTARIO CHAPTER SCHOLARSHIP PROGRAM SOCIETY FOR COSMETIC CHEMISTS

The support of Cosmetic Science Education and Research are central to the goals of the Society of Cosmetic Chemists (SCC). The Ontario Chapter has developed a Scholarship Program available to students planning to complete cosmetic science research in Canada. In the past, the \$1000.00 award has been presented to students from Seneca College, University of Toronto, University of Waterloo, University of Guelph and McMaster University. The program began in 2003 and over 20 students have received awards.

Interested students are invited to submit a brief one page outline to Dennis Zuccolin, Director of Scholarships at [dzuccoli@estee.ca](mailto:dzuccoli@estee.ca). The scholarship applications will be reviewed by the SCC Ontario Chapter Board members. Students awarded a scholarship can also apply for additional support (up to \$1000.00) to cover research and development costs, training and conference expenses.

The Ontario Chapter has supported the Seneca College Cosmetic Science Program and students by providing several scholarships. Students of the Seneca School of Biological Science and Applied Chemistry will also be supported with a new award starting in the current school year.

Successful scholarship and award candidates are encouraged to attend SCC meetings, volunteer at events, collaborate with members, prepare a poster presentation, write an article for the newsletter and make an oral presentation on their research at a chapter meeting.

## NORTHERN HIGHLIGHTS STAFF

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## MEMBERSHIP

For those who would like to become members, yearly fees are \$150 US. Applications are available from your Executive Committee or on-line at;

<http://www.sconline.org/membership/>

Please return the completed form at your convenience and reap the benefits of the SCC. For renewal memberships, please send payments directly to the SCC National Office. For your convenience, National will accept payment by **VISA, Mastercard or AMEX**. Please contact National for details.

## Presentation Library

Peruse our wide selection of presentations from previous meetings

<http://www.ontarioscc.org/presentations.htm>

### ATTENTION MEMBERS

**Unemployed and Emeritus members may continue to attend monthly meetings free of charge.**

**Please contact the registration booth upon arrival.**

**Unemployed membership is free of charge by submitting the renewal form with unemployment details.**

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# NORTHERN HIGHLIGHTS



The SCC Ontario Chapter's Newsletter



May 2020

Volume XCIII

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## FREE ON-LINE SCC CHAPTER MEETING

*"A Retrospective and Update on the  
Emergence and Evolution of  
Hyaluronic Acid in Skin Care"*

**THURSDAY MAY 28TH, 2020**

## PRE-REGISTER FOR THIS VIRTUAL MEETING

As this particular event is an "On-Line" meeting simply click on the button below which will take you to our registration page. You will then receive a calendar invite with the link to the meeting.

**Click Here  
To Register**



# FREE ON-LINE SCC CHAPTER MEETING

THURSDAY MAY 28TH, 2020  
4pm ET



## LIVE On-Line

Upon registering you will soon after be sent a calendar invitation that will connect you directly to the presentation

**FREE for SCC Members  
(Pre-Registered)**

### Abstract:

#### A retrospective and update on the emergence and evolution of Hyaluronic Acid in skin care

Hyaluronic acid (HA) was first discovered in 1934 from a cow's vitreous body. It was discovered that HA plays a crucial role in cell metabolism and physiological processes which lead to tissue repair. In the 1970s, HA was first applied in intra-articular injection and eye surgery then used as dermal filler in 1980s, and in the beginning of 1990s, added to personal care products.

Initially HA was used in personal care for its' moisturizing effect. Different molecular weight HAs have different physical characteristics and different areas of use. As the research on HA progressed, additional properties of HA and new derivatives were discovered that have unique activity on the skin.

Hyaluronic Acid (HA) is a linear polysaccharide with repeating disaccharides. Standard HA has a molecular weight of 200kDa to 4Million Da. One of the first discoveries was to use chemical or enzymatic degradation technology to produce HA Oligomers (Extremely low molecular weight, Mw < 10k Da). This technology has progressed to now create a less than 5kDa product. These Oligomer products have very different activity than standard HA.

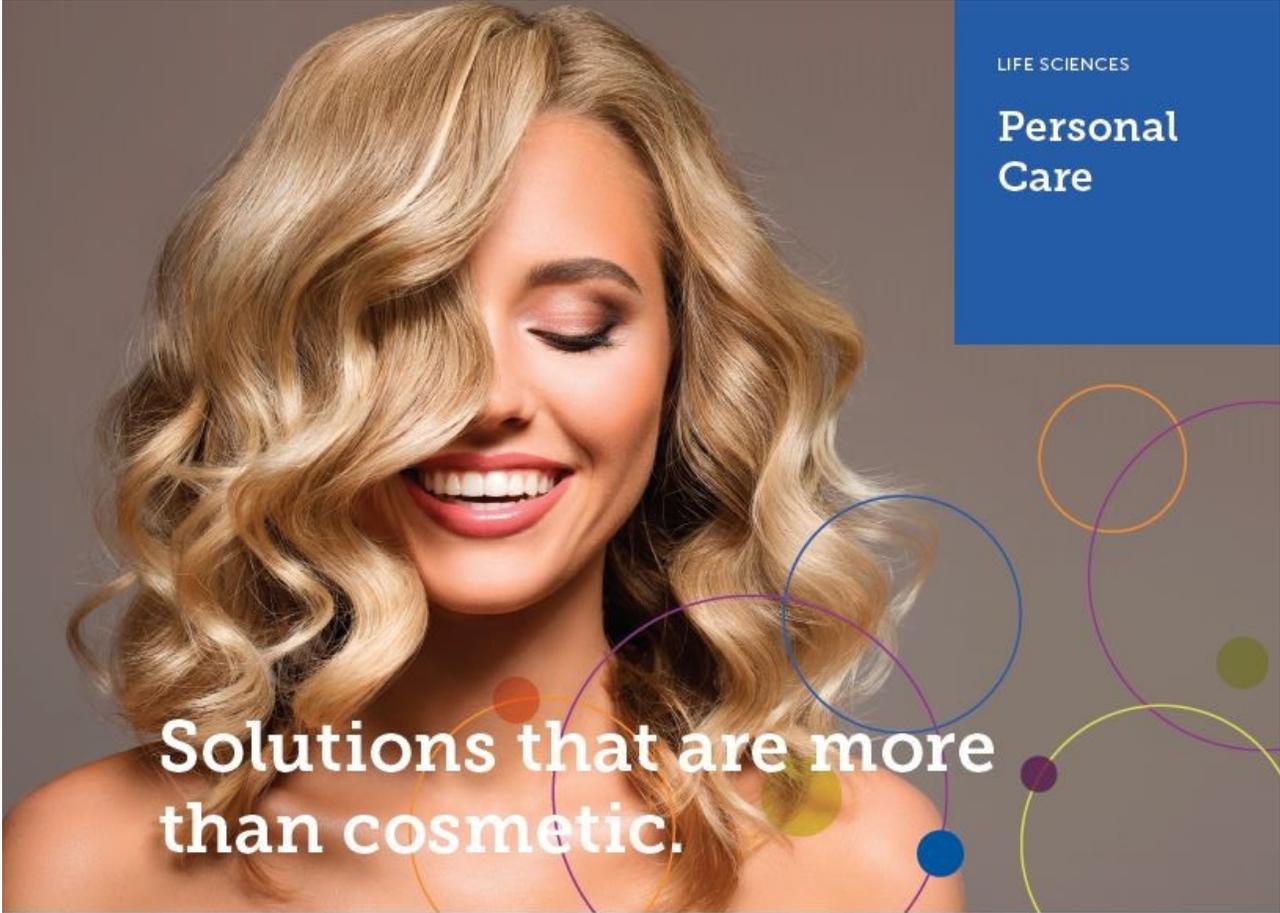
In addition to the small Oligomers, researchers have also created larger HA polymers using cross-linking technology to produce very different activity. In the recent years, new derivatives of HA have been researched that add a lipophilic group to increase skin affinity; combine HA with other molecules to create a synergistic effect to improve skin color uniformity, skin construction and moisturization; create an oil-dispersible format for use in color cosmetics and anhydrous formulas; create a substantive HA for rinse-off products. Finally, some are claiming to have created a "plant HA." All these options for HA can create confusion for product development and the chemist to know which product to use to get the desired results. This information will help to make the best, well-informed choice. HA's are NOT all the same.

### Biography:

**Dr. Giuseppe Calloni** is Vice President of Bloomage Biotechnology USA, Inc. a part of Bloomage Biotechnology Corporation Limited, a worldwide leader in fermented Sodium Hyaluronate, Hyaluronic Acid and bioactive ingredients for personal care, food supplement and pharmaceutical industries. He is responsible for market development and growth throughout North, Central and South America.

Dr. Calloni received a doctorate in Atomic and Molecular Physics from University of Milan and completed additional studies in Physical Chemistry of Colloids and Interfaces at the University of Bristol, UK. He began his career in colloid chemistry in oilfield production. He moved to the personal care industry with Sasol as manager of R&D providing technical assistance to key accounts worldwide. In 2000 he moved to Res Pharma in Italy and was in charge of international development, focusing on North America and Asia. In 2003 he managed the European sales network for Rhodia (now part of Solvay) and in 2005 was co-founder and VP of Sales for Biophil Suisse (now Levhoss) manufacturing specialty ingredients for personal care and skin care. It is here that he worked with sodium hyaluronate from Freda (later to become Bloomage Freda). In 2009 he joined Induchem AG (now part of Givaudan Active Beauty) as Senior VP responsible for global marketing and sales. In 2012 he moved his family to the US and was a partner in Freedom Actives focusing on specialized ingredients for the cosmetic/personal care industry.

In 2014 Dr. Calloni became the Vice President of Bloomage Freda Biopharm USA, establishing their US office and sales structure. Dr. Calloni is author and co-author of over 20 articles and few patents from colloid chemistry to personal care/cosmetic chemistry. An interesting fact about Dr. Calloni. Due to his expertise in colloid chemistry, from 1997-1999 he was honored and privileged to head the technical team restoring the façade of St. Peter Cathedral at the Vatican in Rome. Here he was an expert in Geo Radar analysis, Infra-Red analysis and colloid chemistry.



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**SCC**

Dedicated to the Advancement of Cosmetic Science

## SCC -About Our Organization

Dedicated to the advancement of cosmetic science, the Society strives to increase and disseminate scientific information through meetings and publications. By promoting research in cosmetic science and industry, and by setting high ethical, professional and educational standards, we reach our goal of improving the qualifications of cosmetic scientists. Our mission is to further the interests and recognition of cosmetic scientists while maintaining the confidence of the public in the cosmetic and toiletries industry.

Comprised of over 4,000 members, the Society of Cosmetic Chemists was founded in 1945 to promote high standards of practice in the cosmetic sciences. We serve as a focus and provide the proper forums for the exchange of ideas and new developments in cosmetic research and technology.

