



# NORTHERN HIGHLIGHTS



## The SCC Ontario Chapter's Newsletter



January 2024

Volume CXI

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### SCC ONTARIO CHAPTER LUNCH MEETING

*"Enhancing Skin Barrier Integrity: A Comprehensive Evaluation of a barrier support serum and its active technologies"*

- Lakshana Sreenivasan

### PRE-REGISTER FOR THIS CHAPTER MEETING

As this meeting is an "in person" event simply click on the button below which will take you to our registration page. You can then either bring the payment with you or send a cheque to [rob.castillo@univarsolutions.com](mailto:rob.castillo@univarsolutions.com) Please make your reservation before the Monday prior to the meeting.

**Click Here To Register**

# SCC ONTARIO CHAPTER LUNCH MEETING

*“Enhancing Skin Barrier Integrity:  
A Comprehensive Evaluation of a barrier support serum and its active technologies”*

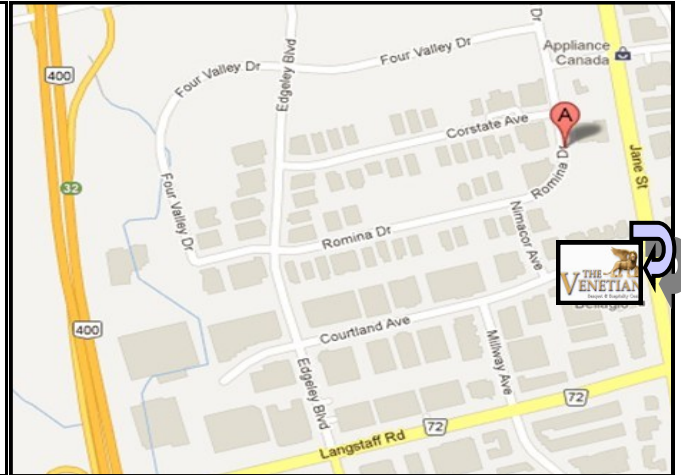
- Lakshana Sreenivasan

**February 1st, 2024**

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

**Time:** 12:30 p.m. **Registration/Networking**  
1:00 p.m. **Lunch**  
2:00 p.m. **Presentation**

**Fees:** \$60 pre-paid SCC member  
\$70 pre-paid non-member  
\$30 pre-paid student  
\$75 at the door



## Abstract:

*“Enhancing Skin Barrier Integrity: A Comprehensive Evaluation of a barrier support serum and its active technologies”*

The skin barrier, composed of multiple elements including Natural Moisturizing Factors, lipids, and skin cells, plays a pivotal role in protecting against water loss and external stressors. Disruption of this barrier can result in skin issues such as dehydration, dryness, redness, and discomfort, making barrier support a crucial aspect of skin care. A barrier support formulation was developed to assess performance of an active complex to maintain and restore skin barrier health, effectively addressing these concerns. To assess how the formulation and ceramide complex impact the function of the skin barrier, we examined the expression of E-cadherin and the thickness of the epidermis in human. E-cadherin is a cell adhesion molecule that plays a crucial role in maintaining the integrity and barrier function of the skin. It is predominantly expressed in the epidermis and contributes to the formation and maintenance of the skin barrier by mediating the adhesion between adjacent keratinocytes. Disruptions or alterations in E-cadherin expression or function can compromise the integrity of the skin barrier. Human skin explants treated with barrier support formulation and ceramide complex induced a qualitative increase in E-cadherin expression compared to untreated samples. In addition, the formulation and ceramide complex exhibited a significant increase in epidermal thickness when compared to untreated controls, indicating a potential strengthening effect on the skin barrier. Remarkably, this *ex vivo* study complements clinical data from an *in vivo* study. The findings from the *in vitro* study, showing increased E-cadherin expression and potential barrier improvement in treated skin explants, align with the observed reduction in TEWL seen in the *in vivo* study. Furthermore, the active technologies in the formulation offers immediate soothing hydration, reduces redness over time, and provides an boost in skin hydration. In conclusion, active complex has demonstrated efficacy in enhancing skin barrier integrity and function, ultimately leading to improved overall barrier health.

## Biography:

Lakshana Sreenivasan is an accomplished Clinical Research Senior Scientist at DECIEM, with a distinguished academic background including a bachelor's degree from the University of Arizona and a PhD in Experimental Medicine from The University of British Columbia. With over a decade of experience in research and development, Lakshana Sreenivasan has played a pivotal role in the design and implementation of cell and tissue-based assays. Her impactful research stemming from her prior work has been disseminated through conferences and as first-author publications. Currently, based at the Toronto headquarters, Lakshana is a key member of the Clinical Research Lab at The Ordinary, leading efforts in evaluating product performance and garnering clinical acclaim for The Ordinary.