Since 1948 Chapters have been the lifeblood of the Society of Cosmetic Chemists. We now have 19 Chapters throughout the United States and Canada which conduct monthly meetings, educational seminars, suppliers' days and publish monthly newsletters. These Chapters are run by dedicated volunteers who lend their time and expertise to the smooth and efficient operation of each Chapter. Download an application: [http://www.sconline.org/website/about\\_scc/member\\_application.htm](http://www.sconline.org/website/about_scc/member_application.htm)

# REGULATORY DAY 2020

On March 19th the SCC Ontario Chapter held a full day regulatory seminar entitled, “**The Use of Cannabis in Topical Products**” which was offered FREE for members. As this is a new and ever evolving hot topic in the world of Personal Care the event was well attended with over 80 members.

## SCC Ontario Regulatory Day

TUESDAY MARCH 10TH, 2020

### The Use of Cannabis in Topical Products



During the morning we had an update session with three speakers from Health Canada. **Benoit Seguin** who is the associate Director of the Compliance Directorate in the Controlled Substance and Cannabis Branch started the morning with his talk “Cannabis Act and Regulations “ which provided, among other things, an overview of the Cannabis Act Framework, where he delved into licensing under the Cannabis Act, as well as the import and export of cannabis by license holders.

**Magdalena Jurkiewicz**, - Senior Regulatory Policy and Risk Management Advisor at the Risk Management Bureau within Health Canada provided a brief presentation about requirements for cosmetics, more specifically, those related to the permitted hemp derivatives in cosmetics.



Following Magdalena we had a “virtual” presentation from **Catherine Sullivan** Regulatory Affairs Specialist, Healthy Environments and Consumer Safety Branch Health Canada. Catherine spoke on *The New Substances Notification Regulations and the Cannabis Act*. She provided an overview of the New Substances Notification Regulations under the Canadian Environmental Protection Act, 1999 and how they relate to the Cannabis Act. The Revised In-Commerce List as well as the definition of Naturally Occurring Substances was discussed.



After lunch we had a US Cannabis update and were pleased to be joined **Sharon A. Blinkoff**, Senior Council.Locke Lord, New York and **Craig Weiss**, Consumer Product Testing Co. whose presentation focused on the review of the basic technical requirements for cosmetic safety requirements for both ingredient and finished formula for new materials including supplier information and validation.

We finished the day with another “virtual” presentation by **Dave Saucier**, Regional Director Responsible Distribution Canada. Dave spoke in great detail about the step by step process needed to comply with all legal requirements to produce cannabinoid topicals. Attendees came away with a better understanding of their responsibilities under the Cannabis Act and Regulations, the Canadian Environmental Protect Act and the Hazardous Products Regulations.



All in all it was an extremely informative day and all registered attendees were emailed a link where they were able to download all 5 presentations.

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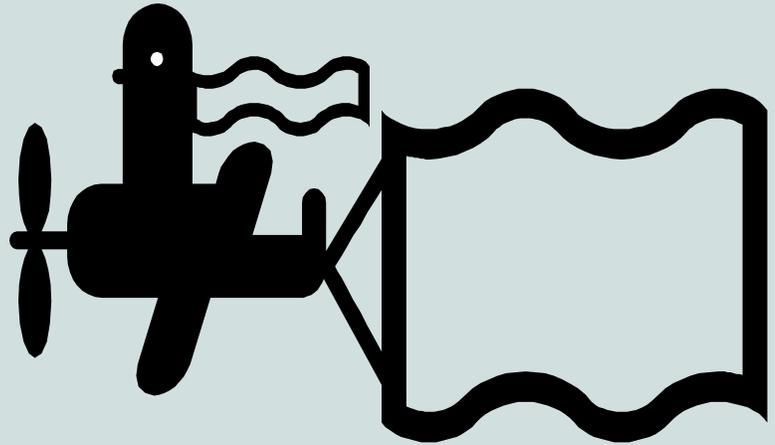
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## SURVEY SAYS...

Please keep an eye out for our “**post meeting**” opinion surveys following our Chapter meetings and special events. Each year the **Ontario Chapter** is privileged to host many fine speakers and we would like to recognize them for their efforts. Following each meeting attendees will receive a **very short survey** asking to rate the speaker. Responding gives you a chance to win a \$25 gift card!

At the end of the year we will tally the results and present one of them with an award as “**Speaker of the Year**”.

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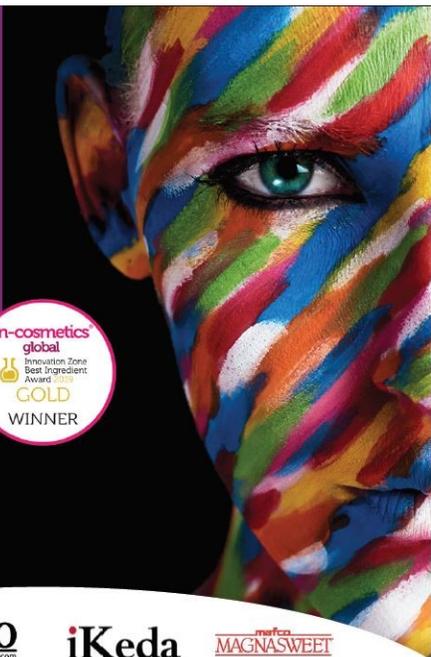


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Dear SCC Members,

We at Seneca hope you are all doing well and keeping healthy in these difficult times.

As we continue to enhance student learning opportunities as well as enhance the learning outcomes of the Cosmetic Science Program (CSP), we would like to reach out to our industry and network supports, on how we can keep up with the ever changing cosmetics industry. Particularly in this current pandemic. Now more than ever we would like to support the needs of the industry to maintain economic stability in these uncertain times. To that end, we have created a short survey to gather information to understand industry needs with respect to packaging material.

The survey will only take 5 minutes.



Thank you in advance for your support.

As some of you may be aware, Seneca's Summer 2020 semester will proceed completely online. CSP is lab-intensive program and in order to provide our students will the full learning experience and achieve the program's learning outcomes, the start of the 2020/2021 year for the CSP has been moved to September 2020.

Keep well and we all look forward to seeing you in person soon.

Ivana Knezevic and the CSP Team

Ivana Knezevic  
Professor, School of Biological Sciences and Applied Chemistry  
Phone: 1-416-491-5050 x 33770  
Email: [ivana.knezevic@senecacollege.ca](mailto:ivana.knezevic@senecacollege.ca)

## Seneca

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### Cosmetic Science - Cosmetic Market Scan

Seneca's Cosmetic Science Graduate Certificate program, as the only program of its kind in Ontario, continually strives to improve its offerings to ensure that those that graduate from our program have the most relevant industry knowledge and experience. As times are changing as a result of the current pandemic we recognize that there will be shifts in the cosmetics industry. As such, we are reaching out to you, our supporters, and asking you to take the time to complete the enclosed Market Scan survey. The survey will only take 5 minutes of your time. If you could kindly take the time, between now and May 30th to complete the survey, we would appreciate your time and support. For additional details about the program or this survey, please contact program Chair, Paola Battiston @ [paola.battiston@senecacollege.ca](mailto:paola.battiston@senecacollege.ca).



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Seneca College  
is pleased to announce the three recipients of the 2019/20  
Society of Cosmetic Chemists Bursary and Scholarship  
Awards!

### Society of Cosmetic Chemists Scholarships

Lataunya Forrest

Junghwa Yun

### Society of Cosmetic Chemists Bursary

Orzala Ulhaq

**Please take some time to read through our very  
worthy recipients thank you letters...**

*“Thank you for providing a piece of good news for  
students in these difficult times. You are putting a smile  
on their faces and giving them hope, support, and moti-  
vation when it is needed the most.  
Thank you from all of us at Seneca”*

Katie Colvin Development Officer - Awards & Leadership Giving

## Seneca

## Awards

**Thank you** from your 2019-20 Seneca award recipient.

Award name: Society of Cosmetic Chemists Award

Student recipient: Lataunya Forrest

Program: Cosmetic Science



Dear Donor,

My name is Lataunya Forrest and I am in the Cosmetic Science program at Seneca York campus in North York, Ontario. I want to start by thanking you for your generosity and recognition of students in need of extra financial assistance. The program is three semesters long with one semester being a co-op term. During the course of the school year I have learned a tremendous amount of information as well as skills targeted towards working in the rapidly growing cosmetics industry. My favourite subjects in the program have been my pigments and formulation courses because they are very hands on and I found that I've naturally gravitated towards creating products in the lab.

I believe this program is very beneficial to my future goals, as my professors are all currently or have retired from working in the field. This puts us students in a position to either connect with recruiters at companies we would like to work for in the near future or become successful entrepreneurs. My professors, as well as other Seneca staff have been very creative and determined to help us students envision what it will be like when we finish the program and finally start our careers. As a University graduate with a degree in Biology and Psychology, it was difficult for me to decipher exactly what I wanted to do after graduating. After two years of trying out different jobs in the science field and researching Masters Programs I finally found my niche. I always knew that I wanted to enter a field where I could express my creative side, help others, as well as continue on with my love for science. My co-op term at Veriphy Skincare as a Junior Formulator solidified that this program and position is a perfect fit for me, as it covered all three of my desires. I now know I enjoy formulating not only in a school setting but in a real world setting too. Outside of school I work part-time as a server and in my spare time I like to read books or articles about anything from self-care to current cosmetic trends, and spend time with my friends and family.

As the program is coming to an end I am thinking about starting a small free lancing business where I create products for people who would like to start their own cosmetic lines. The monetary award given to me will go towards equipment that I will use at home to create these products and raw materials as I gain more clientele. I am very excited about my business, as I am aware of how many people would like to get started on their own lines tailored to them and that are cost friendly. I am happy to have funds which allow me to start sooner rather than later.

Again, I thank you for the donation and would like you to know that it is going towards a great investment.

Thank you,

Lataunya Forrest

## Seneca

## Awards

**Thank you** from your 2019-20 Seneca award recipient.

Award name: Society of Cosmetic Chemists Award

Student recipient: Junghwa Yun

Program: Cosmetic Science



Dear Donor,

I am a student enrolled in a Cosmetic Science Program at Seneca College at York Campus. I am writing this letter in appreciation for your generous Society of Cosmetic Chemists Award. I was very thankful and appreciative to learn that I was selected as the recipient of this award. Although sometimes I find this program a bit challenging, I very much enjoy my program as it covers all the aspects of cosmetics from raw materials to finished goods, fragrance, cosmetic regulations, microbiology, quality assurance and quality control with focus on cosmetic industry, and sales and marketing. I have learned a lot through this program and realized what career paths I wish to pursue. Taking this program would open so many opportunities for me as this program helps students be prepared to pursue different types of career options including research and development chemist, cosmetic formulation chemist, regulatory affairs associate, and quality assurance associate.

Out of all the topics covered, I found cosmetic formulation and microbiology courses very exciting. Hence, I plan to pursue a career in research related field such as developing a new cosmetic line, validation of finished goods, or research on cosmetic ingredients. Holding this award would further strengthen my resume that would show my strong enthusiasm and motivation to be part of a cosmetic industry. As well, by awarding me the Society of Cosmetic Chemists Award, you have lightened my financial burden which allowed me to focus more on learning and studying, the most important aspects of school.

Your generosity has inspired me to make contribution to the community that one day I hope I will be able to help students achieve their goals just as you have helped me!

Sincerely,

Junghwa Yun

Seneca Advancement & Alumni  
advancement@senecacollege.ca



## Seneca

## Awards

**Thank you** from your 2019-20 Seneca award recipient.

Award name: Society of Cosmetic Chemists Bursary

Student recipient: Orzala Ulhaq

Program: Advanced Biotechnology



Dear Donor,

I am a 4th semester BTA student at the Seneca@York Campus. I got into the Biotechnology program to further advanced my education after graduating from the Chemical Laboratory Technician program at Seneca College. I chose Seneca College because of the hands-on experience that they provide for the science programs and the friendly community of students and staff members. Seneca College and the BSAC programs have allowed me to experience all the different courses and knowledge required in order to better prepare me for the real-world jobs. I have become very close to all my professors, advisors, and coordinators who have always been available to help and guide me to become the professional and confident person I am today. I have been given many opportunities to volunteer for many lab experiments and open houses for the BSAC programs, which I will forever be thankful and grateful for. I enjoy working in the labs and learning at Seneca College and I hope to continue to give back in any way possible, whenever I can.

The bursary provided by the Society of Cosmetic Chemists allowed me to have some funding available to lessen my stress in terms of financial needs. I was working at Estee Lauder R&D labs during my 3rd semester and had to give up my position to further advanced my skills and focus on school. I would love to get back to working in that kind of environment. But for now, I am deeply thankful for the financial help that this bursary provided and allowed me to fully focus on my goal, of completing the Advanced Biotechnology program at Seneca College.

Thank you for funding and helping students like me. Society of Cosmetic Chemists, you rock!

Sincerely,  
Orzala Ulhaq

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## Seneca 2020 Capstone Project Review

Seneca School of Biological Science and Applied Chemistry has now completed its 4<sup>th</sup> year of the Cosmetic Science graduate certificate program. As part of the program students must complete a capstone project, a final in-course project, in which, student teams, complete a cosmetic product from concept to final packaged products with an associated marketing strategy. This year, as a pilot, we invited industry partners to participate in the capstone projects with the students. At the completion of the 14 weeks the partner will receive a prototype product based on their Marketing Brief. The product will have some stability testing done and a micro plate count done as part of the project. This year our projects included an SPF 30 Sunscreen, a Makeup Remover, a Hair Treatment and a Resurfacing Smart Skin Treatment. The decision to pilot a collaborative industry partnered project was made to enhance the student learning in the Cosmetics Science graduate certificate program.

### **Tracy Chen, Student, Project Manager Makeup Remover Project**

"It was a great way to get a scope of what the industry is like through the various roles we all played. How we got to work collaboratively as a group and get a feel of how other roles connected with one another allowing us to come up with an amazing piece of work. We developed so many skills from this project such as problem solving skills as we had to overcome many obstacles that came into our path such as formulation and COVID-19. We developed time management skills, by trying to meet deadlines and the timeline. We also developed collaboration skills and communication skills through interacting and working together as one. Capstone project really opened our eyes and allowed us to see which path may be best for us career wise as we got to take a dive into the various jobs that are associated with cosmetic science."

### **Ben Rogers, Dean Seneca Innovation**

"Preparing students for successful futures in a rapidly evolving world and economy, is one of key goals of Seneca's Strategic Plan. Offering experiential learning opportunities is a mechanism to achieve this goal. Applied research, including grant funded, extracurricular research projects and industry partnered, in-class capstone projects, is a type of experiential learning offered to Seneca students. Working on these applied research projects provides a unique experience for our students, allowing them to put theoretical knowledge into practice to solve 'real-world' industry challenges. The opportunity for students to experience and learn from the industry, which they are training to join, is invaluable. Seneca Innovation is proud to support in the implementation of this critical experience for students in Seneca's Cosmetic Science program".

As we continue to enhance student learning opportunities as well as enhance the learning outcomes of the program, we would like to reach out to our industry and network supports, on how we can keep up with the ever changing cosmetics industry. Particularly in this current pandemic. Now more than ever we would like to support the needs of the industry to maintain economic stability in these uncertain times. To that end, we have created a short survey to gather information to understand industry needs with respect to packaging material. The survey will only take 5 minutes. Please use the below link to access the survey,



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## SCC ONTARIO EMAIL REGISTRATION

**Interested in receiving periodic emails to keep you up to date on your SCC Ontario Chapter, including newsletter notifications? If so please visit the following link to register your email address;**

**Register Now!**

*Click Here*

**Please note your email information will be used for SCC information purposes ONLY!**

## Programs and Privileges

**Journal** - Membership includes subscription to the Journal of Cosmetic Science, the Official Journal of the Society of Cosmetic Chemists. The Journal contains technical papers on topics of interest to cosmetic scientists and is distributed six times per year.

**Meetings & Seminars** - The Society holds its Annual Scientific Meeting each December and its Annual Scientific Seminar each May. The Meetings and Seminars provide a forum for an exchange of current findings and technology on topics of global interest in cosmetic science.

**Continuing Education Programs** - Our CEP Programs are short courses taught by practicing cosmetic scientists and perfumers, all acknowledged experts in their disciplines.

**Chapters** - Each member is assigned to one of seventeen Chapters throughout the United States and Canada, according to his or her geographic location. Chapters hold local scientific meetings throughout the year, and many publish their own newsletters.

**I.F.S.C.C.** - The Society of Cosmetic Chemists is one of 42 member organizations within the International Federation of Societies of Cosmetic Chemists.



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## Trees of Life – Sustainable Development and Biodiversity Protection

When today our industry is sourcing a natural ingredient it has to consider doing it within a sustainable development framework. Sustainable development considers the economy, social equity and the environment as its main pillars. Also called “triple bottom line”, those pillars reminds us that business, society and the environment are connected, they influence each other, and should have the same value (1). The effect of a business on a community (society) and its natural environment is particularly evident in the development world where many of our “exotic” natural ingredients are coming from. The risk to source ingredients careless of a possible negative impact on the communities and their environment is present. The United Nations (UNCTAD) with its Biotrade Facilitation Program and more recently spin off organizations such as the Union of Ethical Bio-Trade (UEBT) have advocated and implemented programs to protect the environment and its biodiversity (2).



These organizations have helped initially to build supply chains with local producers working in a sustainable environment and eventually to connect with ingredient suppliers and finished product companies (both in the food and the cosmetic industry) committed to source ingredients sustainably. In Africa, organizations, producers and traders work with communities to sustain ingredient sourcing by preserving the biodiversity of the natural environment where the ingredient is coming from. Like the example of African trees (often call the trees of life) that are at risk of extinction due to increasing deforestation implemented by corporations in search of land to grow monocultures to feed an expanding worldwide population. Entire forests have been cut down with this objective. Some examples of trees that are at risk and that are currently saved by businesses integrating sustainable development follow.

### *Baobab*

The Baobab tree standing alone in the middle of a savanna is a powerful and a beautiful image, but it also reminds us that that savanna was a forest of baobab trees and the tree we see is what is left. A recent commercial interest by the cosmetic industry in the Baobab fruit and oil has motivated suppliers to work with NGOs, traders, and local communities to make sure the baobab fruit is sustainable developed and so the tree is protected. Baobab oil is becoming popular as a treatment for dry hair, but it is also present in soothing and healing products due to its high content in phytosterols. Moreover, the fruit pulp is particularly rich in Vitamin C. In order to guarantee sustainability, the Baobab tree itself need to be protected and more baobab tree need to be planted. There is an incentive for a community to not cut the tree if the tree products can generate a business. Producers in Malawi agreed with local communities to protect the trees in order to sustain the fruit business.

### *Marula*

The Marula tree is indigenous to the sub-Saharan region and it is in danger of deforestation. Marula oil is extracted from the kernel. Its composition is very similar to olive oil (high amount of oleic acid) and it is very stable (high in VIt E). For this reason the oil is enjoying a commercial success. To protect the tree, organizations such as The Seed Initiative have worked with local communities and local traders to incentivize the planting of new trees in order to sustain the Marula oil growing demand (3).

### *Moringa*

The Moringa tree grows in many regions of Africa. The oil high amount of oleic acid and sterols sustains regenerative and soothing properties, while the presence of polyphenols contributes antioxidant characteristics. The presence of behenic acid, unique for this oil, add to the skin feeling. Also, in this case the commercial success of the oil has been an incentive for programs toward tree plantation. Local traders in Rwanda are working with communities to replant Moringa trees.

### *Final Remarks*

Our industry needs to work with local producers that sustain communities and their environment. It is our duty as citizen of this planet to preserve for us and the generations to come the planet biodiversity and its fruits. We need to source ingredients in a sustainable way and help protect the trees of life.

### *References*

1. J. Elkington. Cannibals with Forks: The Triple Bottom Line of 21st Century Business, New Society Publishers: Gabriola Island, BC, Canada (1998).
2. <http://ethicalbiotrade.org/>
3. <https://www.seed.uno/>

*The author wish to thank Elisabeth Goyvaerts at Everpix for the cover picture (Marula forest, South Africa)*

*Blog compliments of Giorgio Dell'Acqua*



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## Did You Know That Moon Dust Is Incredibly Toxic?

Did You Know?

There are no aliens on the moon, but that might not stop it from trying to kill us.

Lunar soil is exposed to micrometeorite impacts and because the moon lacks an atmosphere, constant intense solar wind. As a result, the soil is electrostatically charged, so much so that it can levitate above the surface of the moon.

This dust was a problem faced by the Apollo astronauts. It stuck to their suits, following them into their spaceship, coagulating in vents and causing "lunar hay fever" in astronaut Harrison Schmitt.

Lunar dust is problematic because of its intense static charge, but also because of its size. Small particles (5-10 mcg) can accumulate in airways, smaller particles (0.5-5 mcg) can travel right into lung alveoli, and at least in rats, the smallest of particles (<0.1 mcg) can travel through the olfactory bulb right into the brain.

A study has recently shown that human neuron and lung cells exposed to simulated lunar dust experienced DNA damage and cell death, even in very small quantities.