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# ANNUAL HOLIDAY DINNER DANCE

## NOVEMBER 24TH, 2023



We had over 225 enthusiastic members and spouses attending this year! All were in good cheer as we started the evening with the ever popular Antipasto Table. Attendees were then treated to an exotic Latin dance show by **Latin Energy!** As well, this year **Matt Dean** returned after a years absence to once again entertain the crowd with his DJ skills as well as his vocal stylings!

The Venetian Banquet Hall and Hospitality Center put together a delicious dinner that included Asparagus Risotto, Fillet Mignon with Cognac Sauce, Fillet of Salmon and ended the night with a sweets table that everyone really enjoyed.

Table favours for the night were generously donated by **Vitabath!** We would also like to thank our sponsors for the evening; **Azelis Canada, Barentz and Essential Ingredients.** We would also like to thank all the companies listed below who generously donated gifts to the prize table!

Finally, we even managed to do some business as Area V Director Dorothy Maraprossians installed our SCC Ontario Chapter officers for 2024; Rob Castillo (Treasurer) Tanya Baksh (Secretary) Monika Melao (Chair) and Shahin Kalantari (Chair Elect). Congratulations to all!

Thanks to all who attended and we look forward to next year!



### Our Generous Prize Table

#### Sponsors

- Aquatech
- Azelis Canada Inc.
- Barentz
- Canadian Custom Packaging
- Estee Lauder
- IMCD
- LBB



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

The SCC Ontario executive committee is proud to announce that this year's annual "Toy Mountain" toy drive at the Holiday Dinner Dance was a great success!!



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 choice of silent action prizes including a \$500 grand prize!



## PARTNERSHIP ANNOUNCEMENT



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# *A farewell from the chair...*

It has been a great honour serving as the Chair for this past year/2023. The Ontario SCC Chapter has had a great year organizing events providing scientific information, innovation, and research within the cosmetics industry.



I am proud to say the SCC Ontario Chapter have successfully achieved our goals for 2023 - promoting our industry, educating its members, connecting/maintaining strong connections/relationships.

I would like to thank everyone for all their support over the years and for the knowledge and connections I have made through the Society of Cosmetic Chemists.

I strongly encourage everyone in our industry to be a part of the SCC – My career successes have been greatly influenced by the knowledge and networking connections I have made throughout the years.

I will continue to support and engage in future SCC successes, events as a continuing/ongoing SCC Member.

Wishing everyone a Fantastic 2024!

*Liz Pettsis*

Chair 2023, Ontario Chapter

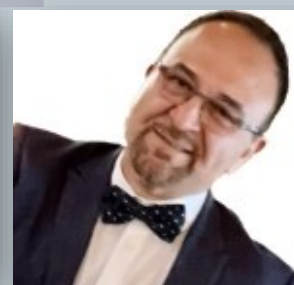
## **INTRODUCING OUR 2024 ONTARIO CHAPTER OFFICERS**

During our annual Holiday Dinner Dance on November 24th our Area V Director from SCC National, Dorothy Maraprossians installed our incoming officers for 2024.

Serving as our Chapter Officers for 2024 are;

Monika Melao - Chair  
Shahin Kalantari - Chair Elect  
Tanya Baksh - Secretary  
Rob Castillo - Treasurer

We wish them well in executing their duties for 2024!!



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# What does Chat GPT mean for beauty and cosmetic chemists?

By, Perry Romanowski

No doubt you have heard about Chat GPT which seems to have taken the world by storm. AI is a fast growing and ever developing field and will have far reaching effects on consumers and industry... including beauty.

But, before we dive into the impact on beauty, let's start with a brief overview of what Chat GPT actually is. Chat GPT is conversational AI which combines machine learning, natural language processing and natural language generation to communicate and converse with humans. Conversational AI can answer questions, understand sentiment, and mimic human conversations.

So, you may be wondering how conversational AI will impact cosmetic chemists and the beauty industry? Well, I decided to ask it.



## How will Chat GPT impact the beauty industry?

*"The use of Chat GPT in the beauty industry can provide several benefits. For instance:*

1. *Personalized Recommendations: Chat GPT can generate personalized recommendations for different types of skincare and beauty products based on the user's skin type, skin issues, and desired beauty goals. This personalized approach can help users find the perfect products for their unique needs, leading to more satisfied customers.*
2. *Virtual Try-Ons: Chat GPT can assist in creating virtual try-on experiences for makeup products. This can help customers try on different makeup looks virtually before purchasing, leading to an increase in customer satisfaction.*

*Improved Customer Service: With the help of Chat GPT, beauty brands can improve their customer service by providing quick and accurate responses to customers' inquiries about products, orders, shipping, and returns. It can handle customer queries 24/7 with the same efficiency.*

*Overall, Chat GPT can help the beauty industry provide better customer experiences, enhance brand loyalty, and increase revenue."*

## How can Chat GPT help cosmetic chemists?

*"Here are some possible ways that Chat GPT could benefit the field of cosmetic chemistry:*