This isn't totally unexpected. Earth dust can have similar effects, toxic or not. Volcanic ash has been known to cause bronchitis and emphysema when inhaled. But the degree to which lunar dust damaged cells was unexpected. The scientists were at times unable to measure the extent of DNA damage since it was completely destroyed.

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## NEWSLETTER POSTING DATES FOR 2020

Here are the dates for 2020 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

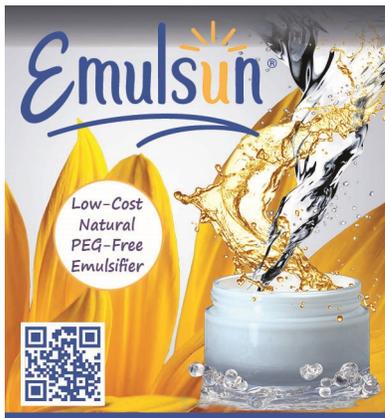
- ◆ January 9th
- ◆ February 18th
- ◆ April 30th
- ◆ August 27th
- ◆ October 8th



(or as close as we can get)

Should posting dates change throughout the year the most up to date list can be found at;

<http://www.ontarioscc.org/newsletters.htm>



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[kashif@vivachem.ca](mailto:kashif@vivachem.ca)



## Presenters Welcome!!!



The SCC Ontario Chapter board is currently accepting submissions for presentations! Interested parties can submit a presentation abstract and a biography. Your talk may be accepted for either a Chapter meeting or Education Day.

Please send all enquiries to Andy Halasz (speaker coordinator) at

[bhalasz39@gmail.com](mailto:bhalasz39@gmail.com)



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## UPCOMING EVENTS

May 28th, 2020 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— <i>“Retrospective and Update on the emergence and evolution of Hyaluronic Acid in skin care”</i> — Giuseppe Calloni
July 23rd, 2020 Caledon Woods Golf Club	20th Annual SCC Ontario Golf Tournament <i>Cancelled</i>
September 24th, 2020 The Venetian, Vaughan ON	Education Day
November 5th, 2020 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
November 27th, 2020 The Venetian, Vaughan ON	Annual Holiday Dinner Dance
February 4th, 2021 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
March 10th, 2021 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
April 6th, 2021 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA



## ONTARIO CHAPTER SCHOLARSHIP PROGRAM SOCIETY FOR COSMETIC CHEMISTS

The support of Cosmetic Science Education and Research are central to the goals of the Society of Cosmetic Chemists (SCC). The Ontario Chapter has developed a Scholarship Program available to students planning to complete cosmetic science research in Canada. In the past, the \$1000.00 award has been presented to students from Seneca College, University of Toronto, University of Waterloo, University of Guelph and McMaster University. The program began in 2003 and over 20 students have received awards.

Interested students are invited to submit a brief one page outline to Dennis Zuccolin, Director of Scholarships at [dzuccoli@estee.ca](mailto:dzuccoli@estee.ca). The scholarship applications will be reviewed by the SCC Ontario Chapter Board members. Students awarded a scholarship can also apply for additional support (up to \$1000.00) to cover research and development costs, training and conference expenses.

The Ontario Chapter has supported the Seneca College Cosmetic Science Program and students by providing several scholarships. Students of the Seneca School of Biological Science and Applied Chemistry will also be supported with a new award starting in the current school year.

Successful scholarship and award candidates are encouraged to attend SCC meetings, volunteer at events, collaborate with members, prepare a poster presentation, write an article for the newsletter and make an oral presentation on their research at a chapter meeting.

## NORTHERN HIGHLIGHTS STAFF

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## MEMBERSHIP

For those who would like to become members, yearly fees are \$150 US. Applications are available from your Executive Committee or on-line at;

<http://www.sconline.org/membership/>

Please return the completed form at your convenience and reap the benefits of the SCC. For renewal memberships, please send payments directly to the SCC National Office. For your convenience, National will accept payment by **VISA, Mastercard or AMEX**. Please contact National for details.

## Presentation Library

Peruse our wide selection of presentations from previous meetings

<http://www.ontarioscc.org/presentations.htm>

### ATTENTION MEMBERS

**Unemployed and Emeritus members may continue to attend monthly meetings free of charge.**

**Please contact the registration booth upon arrival.**

**Unemployed membership is free of charge by submitting the renewal form with unemployment details.**



## Address Changes??

Throughout the year many of our members change jobs or relocate and forget to notify the National Office. Without notification, these members may not receive important mailings and eventually are made inactive. If you know of someone who has moved, please ask them if they have contacted the National Office regarding their address change.



# NORTHERN HIGHLIGHTS

The SCC Ontario Chapter's Newsletter



August 2020

Volume XCIV

## 2020 Ontario Chapter Officers

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## FREE ON-LINE EDUCATION DAY SEMINAR

*"Cosmetics Going Green  
(or Simply Greenwashing)? The Greening of Cosmetic  
Products: Consumers, Market, Regulation & Certification  
Standards"*

**WEDNESDAY SEPTEMBER 23rd, 2020**

## PRE-REGISTER FOR THIS VIRTUAL EDUCATION DAY SEMINAR

As this particular event is an "On-Line" meeting simply click on the button below which will take you to our registration page. You will then receive a calendar invite with the link to the meeting.

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# SCC ONTARIO EDUCATION DAY SEMINAR



*“Cosmetics Going Green  
(or Simply Greenwashing)? The Greening of Cosmetic Products: Consumers,  
Market, Regulation & Certification Standards”*

**WEDNESDAY SEPTEMBER 23rd, 2020**

## SCC ONTARIO ON-LINE SEMINAR

**HOSTED BY “SCC Webinars”**

**Time: 10:00 AM Eastern Daylight Time**

**Free for SCC members**

**Non-members—please contact us to enquire about guest access**



### Seminar Objectives

Upon completion of this seminar, the participants will be able to:

- Describe key driving forces behind the global sustainable consumer movement
  - Describe major trends in developing sustainable cosmetic/personal care products
- Outline pertinent global regulation & legislation relevant to “green” personal care products

### Seminar Description

The consumer market has evolved over time along with the global green movement. Today’s consumers are conscientious buyers who do not simply buy into a green image, they want to see proof that the manufacturers are engaged in business practices that would ensure a common, sustainable future for all, in both economical and ecological sense. In short, they demand reassurance and actual substantiation of sustainability. This program will provide an overview of this socio-economic trending and how it is shaping the behavior and practices of both consumers and manufacturers alike in cosmetic/personal care product development.

### Program Outline for Wednesday September 23rd

- ⇒ **Session 1:** 10am– 10:50am  
The Green Trending of Global Cosmetic/Personal Care Market & Legislative Movement
- ⇒ **Session 2:** 11:00am –11:50am  
Green Cosmetic/Personal Care Product Certification Schemes

### Seminar Director Bios

**Wen Schroeder** is the president of SEKI Cosmetics. She was key expert for the ASEAN-EU Programme (under the EuropeAid) for Regional Integration Support in cosmetic & pharmaceutical GMP and testing and served as scientific advisor to Taiwan External Trade Development Council. Ms. Schroeder had served for the Personal Care Products Council and is active in the Society of Cosmetic Chemists and the Regulatory Affairs Professional Society. With 20+ years of industrial experience, 30 US patents and numerous publications, Ms. Schroeder is an internationally recognized lecturer on cosmetic science & regulatory affairs. Her lecture topics cover a wide range of areas from chemical management, biocide regulations to medical device, food, drug and cosmetic law. Ms. Schroeder is the editor of the book, Sustainable Cosmetic Product Development by Allured Books, as the first comprehensive technical reference work in this field for the cosmetic and personal care industry.



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Dedicated to the Advancement of Cosmetic Science

## SCC -About Our Organization

Dedicated to the advancement of cosmetic science, the Society strives to increase and disseminate scientific information through meetings and publications. By promoting research in cosmetic science and industry, and by setting high ethical, professional and educational standards, we reach our goal of improving the qualifications of cosmetic scientists. Our mission is to further the interests and recognition of cosmetic scientists while maintaining the confidence of the public in the cosmetic and toiletries industry.

Comprised of over 4,000 members, the Society of Cosmetic Chemists was founded in 1945 to promote high standards of practice in the cosmetic sciences. We serve as a focus and provide the proper forums for the exchange of ideas and new developments in cosmetic research and technology.

Since 1948 Chapters have been the lifeblood of the Society of Cosmetic Chemists. We now have 19 Chapters throughout the United States and Canada which conduct monthly meetings, educational seminars, suppliers' days and publish monthly newsletters. These Chapters are run by dedicated volunteers who lend their time and expertise to the smooth and efficient operation of each Chapter. Download an application: [http://www.sconline.org/website/about\\_scc/member\\_application.htm](http://www.sconline.org/website/about_scc/member_application.htm)



## SCC Ontario hosts it's first FREE ON-LINE SCC Chapter Meeting



On Thursday May 26th, 2020 SCC Ontario was very pleased to hold it's first "virtual" Chapter Meeting featuring **Dr. Giuseppe Calloni**, Vice President of **Bloomage Biotechnology USA**. Bloomage Biotechnology is a worldwide leader in fermented Sodium Hyaluronate, Hyaluronic Acid and bioactive ingredients for personal care, food supplement and pharmaceutical industries. The topic for the day was "*A retrospective and update on the emergence and evolution of Hyaluronic Acid in skin care*". Dr Calloni's presentation took us back to hyaluronic acids very beginnings with its discovery in 1934 discussing how *Hyaluronic Acid* plays a crucial role in cell metabolism and physiological processes which leads to tissue repair. Dr Calloni noted that "...Initially HA was used in personal care for its' moisturizing effect and that different molecular weights of HAs have different physical characteristics and different areas of use and that as the research on HA progressed, additional properties of HA and new derivatives were discovered that also have unique activity on the skin." His presentation went on to talk about the evolution of Hyaluronic Acid over the years and how researchers have also created larger HA polymers using cross-linking technology to produce very different activity. Most notably in the recent years, new derivatives of HA have been researched that add a lipophilic group to increase skin affinity and when combining HA with other molecules create a synergistic effect to improve skin color uniformity, skin construction and moisturization. Dr Calloni's expertise on the subject was evident as the discussion was extremely comprehensive and informative.