1. *Enhanced Product Development: Chat GPT can help cosmetic chemists gather feedback from customers to refine and improve formulations. By analyzing customer reviews and feedback on specific cosmetic products, Chat GPT can provide valuable insights into what works and what doesn't for customers in terms of ingredients, formulation, and packaging.*
2. *Streamlined Testing and Development: Chat GPT can automate the testing and development of new cosmetic products, which can speed up the process and reduce costs. This technology can help predict the properties of new ingredients and formulations, optimize the manufacturing processes, and reduce the risk of negative side effects.*
3. *Improved Personalization: Chat GPT can assist in creating customized cosmetic products that meet the needs of individual consumers. This technology can help identify the individual needs of consumers and suggest personalized products to address their specific issues.*

*Improved Communication: Chat GPT can help cosmetic chemists communicate better with customers by providing an efficient and automated customer service channel. This technology enables consumers to ask questions, receive instant answers, and resolve their queries effectively and efficiently."*

*Overall, Chat GPT technology has the potential to assist cosmetic chemists in creating innovative products, improve the manufacturing process, reduce costs, and improve customer satisfaction by offering unique personalization options. It can ultimately benefit the industry by improving the quality of products and fostering customer loyalty.*

*Continued on page 14*

# JOB SEARCH

Hain-Celestial Canada, a division of the US-based Hain Celestial Group, is a leading organic and natural products company with operations in North America, Europe and India. We provide consumers with superior food and personal care products for a healthier way of life. We are currently seeking a qualified individual to fill the role of **R&D Chemist (Contract)**.

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- Analyze experimental data and formulate conclusions
- Participate in, and contributes to, a team environment in which all members share information and support departmental priorities
- Develop strong working relationship with other department members
- Assist in the preparation of marketing samples
- Maintain accurate formula records and documentations

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## **COMPETENCIES**

- The ability and interest to work in laboratory environment
  - Knowledge of production capabilities and unit operations; ability to perceive and communicate technical opportunities
  - Technical competence, with a good understanding of personal care chemistry and ingredient technology
  - Good organizational and time management skills; ability to prioritize effectively, manage multiple projects simultaneously and work under pressure
  - Demonstrated understanding of how to incorporate business needs into technical decisions
  - Strong interpersonal skills; ability to work within the team and with other departments
- Strong communication skills; ability to communicate effectively internally and externally

## **EDUCATION AND/OR EXPERIENCE**

B.Sc. in Chemistry or related discipline

Interested candidates can contact Suzy Fargalla [suzy.fargalla@hain.com](mailto:suzy.fargalla@hain.com)

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### The downside of Chat GPT

Sounds pretty great, right? While Chat GPT is an impressive innovation, you need to be aware of the risks. Here are a few red flags to look for:

1. **Spreading misinformation:** The spread of misleading information is one of the biggest concerns of AI, regardless of industry. Chat GPT is subject to bias and accuracy risks which will be reflected in its responses. While it may produce a reasonable answer to an inquiry, it can be inaccurate or incomplete. For instance, based on my searches related to beauty, it's clear that Chat GPT is biased toward clean beauty and natural marketing and formulating.
2. **Intellectual property infringement:** This is another major concern with using Chat GPT. If you're using it to search for formulas or technology, you need to make sure you are not infringing on patents or other protected intellectual property.
3. **Limited capacity/precision:** Chat GPT does not know the nuances of product development and formulation. While it may be able to generate a formula, it doesn't know if it's stable, effective or safe.
4. **Reduced creativity:** There is a fear across industry and education that the automation of certain tasks could result in a loss of creativity and critical thinking. In the field of cosmetic chemistry, chemists may rely too heavily on AI-generated ideas and fail to innovate and come up with novel ideas.

**Ethical concerns:** There is also the concern of AI-generated product recommendations that may not be ethically appropriate. For example, Chat GPT algorithms may prioritize cost and sales over sustainability or ethical ingredient sourcing practices, which could raise ethical issues concerning the environmental and social impact of cosmetic products.

### The Bottom Line

AI-generated chatbots are impressive tools that can help make your job easier. Tools like Chat GPT can sort through data sets quickly and identify trends and patterns. It can be a great tool for brainstorming and looking for trends (ie popular ingredients, claims). It may even be able to answer technical or regulatory questions. Still, exercise caution and practice the following when using Chat GPT:

- **Scrutinize and verify** - make sure to verify the accuracy and relevancy of the output with secondary research.

**Be skeptical** - if it sounds too good to be true, it probably is.

- **Exercise caution in relation to the input** - be sure not to feed Chat GPT proprietary information.

Lastly, **understand the limitations of Chat GPT**. While it's an effective tool, it is still your job to verify, re-search and apply critical thinking.

Personally, I've been having some fun playing around with Chat GPT but have already encountered misinformation and inaccurate answers. Still, I've been able to quickly digest data sets and get some pretty comprehensive answers to industry questions. And, if you are looking to write songs about your pets...it's great for that too.

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





# November 2nd Meeting



For our last meeting of 2023 on November 2nd our featured speaker was Howard Epstein, Ph.D., EMD Electronics, Surface Solutions, Philadelphia, PA. His topic for the evening was **“Successful Skin Care Products Featuring Natural Ingredients: A Technical Perspective”**.

Howard’s presentation discussed how successful marketing and sales of cosmetic products typically feature natural ingredients which not only require more than a compelling story for the natural ingredient(s), they also must go beyond the certifications of recognized agencies such as; Bio Cosmetique, Cosmos Natural/Organic, Ecovadis, and other documentation that ensures the natural ingredient is authenticated, the ingredient must meet the consumer’s expectations.



Dr Epstein went on to discuss how that in the past it might have been sufficient to simply explain that the beneficial properties of natural ingredient(s) was associated with their antioxidant and nutritive properties. While many of the natural ingredients used in skin care are consumed by people and provide nutritive benefits to the body, there may be less nutritive support for skin. The presentation gave examples of natural ingredients including super foods that provide benefits for skin. The beneficial component(s) in the super food were identified with a brief overview of relevant biological assays with relevant biomarkers used to identify the mechanism of activity and the human use testing protocol to confirm the benefits for skin were also discussed.

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# Dues Renewal



Returning members can sign in, or re-set their password if needed, via the button below. Once signed in, you will see an option to reactivate your membership.

Please note: It is important to keep your membership active. Members who are dropped for non-payment of dues must pay a reinstatement fee plus current year dues in order to be reinstated. Members who resign will only need to pay current dues to be reinstated.

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## 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)

# Did You Know?

SCC Ontario Chapter Has a Group Presence on **LinkedIn** and invites you to join the Group As a Member of the SCC Ontario LinkedIn Information Source.

Take A Look **LinkedIn**



## NEWSLETTER POSTING DATES FOR 2024

Here are the dates for 2024 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- ◆ January 8th
- ◆ February 7th
- ◆ May 2nd
- ◆ August 22nd
- ◆ October 10th



(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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## 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.

## SCC ONTARIO EMAIL REGISTRATION

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## UPCOMING EVENTS

February 1st, 2024 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting— <i>“Enhancing Skin Barrier Integrity: A Comprehensive Evaluation of a barrier support serum and its active technologies”</i> - Lakshana Sreenivasan
March 6th, 2024 The Venetian, Vaughan Ontario	SCC Ontario Regulatory Day— Craig Weiss
May 30th, 2024 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting— <i>“Sense, Nonsense, and Science”</i> - Dr. Joe Schwarcz
September 19th, 2024 The Venetian, Vaughan Ontario	SCC Ontario Education Day—Joe Dallal
November 7th, 2024 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting—TBA
December 6th, 2024 The Venetian, Vaughan Ontario	Annual Holiday Dinner Dance

## 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 annual scholarships. Undergraduate students of the Seneca School of Biological Science and Applied Chemistry have also been supported by an annual award.

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.



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## MEMBERSHIP

For those who would like to become members, yearly fees are \$170US. 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.

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### Change of Address

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



February 2024

Volume CXII

## 2024 Ontario Chapter Officers

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## SCC ONTARIO REGULATORY UPDATE MEETING

### March 6th, 2024

### PRE-REGISTER FOR THIS CHAPTER MEETING

As this meeting is an "in person" event simply click on the button below which will take you to our registration page. You can then either bring the payment with you or send a cheque to [rob.castillo@univarsolutions.com](mailto:rob.castillo@univarsolutions.com) Please make your reservation before the Monday prior to the meeting.

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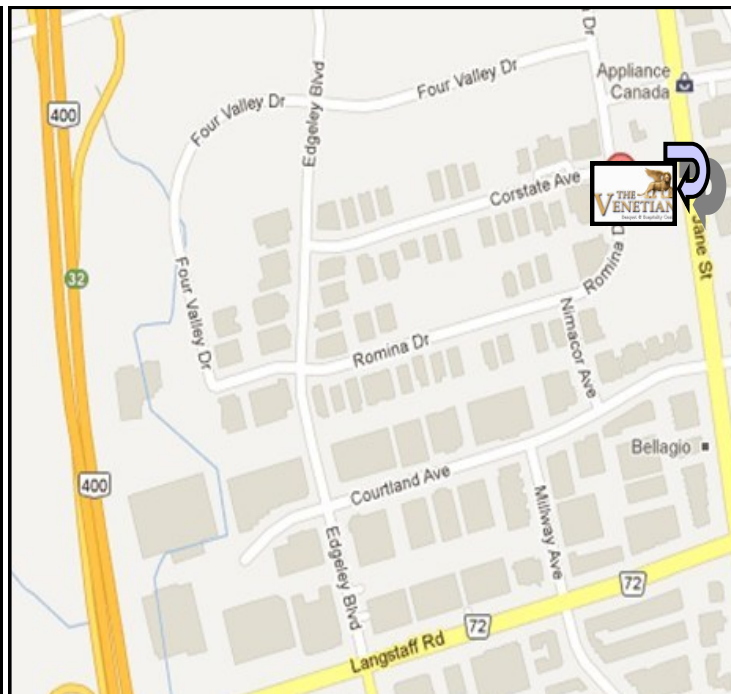