Dr Calloni's Live presentation can be watched here <https://www.ontarioscc.org/may282020/sccmay282020.mp4> and a pdf version can be downloaded here [https://www.ontarioscc.org/index\\_htm\\_files/SCCmay2020.pdf](https://www.ontarioscc.org/index_htm_files/SCCmay2020.pdf)

## Seneca 2020 Capstone Project Winners

Seneca School of Biological Science and Applied Chemistry has completed its 4<sup>th</sup> year of the Cosmetic Science graduate certificate program. As part of the program students completed a capstone project, a final in-course project, in which, student teams, complete a cosmetic product from concept to final packaged products with an associated marketing strategy. This year, as a pilot, we invited industry partners to participate in the capstone projects with the students. Once the 14 weeks were completed the partner received a prototype product based on their Marketing Brief. The product also had stability testing done and a micro plate count done as part of the project. This year our projects included an SPF 30 Sunscreen, a Makeup Remover, a Hair Treatment and a Resurfacing Smart Skin Treatment. The decision to pilot a collaborative industry partnered project was made to enhance the student learning in the Cosmetics Science graduate certificate program.

We are pleased to announce the winners for 2020!

**PROJECT MANAGER: KASANDRA MACMURRAY**  
**MARKETING: PAULA ANDERSON**  
**FORMULATION: AMANDEEP SIDHU**  
**PACKAGING: THURGA KONESASUBRAMANIAM**  
**QUALITY: JUNGHWA YUN**  
**REGULATORY: CARLEY LOVNICKI**  
**BEST TEAM: BLEACH REPAIR**

*Congratulations!* to all the 2020 winners!

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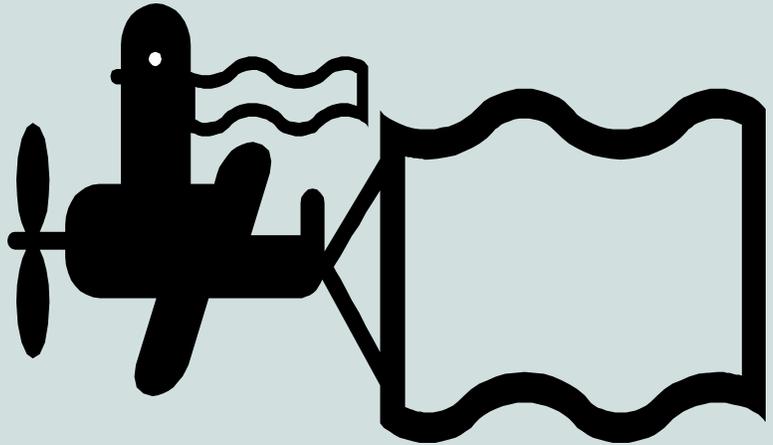
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## SURVEY SAYS...

Please keep an eye out for our “**post meeting**” opinion surveys following our Chapter meetings and special events. Each year the **Ontario Chapter** is privileged to host many fine speakers and we would like to recognize them for their efforts. Following each meeting attendees will receive a **very short survey** asking to rate the speaker. Responding gives you a chance to win a \$25 gift card!

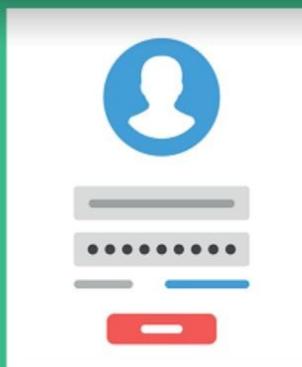
At the end of the year we will tally the results and present one of them with an award as “**Speaker of the Year**”.

## HAVE YOU ACTIVATED YOUR SCC PORTAL ACCOUNT?

We have recently improved our member's experience on the SCC Portal, formerly known as the Member Portal.

If you have not logged in to the SCC Portal since 07/14/2020 then you will need to create or activate a new SCC account.

**ACTIVATE NOW!**



## Activate Your SCC Portal Account

**NEWLY REDESIGNED PORTAL**

You will notice things look a little different on our updated SCC Portal! In order to access membership benefits or Annual Meeting registration information, you will need to activate or create a new account.

**ACTIVATE NOW**

**SCC74<sup>TH</sup> ANNUAL**

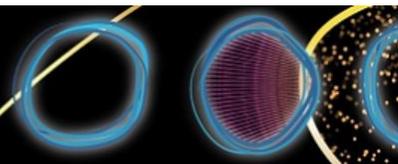


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## 2021 SCC Ontario Chapter Board Elections

It is time for the election of the 2021 SCC Ontario Chapter Board Members. We have two positions open for election this year: Chair-Elect and Treasurer.

**As a member of the SCC Ontario Chapter you will soon be sent specific instructions on how to cast your electronic vote!**

Elections are open to all General Members of the SCC Ontario Chapter. If you have any questions please contact one of the current board members listed below. The newly elected board members will be introduced at the November 5th, 2020 meeting. Thank you for taking time to vote. Your support of the SCC Ontario Chapter is greatly appreciated.

### 2019 SCC Ontario Chapter Board Members

Position	Name	Phone	Email
Chair	Saina Taida	647-622-7344	saina.taidi@gmail.com
Chair-Elect	Shahin Kalantari	416-567-6572	shahink@davicenna.com
Treasurer	Robert Castillo	416-740-5300	rob.castillo@univarsolutions.com
Secretary	Andrea Boylan	905-795-0911	andrea.boylan@andicor.com

### 2021 Ontario Chapter Candidates

#### CHAIR ELECT

Candidate: Mary Seifi

Mary Seifi is working as a Business Director for Grant Industries Inc in the Canadian market. Mary has assumed many roles within the cosmetic industry since 2004. She began her journey as a Formulating Chemist at Cover FX Skincare Inc, recognized for her dedication and fiery work ethic, she had also served as Technical Manager and Account Sales Manager in Tempo Canada Inc for over 10 years. She is well known among customers and colleagues for her bright, personable charisma and her comprehensive expertise of multiple fields within the cosmetic industry. Mary also helped foster future generations of cosmetic chemists as one of the Cosmetic Formulation Instructors working at Seneca College Cosmetic Science program. she earned her certification as a post-Diploma in Biotechnology at Seneca after having completed her Honours BSc in Biology. Mary has been a Board Member of SCC Ontario Chapter since 2009 and was given the honour of Chapter Chair for 2012. Mary is excited to further her involvement with SCC Ontario in the hopes of paving a brighter future for the cosmetic industry.

#### TREASURER

Candidate: Robert Castillo

Robert Castillo is currently a National Product Manager at Univar Solutions. Prior to this role Rob was a Sales Manager for the Ontario PC Team and before that an Account Manager calling on the Personal Care Industry for many year. He had started out at CHEMCENTRAL in 2000 and quickly found a home in the Personal Care Industry and continued this role when they were acquired by Univar in 2007. It was at that time that he joined the SCC and is now also an active member of the board and the current Ontario Chapter Treasurer.

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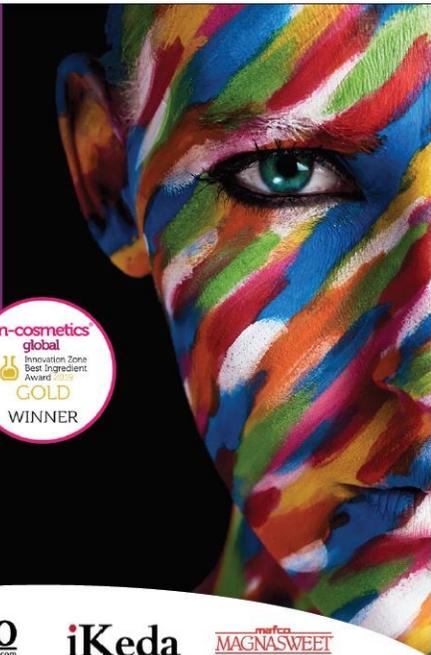


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## JOB OPPORTUNITY - FACULTY Professor, Cosmetic Science

**Competition #:** 1149

**Department:** Faculty of Applied Science and Engineering Technology

**Location:** Seneca@York Campus

**Position Type:** Full-Time

**Start Date:** August 24, 2020

### Position Summary:

Reporting to the Chair of the School of Biological Sciences and Applied Chemistry the professor is responsible for developing, preparing, and delivering courses within the Faculty of Applied Science & Engineering Technology (FASET) ensuring an effective and compelling learning environment for students.

### Program Area/Level:

Responsible for teaching courses within the Cosmetic Science Graduate Certificate program and other programs as appropriate.

### Qualifications:

#### Education

- Minimum completed Four (4) year degree in Chemistry, Organic Chemistry, Biology, Biochemistry, Pharmacology or related discipline is required. If education is in a related field of study, please state how it is related.

#### Experience

- Minimum one (1) year of teaching or training experience full-time or part-time capacity in post-secondary is required.
- Minimum five (5) years' relevant practical experience in the cosmetic industry and/or pharmaceutical industry such as formulation, research and development, quality control or manufacturing is required.

#### Skills

- Ability to engage with industry to encourage program and student development.
- Ability to work with other programs and schools to develop unique learning opportunities and pathways for students.
- Ability to convey conceptual and practical aspects of subjects to students while respecting their diverse backgrounds, experience and individual learning styles.
- Ability to work in a team with a commitment to a team approach for problem solving and conflict resolution.

**Note:** A teaching demonstration will be required during the recruitment process.

Seneca College is committed to diversity and encourages applications from qualified candidates, especially aboriginal persons, members of sexual minority groups, visible minorities, women and persons with disabilities. If you require accommodation during any part of the recruitment process, please contact [jobs@senecacollege.ca](mailto:jobs@senecacollege.ca).

**To apply:** Please submit your application online via [Seneca's Careers Page](#).

**We thank all applicants for their interest in this position, however, only those selected for an interview will be contacted.**



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## Scents and Sensibilities

*D*id You Know?

It is quite amazing how very small changes in an odourant's chemical structure can radically change our perception of its scent. For example, octanol, a synthetic compound used in perfumes and flavourings smells

sweet and fruity, while its very close relative, octanoic acid, smells rancid and pungent.

Even more surprisingly, sometimes a molecule will have a completely different odour depending on its concentration. One well-known example of this phenomenon is the odour of indole—when present at high concentrations, its scent has been described as putrid, bearing the strong smell of feces and/or moth balls. This makes sense, given the fact that indole is one of the chemical compounds present in our stool. However, the exact same molecule, when diluted to very low concentrations, has a pleasant, floral smell; it is found in jasmine and orange blossoms, and is even added to some perfumes.

Then there is trans-2-butene-1-thiol, the major culprit in skunk stench. It is devastating at any concentration. How can it and its chemical cousins be neutralized? Tomato juice won't do it. That's a myth. The only thing tomato juice will do is create a mess, leaving us with the added problem of removing tomato juice from clothing, floors and walls. It will also turn white dogs pink. Luckily, there is a formula that works. Take one liter of 3% hydrogen peroxide (available in pharmacies), add one quarter cup of baking soda and 1 teaspoon liquid dishwashing detergent. Wash the cat or dog (or child) with this mixture and rinse with lots of water. Presto! The smell is almost completely eliminated. Save the tomato juice for your Bloody Mary.

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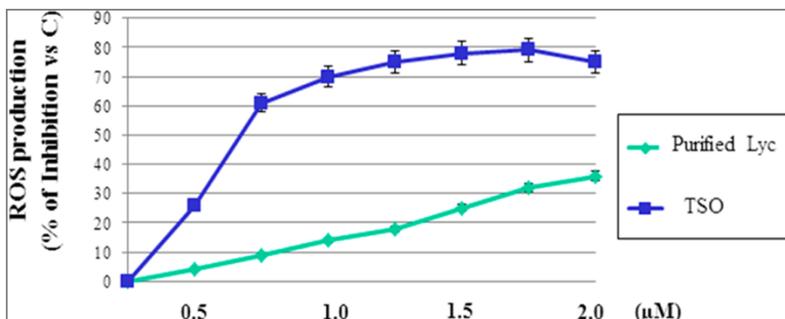
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## Phyto Complexes

As the quest for natural ingredients is growing, the interest in phyto-cosmetics is raising. Phyto in Greek means plant and phyto-cosmetics are products based on natural plant extracts or containing predominantly ingredients derived from plants such as polyphenols, vitamins, etc. Since I started working on ingredients development 15 years ago, I focused my attention on natural extract, especially those rich in active molecules, preferably from the same chemical family (1, 2). My grandfather introduced phyto-cosmetics in Italy in the early 30s and I read some of his early publications. In particular, I was intrigued by how he described the power of ingredients families or phyto-complexes when compared to single ingredients from the same family. In the late 50s he published together with my uncle, at the time a young chemist in Milano, a paper on beta carotene where he highlighted the capacity of carotenoids as a family to have a more powerful effect than single molecule beta carotene on a series of skin benefit (beta carotene was used at the same concentration of the phyto-complex). We know that plants are often mobilizing different isoforms, variants of same molecule to create a more effective and sophisticated response to a particular need. Molecule families are common, they often work in synergies and there are evidences that molecules belonging to the same family can protect each other against oxidation, so increasing stability of the phyto-complex. Phyto-complex is not a new definition neither a new concept, but I think the recent understanding of the importance of a multifactorial and synergetic approach when formulating a product for cosmetic applications has brought a renovated interest into this strategy and into phyto-complexes. While in the last 50 years the approach to treatment was a reductionist approach based on single purified molecules (often compared to a plant extract with little efficacy), more recently a comprehensive approach based on plant extract fractionation and enrichment has proven to be as effective as single molecules, and often more stable in finished formulations. Phyto-complexes are also the basis of modern aromatherapy, where complex composition of essential oils showed therapeutic values to treat conditions associated to diseases (3). Moreover, studies have shown that encapsulation of polyphenols phyto-complexes were able to increase wound healing (4). Interestingly, when single molecules were combined with their phyto-complex, the complex acted as an enhancer to increase molecule bioavailability, and helping stabilizing the molecule itself (5). Numerous experiments have shown the phyto-complex superior to the single molecule in mechanisms meant to reduce inflammation, such as autophagy (4) and apoptosis (5). Carotenoid such as lycopene was significant inferior in anti-oxidant activity when compared to tomato seed phyto-complex (6, 7). Finally and intriguing, combination of phyto-complexes from different parts of the same plant was superior to single plant part extracts when used for healing (8). In conclusion, evidences exist to support the use of phyto-complexes instead of (or in combination) with single molecules from the same family. The use of phyto-cosmetics and phyto-complexes will grow in the next years as more experimental evidences on their stability and efficacy will be established.



Tomato Seed Oil (TSO) is superior to Purified Lycopene (Lyc) in inhibiting ROS production (Ref 8)

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## Dues Renewal

Renewal notices for 2021 membership were sent out in August. The second notices will be sent early October and Final notices will be sent end of November and beginning of December. Dues fees are US\$155.00.



Members who do not renew by December 31st will be made inactive.

## SCC ONTARIO EMAIL REGISTRATION

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## Programs and Privileges

**Journal** - Membership includes subscription to the Journal of Cosmetic Science, the Official Journal of the Society of Cosmetic Chemists. The Journal contains technical papers on topics of interest to cosmetic scientists and is distributed six times per year.

**Meetings & Seminars** - The Society holds its Annual Scientific Meeting each December. The Meetings and Seminars provide a forum for an exchange of current findings and technology on topics of global interest in cosmetic science.



**Continuing Education Programs** - Our CEP Programs are short courses taught by practicing cosmetic scientists and perfumers, all acknowledged experts in their disciplines.

**Chapters** - Each member is assigned to one of nineteen Chapters throughout the United States and Canada, according to his or her geographic location. Chapters hold local scientific meetings throughout the year, and many publish their own newsletters.

**I.F.S.C.C.** - The Society of Cosmetic Chemists is one of 42 member organizations within the International Federation of Societies of Cosmetic Chemists.

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## NEWSLETTER POSTING DATES FOR 2020

Here are the dates for 2020 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- ◆ January 9th
- ◆ February 18th
- ◆ April 30th
- ◆ August 27th
- ◆ October 8th



(or as close as we can get)

Should posting dates change throughout the year the most up to date list can be found at;

<http://www.ontarioscc.org/newsletters.htm>



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Kashif Mazhar  
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[kashif@vivachem.ca](mailto:kashif@vivachem.ca)



## Presenters Welcome!!!



The SCC Ontario Chapter board is currently accepting submissions for presentations! Interested parties can submit a presentation abstract and a biography. Your talk may be accepted for either a Chapter meeting or Education Day.

Please send all enquiries to Andy Halasz (speaker coordinator) at

[bhalasz39@gmail.com](mailto:bhalasz39@gmail.com)



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## UPCOMING EVENTS

September 23rd, 2020 FREE On-Line Seminar	Education Day—FREE On-Line—Cosmetics Going Green (or Simply Greenwashing)? The Greening of Cosmetic Products: Consumers, Market, Regulation & Certification Standards” - Wen Schroeder
November 5th, 2020 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
November 27th, 2020 The Venetian, Vaughan ON	Annual Holiday Dinner Dance <i>Cancelled</i>
February 4th, 2021 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
March 10th, 2021 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
April 6th, 2021 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
July 22nd, 2021 Caledon Woods Golf Club	20th Annual SCC Ontario Golf Tournament



## ONTARIO CHAPTER SCHOLARSHIP PROGRAM SOCIETY FOR COSMETIC CHEMISTS

The support of Cosmetic Science Education and Research are central to the goals of the Society of Cosmetic Chemists (SCC). The Ontario Chapter has developed a Scholarship Program available to students planning to complete cosmetic science research in Canada. In the past, the \$1000.00 award has been presented to students from Seneca College, University of Toronto, University of Waterloo, University of Guelph and McMaster University. The program began in 2003 and over 20 students have received awards.

Interested students are invited to submit a brief one page outline to Dennis Zuccolin, Director of Scholarships at [dzuccoli@estee.ca](mailto:dzuccoli@estee.ca). The scholarship applications will be reviewed by the SCC Ontario Chapter Board members. Students awarded a scholarship can also apply for additional support (up to \$1000.00) to cover research and development costs, training and conference expenses.

The Ontario Chapter has supported the Seneca College Cosmetic Science Program and students by providing several scholarships. Students of the Seneca School of Biological Science and Applied Chemistry will also be supported with a new award starting in the current school year.

Successful scholarship and award candidates are encouraged to attend SCC meetings, volunteer at events, collaborate with members, prepare a poster presentation, write an article for the newsletter and make an oral presentation on their research at a chapter meeting.

## NORTHERN HIGHLIGHTS STAFF

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## MEMBERSHIP

For those who would like to become members, yearly fees are \$155 US. Applications are available from your Executive Committee or on-line at;

<http://www.sconline.org/membership/>

Please return the completed form at your convenience and reap the benefits of the SCC. For renewal memberships, please send payments directly to the SCC National Office. For your convenience, National will accept payment by **VISA, Mastercard or AMEX**. Please contact National for details.

## Presentation Library

Peruse our wide selection of presentations from previous meetings

<http://www.ontarioscc.org/presentations.htm>

### ATTENTION MEMBERS

**Unemployed and Emeritus members may continue to attend monthly meetings free of charge.**

**Please contact the registration booth upon arrival.**

**Unemployed membership is free of charge by submitting the renewal form with unemployment details.**



## Address Changes??

Throughout the year many of our members change jobs or relocate and forget to notify the National Office. Without notification, these members may not receive important mailings and eventually are made inactive. If you know of someone who has moved, please ask them if they have contacted the National Office regarding their address change.



# NORTHERN HIGHLIGHTS

The SCC Ontario Chapter's Newsletter



October 2020

Volume XCV

## 2020 Ontario Chapter Officers

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## FREE ON-LINE SCC CHAPTER MEETING

"Plant Doctors for Cosmetics, from Snake  
Oil to 21st Century Technologies"  
- Joe Dallal

**NOVEMBER 5th, 2020**

## PRE-REGISTER FOR THIS VIRTUAL CHAPTER MEETING

As this particular event is an "On-Line" meeting simply click on the button below which will take you to our registration page. You will receive a calendar invite with the link to the meeting.

[\*\*Click Here  
To Register\*\*](#)



## FREE ON-LINE SCC CHAPTER MEETING



***“Plant Doctors for Cosmetics, from Snake Oil  
to 21st Century Technologies”***

- Joe Dallal

**NOVEMBER 5th, 2020**

**4pm ET**

[Join live event](#)

### **LIVE On-Line**

**Upon registering you will be sent a calendar invitation that will connect you  
to the presentation**

**FREE for SCC Members  
(Pre-Registered)**

#### **ABSTRACT:**

Have you ever wondered where Extracts come from? Wonder how they were made? Where do you start, how to choose a plant, what techniques to employ? Let's review some newer technologies than the ones I employed in my Graduate Thesis work, a few years ago....Phytolacca Americana Peptide –PAP.

You may contact the presenter, send questions ahead of time, at [jdallal@ashland.com](mailto:jdallal@ashland.com)

#### **BIO:**

Joseph Dallal was raised in his Mother's salon and his Father's Research Chiropractic worlds, offices and tradeshow; he was licensed in Cosmetology in Tx and Ct; he made his first Shampoos and Perms as a late teen in the dispensary. He worked his way through College, in his Mother's salon. Joseph's Graduate Thesis involved studying the inhibition of protein synthesis, using a Peptide they extracted from a Plant.

His first position, in the Personal Care Development Industry, was formulating for RedKen in California; followed by formulating for Zotos (he knew both companies well as a consumer, Cosmetologist, and trade show attendee since before he could walk -both companies have been leaders, innovators, movers and shakers, influencers in the industry and what an experience to learn how those products, he had used and promoted, had been researched, formulated, and produced -the forbidden territory for consumers and Cosmetologists). Then Joseph continued upstream to affect the Industry at ISP, which morphed into Ashland Specialty Ingredients. He continued to develop formulations, launch new ingredients, develop Claims Substantiation methods, present globally, teach/Cameo classes at Universities for Masters in Cosmetic Science programs (Lectures and Hands-On Labs).