# REGULATORY UPDATE MEETING

March 6th, 2024



<b>Location:</b>	<b>The Venetian Banquet &amp; Hospitality Centre 219 Romina Drive, City of Vaughan, ON, L4K 4V3 (tel: 905-264-9960)</b>	
<b>Time:</b>	<b>9:00 a.m.</b>	<b>Registration</b>
	<b>9:30 a.m.</b>	<b>Craig Weiss</b>
	<b>10:30 a.m.</b>	<b>break</b>
	<b>10:45 a.m.</b>	<b>Jaclyn Bellomo</b>
	<b>Noon</b>	<b>Lunch</b>
	<b>1:00 p.m.</b>	<b>Catherine Graham</b>
	<b>2:00 p.m.</b>	<b>break</b>
	<b>2:15p.m.</b>	<b>Teena Warrin</b>
	<b>3:15 p.m.</b>	<b>Q&amp;A</b>
<b>Fees:</b>	<b>FREE for Members</b>	
	<b>Non- Members \$125</b>	
	<b>FREE for Students</b>	



## Abstract: MoCRA Explained: Compliance Deadlines and Updates

The end of 2023 proved to be an exciting month for FDA Cosmetic Regulations with the announcement of the enforcement delay for registration and listings, the issuing of the Final Guidance Document for industry, and the opening of the Cosmetics Direct Portal, there is a lot of information that has finally become clear to industry, but much that is still left to uncover.

The enforcement delay announcement has given industry time to become compliant and navigate through the newly developed Cosmetics Direct Portal. The Cosmetics Direct Portal, though simplistic in nature, has been showing some struggles with industry in offering either uploading listing manually one by one, or through the Structured Product Labeling (SPL) format. Many companies that have thousands of listings to upload are realizing that time is of the essence to start getting listings into the system now. In regard to facilities, gathering the information needed for registration and designating a U.S. Agent if a foreign facility is the most important steps companies should be acting on now.

The delayed enforcement only applied to the registration and listing aspect of MoCRA, and in December 2023, all other cosmetic regulations under (MoCRA) went into effect. The first round of compliance deadlines that had to be met where those mostly covered under the requirements for the Responsible person, such as Adverse Event Record Keeping, Serious Adverse Event Reporting, Safety Substantiation, Record Access, and Recalls.

With 2024 set to provide more insight to other regulations around Good Manufacturing Practices, Fragrance Allergens, and Labeling requirements, it is important to understand the compliance deadlines and requirements and how they apply to your business.

Though there are still many unknowns, there are steps companies can take now to prepare and educate themselves on what these changes mean to their business. In this seminar, it will outline what the new requirements mean to facilities and Responsible Persons, and how this will transform the industry for the years ahead.

*Continued page 3*

**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 Service Division, offers such varied services as water system validations, analytical methods, cleaning validation, production environmental monitoring 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 IBA board of directors, serving as the chairman of its technical, regulatory committee. Craig is also a member of the SCC serving on the CO-SA committee and PCPC serving on its Scientific Advisory Committee. Additionally, Craig sits on numerous international expert panels, ICCR and JCCT for examples.

**Bio : Jaclyn Bellomo, Director of Cosmetic Science and Regulatory Affairs**

Jaclyn Bellomo is a cosmetic industry professional with over a decade of experience in technical formulation, regulatory compliance, product development, and brand management. After obtaining her Bachelor's degree in Chemistry from Manhattan College, Jaclyn continued her education earning a MS in Cosmetic Science from Fairleigh Dickinson University, a MS in Regulatory Affairs from Northeastern University, and finally her MBA from Northeastern University. Jaclyn has spent the majority of her career in the private sector working with multinational brands, specializing in formulations for the beauty and personal care industry from concept to counter. Jaclyn is active on several committees across the industry that focus on education and compliance to ensure there is continued support for the cosmetic industry. As Director of Cosmetic Services and Software, Jaclyn adds a deep understanding of the cosmetic regulatory environment and uses her expertise to support cosmetic companies on the newly enacted MoCRA regulations that will be required for cosmetic products distributed and marketed in the United States. In addition, Jaclyn works closely with our Cosmetri Product Manager and cGMP software to help streamline R&D processes, update compliance, and support customers in improving their current working operations.

**Abstract: Navigating Complex Regulatory Landscape: A Distributor's Approach**

Business leaders today are faced with the challenge of a navigating a complex regulatory landscape and ensuring the appropriate programs are in place to ensure compliance. As one of the most highly regulated industries in Canada, a chemical and ingredient distributor can offer expert knowledge in managing current and proposed regulation. Specifically, minimizing risk to stakeholders including but not limited to Principals, Customers, Employees, and the Environment while remaining competitive.

**Bio: Catherine Graham**

Joined Azelis in 2023 as Regulatory & SHEQ Manager for Azelis Canada. 10+ years' experience in chemical distribution and manufacturing industry, specializing in Regulatory Affairs, Sustainability and Operations. Obtained Hon. Bachelor of Business Administration from Wilfrid Laurier University, minor in Economics and graduate diploma in Regulatory Affairs.

LinkedIn Profile: [www.linkedin.com/in/grahamcatherinel](https://www.linkedin.com/in/grahamcatherinel)

**Abstract:** Teena's presentation will examine the Canadian Environmental Protection Act (CEPA) from a raw material supplier's point of view. Specifically looking at the New Substance Notification Regulations and the Chemicals Management Plan. Teena will share tips and tools for compliance and provide some insight on upcoming changes/challenges.

**Bio: Teena Warrin** has been the Product Safety and Regulatory Affairs Manager at Croda Canada for over twenty years. Throughout her career Teena has been passionate about education and advocacy. Teena has been an active member of Responsible Distribution Canada's Regulatory Affairs Committee for three decades. Teena currently serves as the Vice Chair for Cosmetic Alliance's Risk Assessment and Ingredient Safety Committee. Teena supports the Cosmetic Science Program at Secenca College as an active member of the Program Advisory Committee, guest lecturer and regulatory judge for Capstone Projects. When she is not working, Teena enjoys traveling, hiking, yoga and spending time with her family.





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# February 1st Meeting



For our first chapter meeting of the new year 2024, we were excited to try something different and shake things up. We had a wonderful turnout for our inaugural "Lunch Meeting", where attendees gathered for a delicious meal, networking and a fascinating presentation. We were thrilled to have as our guest speaker **Lakshana Sreenivasan**, Clinical Research Senior Scientist from local company **DECIEM**. Lakshana's topic, "Enhancing Skin Barrier Integrity: A Holistic Evaluation of a Barrier Support Serum and its Active Ingredients", centered around the pivotal role the skin barrier plays in protecting against water loss and external stressors. Disruption of this barrier can lead to issues like dehydration, dryness, redness and discomfort, making barrier support crucial for skin care. She discussed a serum developed to maintain and restore skin barrier health, assessing the performance of an active complex. This included exploring how the formulation and ceramide complex impact barrier function. The presentation outlined how the actives provide immediate soothing hydration and reduce redness over time, boosting skin moisture. Lakshana concluded the complex had demonstrated efficacy in enhancing barrier integrity and function, ultimately improving overall barrier health.



Lakshana Sreenivasan is an accomplished Clinical Research Senior Scientist at DECIEM, with a distinguished academic background including a bachelor's degree from the University of Arizona and a PhD in Experimental Medicine from The University of British Columbia. With over a decade of experience in research and development, Lakshana Sreenivasan has played a pivotal role in the design and implementation of cell and tissue-based assays. Her impactful research stemming from her prior work has been disseminated through conferences and as first-author publications. Currently, based at the Toronto headquarters, Lakshana is a key member of the Clinical Research Lab at The Ordinary, leading efforts in evaluating product performance and garnering clinical acclaim for The Ordinary.

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# A Welcome from the chair...



I am grateful for the opportunity to serve as Chair of the Ontario Chapter of the Society of Cosmetic Chemists for our 29th year. As a long-time SCC Board member, I am proud to belong to a dedicated team of volunteers that delivers exceptional education and social events for our Ontario cosmetics industry. Here is a glimpse of what we have in store for 2024...

We kicked off our February meeting with a twist: a daytime event featuring a local speaker, Lakshana Sreenivasan, from one of our own Ontario manufacturers. Next, as a Chapter, we continue to give back to our members with a free regulatory meeting for pre-registered SCC members in March. In May, we look forward to an evening meeting with Dr. Joe Schwartz on "Sense, Nonsense, and Science". As we head into the warmer months, we have some exciting social events planned: a Boat Cruise in June and the annual Golf Tournament in July. In September, we resume our ever-popular Education Day, with Joe Dallal as our speaker this year. At our final evening meeting in November, we welcome a leadership presentation by Janic Gorayeb and the installation of our new officers. Lastly, don't forget to mark your calendars for the Annual Holiday Dinner Dance on December 6th, where we give back to our community through a toy drive and celebrate together.

We are fortunate to have strong ongoing support within our Ontario Chapter. As members, we all have a say in the direction of our Chapter meetings and events. Throughout the year, I welcome your feedback on how we can enhance our education and peer interaction for our members.

I look forward to another successful year for the Ontario Chapter and seeing you at our upcoming events.