Mr. Dallal joined the SCC in 1978, became active in Chapter/Area Director/National Committees/2012 National SCC President and others along the way. He really enjoys Brainstorming and Troubleshooting new concepts, as well as lab and production roadblocks. He has appreciated the Science his Father brought to him, and my Mother's Salon Business and Art/Practicing/Customer Service, which has developed the foundation of his insights into the mechanistic approach to formulation, formulas, application, design of claims substantiation and categorization of ingredients and chassis. It's amazing how much you can learn as a team, building on each other's ideas and standing on the shoulders of those who came before. It's always time to pay it forward.

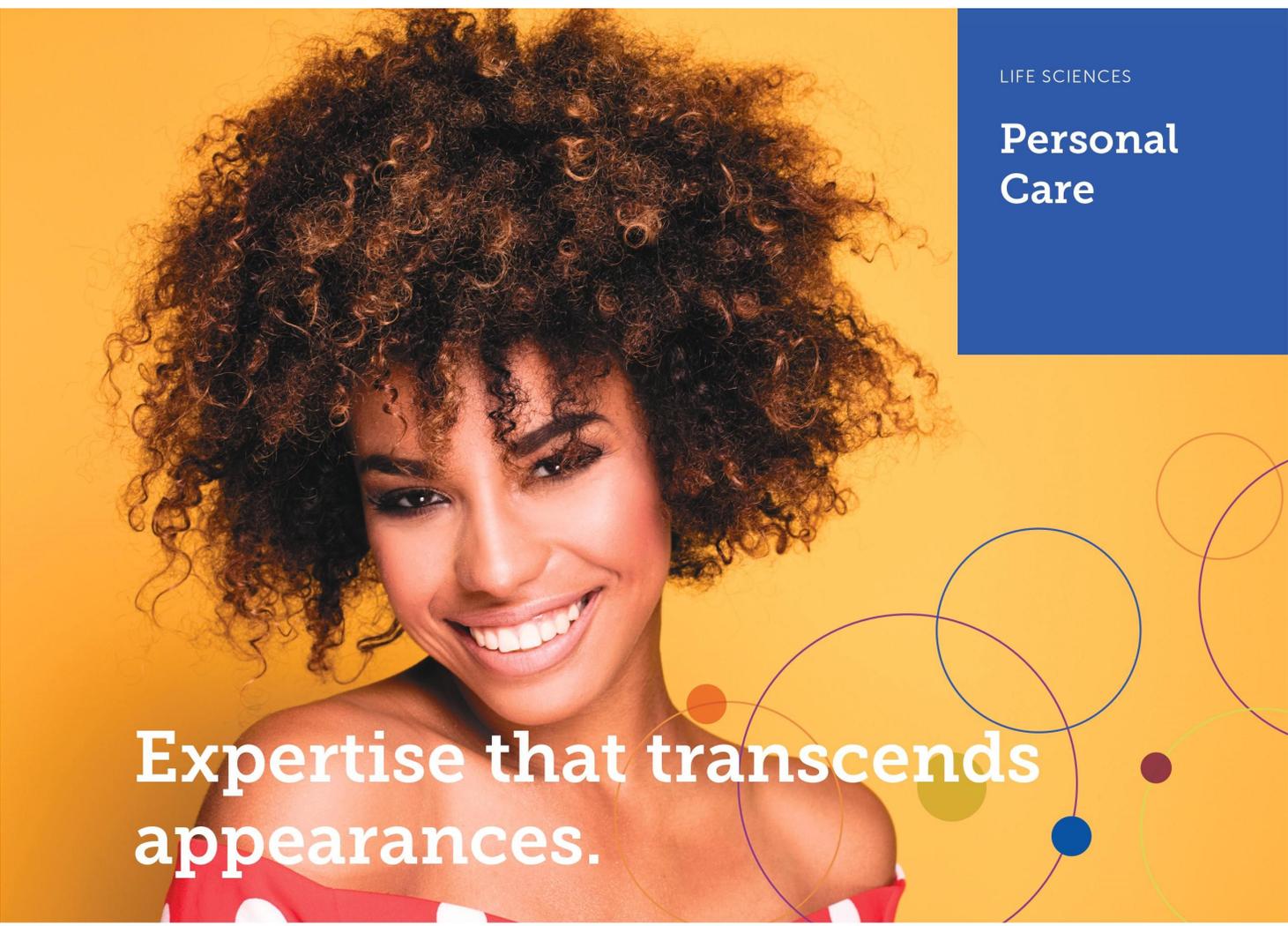
#### **Outside of the Mobile corporate office:**

Joseph Dallal is always developing new concepts and recipes, whether it is on the grill, in a double boiler, with a Compound Miter Saw, in the compost garden, or fermenting milk for Yogurt. Hypothesizing and using the Scientific method makes every day an adventure. You can always get a commentary/critique on his developments/prototypes, from his lovely wife and three dynamic daughters.



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Dedicated to the Advancement of Cosmetic Science

## SCC -About Our Organization

Dedicated to the advancement of cosmetic science, the Society strives to increase and disseminate scientific information through meetings and publications. By promoting research in cosmetic science and industry, and by setting high ethical, professional and educational standards, we reach our goal of improving the qualifications of cosmetic scientists. Our mission is to further the interests and recognition of cosmetic scientists while maintaining the confidence of the public in the cosmetic and toiletries industry.

Comprised of over 4,000 members, the Society of Cosmetic Chemists was founded in 1945 to promote high standards of practice in the cosmetic sciences. We serve as a focus and provide the proper forums for the exchange of ideas and new developments in cosmetic research and technology.

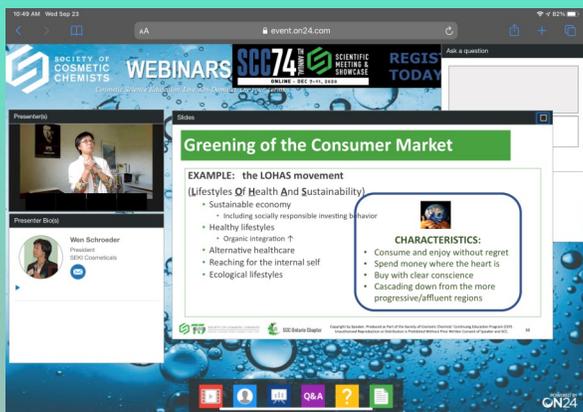
Since 1948 Chapters have been the lifeblood of the Society of Cosmetic Chemists. We now have 19 Chapters throughout the United States and Canada which conduct monthly meetings, educational seminars, suppliers' days and publish monthly newsletters. These Chapters are run by dedicated volunteers who lend their time and expertise to the smooth and efficient operation of each Chapter. Download an application: [http://www.sconline.org/website/about\\_scc/member\\_application.htm](http://www.sconline.org/website/about_scc/member_application.htm)



# SCC ONTARIO EDUCATION DAY SEMINAR



On Wednesday September 23rd the SCC Ontario Chapter held its first ON-LINE SEMINAR hosted by “SCC Webinars”. The event was free for SCC members and it was attended by almost 200 members from various North American Chapters.



The title for the seminar was “Cosmetics Going Green (or Simply Greenwashing)? The Greening of Cosmetic Products: Consumers, Market, Regulation & Certification Standards” and was presented by **Wen Schroeder**, president of SEKI Cosmetics.

The program was presented in 2 parts. Session 1: The Green Trending of Global Cosmetic/Personal Care Market & Legislative Movement. Session 2: Green Cosmetic/Personal Care Product Certification Schemes

The objective of the seminar was for participants to come away with the ability to understand the key driving forces behind the global sustainable consumer movement as well as the major trends in developing sustainable cosmetic/personal care products. Wen also discussed pertinent global regulation & legislation relevant to “green” personal care products



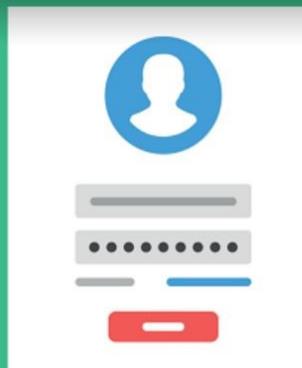
**SCC74<sup>TH</sup> ANNUAL SCIENTIFIC MEETING & SHOWCASE** December 15–16, 2020  
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## HAVE YOU ACTIVATED YOUR SCC PORTAL ACCOUNT?

We have recently improved our member’s experience on the SCC Portal, formerly known as the Member Portal.

If you have not logged in to the SCC Portal since 07/14/2020 then you will need to create or activate a new SCC account.

**ACTIVATE NOW!**



## Activate Your SCC Portal Account

**NEWLY REDESIGNED PORTAL**

You will notice things look a little different on our updated SCC Portal! In order to access membership benefits or Annual Meeting registration information, you will need to activate or create a new account.

**ACTIVATE NOW**

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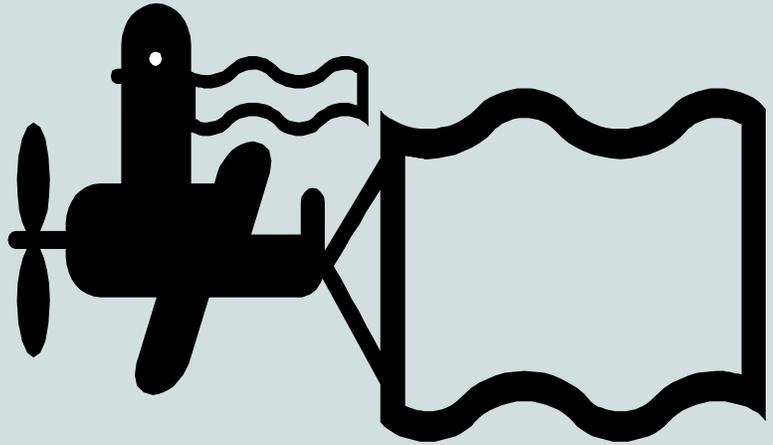
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## SURVEY SAYS...

Please keep an eye out for our “**post meeting**” opinion surveys following our Chapter meetings and special events. Each year the **Ontario Chapter** is privileged to host many fine speakers and we would like to recognize them for their efforts. Following each meeting attendees will receive a **very short survey** asking to rate the speaker. Responding gives you a chance to win a \$25 gift card!

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# SCC Membership Dues Renewal

Renewal notices for 2021 were mailed out recently. Final notices will be sent at the end of November. Dues fees are US\$150.00.