Sincerely,

*Monika Melao*

2024 SCC Ontario Chapter Chair

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# Why companies might change a product formula

by Perry Perry Romanowski

As a new cosmetic formulator you might be surprised to learn that you won't get many opportunities to create completely new formulas. It is rare that you would start a project without a starting formula. Often what happens when a company hires a formulator is you get handed a list of in-house formulas and your job will be to make small changes to those. In reality, companies don't really want new formulas. They usually don't want to change formulas at all. Here's why.

## Modifying cosmetic formulas

As I said, brands do not want to change formulas. This is especially true for products that are selling well. The idea is that if something is selling well, you don't want to change anything. Each change creates the potential that you will disturb current customers and they will start looking for other options. This is likely one reason why it took [J&J Baby shampoo](#) so long to remove a formaldehyde releasing preservative from their formula. Even a preservative change might make a negative consumer perceptible difference.

## Cosmetic formula changes

But there are a few reasons why brands would change a formula. And these changes are often what you will be working on as a new chemist.

## Sales issues

You might change a formula if you have a product that is not the best selling on the market. Making a change can improve product performance but it can also give new news for the brand to talk about. New news about the formula is always something that your marketing department likes.

## Regulatory problems

The rules and regulations about cosmetics are always changing. This means that companies have to change formulas to adjust the levels or remove certain ingredients from a formula. The changes are supposed to be done in a way that will not be noticeable to consumers but that can be incredibly difficult. It takes a lot of prototype making and testing.

## Negative consumer perception

Sometimes ingredients will develop bad reputations with consumers due to negative media reports or social media misinformation. Ingredients that have been safely used for a long time in cosmetics like petrolatum, mineral oil, sulfates and more have all been removed by some companies. Many [cosmetic preservatives](#) have also had to be changed. If an ingredient can easily be removed the cosmetic industry will do it. It's the ingredients that are hard to find a good replacement for that makes these formulation changes quite difficult.

## Cost savings

Perhaps the most common reason for a change is that the company is looking to reduce the cost to produce a product. If you can find a secondary source for an ingredient which reduces the cost, that's a chance to reformulate. Or if you can find a less expensive way to make a formula but it still performs the same, it makes sense to have a formulation change. I actually started my career as a cost savings chemist. There were a few projects where a simple reduction in one ingredient led to a savings of over \$100,000 a year.

*Continued on page 15*



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## Making formulas compliant

As often happens in the cosmetic industry Big companies buy up smaller companies. And what the big company usually finds is that the small company wasn't following all the cosmetic industry regulations or rules. For this reason you might have to reformulate a product to make it compliant with rules or company procedures.

## On being a cosmetic formulator

Cosmetic formulating is a fun job, especially when you have a chance to change an existing formula. This gives you the opportunity to put your own spin on a formula and really make you feel like you are contributing to a product. For a new chemist this is rare so enjoy every chance you get. And if you would like to find out all the information a new cosmetic chemist needs to know about formulating, be sure to try out our [Practical Cosmetic Formulating course](#).

Perry has been formulating cosmetic products and inventing solutions to solve consumer problems since the early 1990's. Additionally, he has written and edited numerous articles and books, taught continuing education classes for industry scientists, and developed successful websites. His latest book is Beginning Cosmetic Chemistry 3rd Edition published by Allured.



## INTRODUCING OUR 2024 ONTARIO CHAPTER OFFICERS

During our annual Holiday Dinner Dance on November 24th our Area V Director from SCC National, Dorothy Maraprossians installed our incoming officers for 2024.

Serving as our Chapter Officers for 2024 are;

Monika Melao - Chair  
Shahin Kalantari - Chair Elect  
Tanya Baksh - Secretary  
Rob Castillo - Treasurer



# Dues Renewal



Returning members can sign in, or re-set their password if needed, via the button below. Once signed in, you will see an option to reactivate your membership.

Please note: It is important to keep your membership active. Members who are dropped for non-payment of dues must pay a reinstatement fee plus current year dues in order to be reinstated. Members who resign will only need to pay current dues to be reinstated.

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## 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)

# Did You Know?

SCC Ontario Chapter Has a Group Presence on **LinkedIn** and invites you to join the Group As a Member of the SCC Ontario LinkedIn Information Source.

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## NEWSLETTER POSTING DATES FOR 2024

Here are the dates for 2024 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- ◆ January 8th
- ◆ February 7th
- ◆ May 2nd
- ◆ August 22nd
- ◆ October 10th



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**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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## UPCOMING EVENTS

March 6th, 2024 The Venetian, Vaughan Ontario	SCC Ontario Regulatory Day— Craig Weiss
May 30th, 2024 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting— “Sense, Nonsense, and Science” - Dr. Joe Schwarcz
July 17, 2024 Lionhead Golf Club & Conference Centre	SCC Ontario Annual Golf Tournament
September 19th, 2024 The Venetian, Vaughan Ontario	SCC Ontario Education Day—Joe Dallal
November 7th, 2024 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting—TBA
December 6th, 2024 The Venetian, Vaughan Ontario	Annual Holiday Dinner Dance
February 6th, 2025 The Venetian, Vaughan Ontario	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 annual scholarships. Undergraduate students of the Seneca School of Biological Science and Applied Chemistry have also been supported by an annual award.