**Please note you can now  
renew ON-LINE! Go to**

**<https://www.ontarioscc.org/join.htm>**

As a member your login is your email address on file and your password is your two initials in CAPS followed by your membership number.

**Members who do not renew by  
December 31st will be made  
inactive.**

## Membership Programs and Privileges

**Journal** - Membership includes subscription to the Journal of Cosmetic Science, the Official Journal of the Society of Cosmetic Chemists. The Journal contains technical papers on topics of interest to cosmetic scientists and is distributed six times per year.

**Meetings & Seminars** - The Society holds its Annual Scientific Meeting each December. The Meetings and Seminars provide a forum for an exchange of current findings and technology on topics of global interest in cosmetic science.

**Continuing Education Programs** - Our CEP Programs are short courses taught by practicing cosmetic scientists and perfumers, all acknowledged experts in their disciplines.

**Chapters** - Each member is assigned to one of nineteen Chapters throughout the United States and Canada, according to his or her geographic location. Chapters hold local scientific meetings throughout the year, and many publish their own newsletters.

**I.F.S.C.C.** - The Society of Cosmetic Chemists is one of 42 member organizations within the International Federation of Societies of Cosmetic Chemists.



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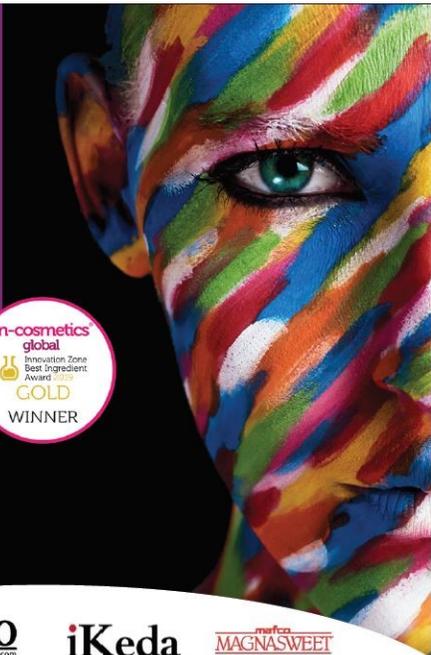


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## Seaweeds: Cosmetic Applications

The ocean bioflora is rich in plants producing molecules essential for their survival that can be useful to protect our skin.

Seaweeds are an amazing source of natural molecules for both nutrition and topical use. They are rich sources of minerals (including the essential micronutrient iodine), bioactive polysaccharides, carotenoids and even proteins, along with a small content of healthy lipids. They have been described as 'an ideal food'.



Seaweeds are rich in phenols derivatives and polysaccharides with protecting activity (Ref 1, 2) For example, marine polyphloroglucinols, found in brown seaweed, are phenols derivatives with powerful antioxidant properties and significant activity against the damaging free radicals (Ref 3). Brown seaweeds also contain a slippery compound called fucoidan that assists with protection from marine pathogens. Fucoidan is a fucose-rich polysaccharide with anti-viral, immune modulating and matrix metalloprotease inhibiting properties (Ref 4).

Sea-harvested brown algae are known to have skin benefits and previously have been associated with an increase in skin elasticity (Ref 5). However, it is still difficult to formulate seaweed extracts due to color, scent, incompatibility. Research has moved into isolating the main components from seaweeds, allowing the formulator to use smaller concentrations of the extract. These lower levels reduce the risk of incompatibilities and material setting, color issues and scent, improving overall stability (Ref 6).

Seaweed components such as polysaccharides and phenols derivatives have proven to bring skin soothing and anti-aging properties when tested topically in clinical trials (Ref 7) and are promising ingredients to develop effective skin care products.

### References

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*The author wishes to thank Dr Helen Fitton, marine scientist, for contributing to this blog.*

### Guest Author: Giorgio Dell'Acqua, PhD

Giorgio Dell'Acqua, PhD, has been an investigator in applied biomedical research for 15 years and he has spent the last 16 years as an executive and cosmetic scientist in the personal care industry. He is specialized in skin and hair care ingredients, finished product development and technical marketing. He has covered multiple roles as a manager and director in different companies specialized in active ingredients and product development. He has helped bring more than 100 successful active ingredients and finished products to market and has authored more than 50 publications in medicine and cosmetic science. In the last 10 years he has been writing and lecturing on sustainability and cosmetic ingredients and helped sourcing, developing and bringing to market many sustainable ingredients. He is a recent award winning speaker on sustainability and natural ingredients and a regular columnist on sustainable cosmetic science.

*Blog compliments of Giorgio Dell'Acqua*

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During World War II, the British Royal Air Force started a rumour that carrots gave their fighter pilots sharp vision and accuracy. This was not true. Radar was responsible for their success against the Luftwaffe. But the British wanted to keep this a secret from their enemies. So naturally, they planted a false trail. Yes, it's true that carrots are excellent source of beta-carotene, the body's precursor for vitamin A, but studies have shown vision benefits will only be seen when there is a deficiency of vitamin A. Nonetheless, there are many studies suggesting that carrots lead to a variety of health benefits; therefore, it's not a bad idea to incorporate carrots in your diet. Don't overdose though, unless you fancy an orange countenance.

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Interested in receiving periodic emails to keep you up to date on your SCC Ontario Chapter, including newsletter notifications? If so please visit the following link to register your email address;

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Please note your email information will be used for SCC information purposes **ONLY!**

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## NEWSLETTER POSTING DATES FOR 2020

Here are the dates for 2020 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- ◆ January 9th
- ◆ February 18th
- ◆ April 30th
- ◆ August 27th
- ◆ October 8th



(or as close as we can get)

Should posting dates change throughout the year the most up to date list can be found at;

<http://www.ontarioscc.org/newsletters.htm>



In the Ontario SCC Region:  
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Kashif Mazhar  
416.624.8566  
[kashif@vivachem.ca](mailto:kashif@vivachem.ca)



## Presenters Welcome!!!



The SCC Ontario Chapter board is currently accepting submissions for presentations! Interested parties can submit a presentation abstract and a biography. Your talk may be accepted for either a Chapter meeting or Education Day.

Please send all enquiries to Andy Halasz (speaker coordinator) at

[bhalasz39@gmail.com](mailto:bhalasz39@gmail.com)



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# CALL FOR ADVERTISERS!!



The SCC Ontario Chapter would like to take this opportunity to thank all of our sponsors for the 2020 Newsletters. Now is the time to request advertising for the year 2021. We will be maintaining our rates for 2021. The rates as listed will include a minimum of 5 issues of our newsletter.

All fees will be due by December 31, 2020 and must be received in order to be included in our January 2021 issue.

Since the newsletter is offered in an electronic Adobe format, we prefer colour versions of your ads as they will translate much better and stand out to the reading public.

If you are a new company looking to advertise with us, please submit the registration form found below. Currently we have a waiting list for new advertisers and preference will be given to those currently on the list. When spaces open up you will be notified and given the option to submit your ad.

If throughout the year you would like to replace your ad with a more recent version this can be done at any time. The ad will be changed in the next issue of the newsletter. Newsletter posting dates can be viewed at;

<http://www.ontarioscc.org/newsletters.htm>

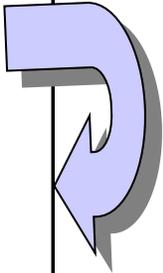
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8 X 8	\$1200.00

## CONTACT

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## UPCOMING EVENTS

November 5th, 2020 The Venetian, Vaughan ON		SCC Ontario Chapter Meeting— “Plant Doctors for Cosmetics, from Snake Oil to 21st Century Technologies” - Joe Dallal
November 27th, 2020 The Venetian, Vaughan ON		Annual Holiday Dinner Dance <i>Cancelled</i>
February 4th, 2021 The Venetian, Vaughan ON		SCC Ontario Chapter Meeting— TBA
March 10th, 2021 The Venetian, Vaughan ON		SCC Ontario Chapter Meeting— TBA
April 6th, 2021 The Venetian, Vaughan ON		SCC Ontario Chapter Meeting— TBA
July 22nd, 2021 Caledon Woods Golf Club		20th Annual SCC Ontario Golf Tournament



## ONTARIO CHAPTER SCHOLARSHIP PROGRAM SOCIETY FOR COSMETIC CHEMISTS



The support of Cosmetic Science Education and Research are central to the goals of the Society of Cosmetic Chemists (SCC). The Ontario Chapter has developed a Scholarship Program available to students planning to complete cosmetic science research in Canada. In the past, the \$1000.00 award has been presented to students from Seneca College, University of Toronto, University of Waterloo, University of Guelph and McMaster University. The program began in 2003 and over 20 students have received awards.

Interested students are invited to submit a brief one page outline to Dennis Zuccolin, Director of Scholarships at [dzuccoli@estee.ca](mailto:dzuccoli@estee.ca). The scholarship applications will be reviewed by the SCC Ontario Chapter Board members. Students awarded a scholarship can also apply for additional support (up to \$1000.00) to cover research and development costs, training and conference expenses.

The Ontario Chapter has supported the Seneca College Cosmetic Science Program and students by providing several scholarships. Students of the Seneca School of Biological Science and Applied Chemistry will also be supported with a new award starting in the current school year.

Successful scholarship and award candidates are encouraged to attend SCC meetings, volunteer at events, collaborate with members, prepare a poster presentation, write an article for the newsletter and make an oral presentation on their research at a chapter meeting.

## NORTHERN HIGHLIGHTS STAFF

PUBLISHER:	ROB QUINLAN AZELIS CANADA INC	ph: 905-595-2618	rob.quinlan@azelis.com
EDITOR:	ANDREA BOYLAN ANDICOR SPECIALTY CHEMICALS CORP	ph: 905-795-0911	andrea.boylan@andicor.com
ADVERTISING:	VERA MATOVINA PLANT POWER	ph: 416-766-1254	vera@plantpower.ca

## MEMBERSHIP

For those who would like to become members, yearly fees are \$155 US. Applications are available from your Executive Committee or on-line at;

<http://www.sconline.org/membership/>

Please return the completed form at your convenience and reap the benefits of the SCC. For renewal memberships, please send payments directly to the SCC National Office. For your convenience, National will accept payment by **VISA, Mastercard or AMEX**. Please contact National for details.

## Presentation Library

Peruse our wide selection of presentations from previous meetings

<http://www.ontarioscc.org/presentations.htm>

### ATTENTION MEMBERS

**Unemployed and Emeritus members may continue to attend monthly meetings free of charge.**

**Please contact the registration booth upon arrival.**

**Unemployed membership is free of charge by submitting the renewal form with unemployment details.**



## Address Changes??

Throughout the year many of our members change jobs or relocate and forget to notify the National Office. Without notification, these members may not receive important mailings and eventually are made inactive. If you know of someone who has moved, please ask them if they have contacted the National Office regarding their address change.