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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For those who would like to become members, yearly fees are \$170US. Applications are available from your Executive Committee or on-line at;

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### Change of Address

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



May 2024

Volume CXIII

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## SCC ONTARIO CHAPTER MEETING

*"SENSE, NONSENSE, AND SCIENCE"*

- Joe Schwarcz PhD

**May 30th, 2024**

## PRE-REGISTER FOR THIS CHAPTER MEETING

Simply click on the button below which will take you to our registration page. You can then either pay at the door, mail a cheque to [rob.castillo@univarsolutions.com](mailto:rob.castillo@univarsolutions.com) or pay with credit card in advance or at the door.

Please make your reservation before the Monday prior to the meeting.

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# SCC ONTARIO CHAPTER MEETING

*"SENSE, NONSENSE, AND SCIENCE"*

- Joe Schwarcz PhD

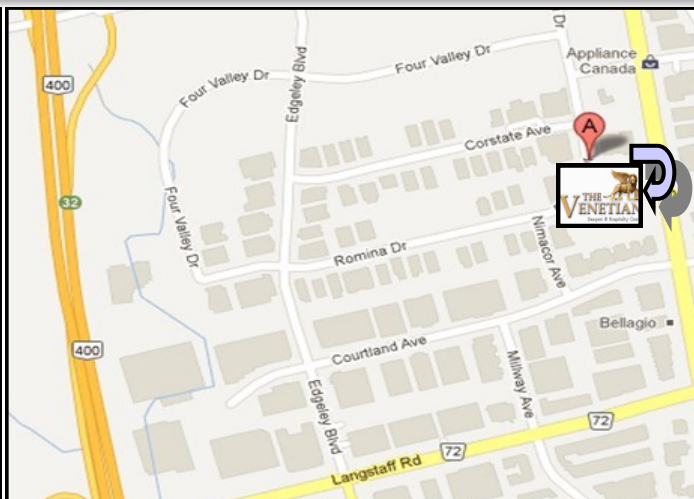
**May 30th, 2024**



**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:** \$60 pre-paid SCC member  
\$75 pre-paid non-member  
\$30 pre-paid student  
\$75 at the door



## Abstract :

A little nonsense, now and then, is relished by the best of men. These days, however, we seem to be dealing with more than just a little nonsense. The Internet is filled with products that promise miraculous cures and magical weight loss schemes, health food stores equate "natural" with "safe" and the dead offer advice to the living through "mediums." Synthetic substances are looked upon as villains and some cosmetics advertise that they are "chemical-free." Only a proper scientific investigation of these issues can separate sense from nonsense.

## Biography:

**Joe Schwarcz** is Director of McGill University's "Office for Science and Society" which has the mission of separating sense from nonsense. He is the recipient of numerous awards for teaching chemistry and for interpreting science for the public and was the first non-American to win the American Chemical Society's prestigious Grady-Stack award for popularizing chemistry.. "Dr Joe" has hosted a radio show on science for forty-three years, has appeared hundreds of times on television, writes a regular newspaper column and is the author of nineteen best-sellers. He has been awarded honorary degrees by Athabasca University, Cape Breton University, the University of Windsor and Simon Fraser University. Professor Schwarcz is also an amateur magician and often spices up his presentations with a little magic.





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# March 6th Regulatory Meeting

Our day long event commenced with a retrospective discussion on the “Modernization of Cosmetics Regulation Act of 2022” (MoCRA), a pivotal topic from our 2023 regulatory meeting. The session titled “**MoCRA Explained: Compliance Deadlines and Updates**” was expertly delivered by Craig Weiss alongside Jaclyn Bellomo, who holds the position of Director of Cosmetic Science and Regulatory Affairs.

Post-lunch, the conversation shifted towards the intricate web of regulations that govern our industry. Catherine Graham, the Regulatory & SHEQ Manager for Azelis Canada, captivated the audience with her presentation “**Navigating Complex Regulatory Landscape: A Distributor’s Perspective.**” She elucidated the challenges that business leaders encounter in this maze-like regulatory environment and underscored the necessity of implementing robust programs to maintain unwavering compliance.



To conclude the day’s insightful sessions, Teena Warrin, Product Safety and Regulatory Affairs Manager at Croda Canada, took the stage to dissect the Canadian Environmental Protection Act (CEPA). Her talk, viewed through the lens of a raw material supplier, was not only informative but also enlightening. Teena imparted valuable **tips and tools for compliance**, and offered a sneak peek into the imminent changes and challenges that lie ahead

Attendees were emailed a link to download all the presentations!



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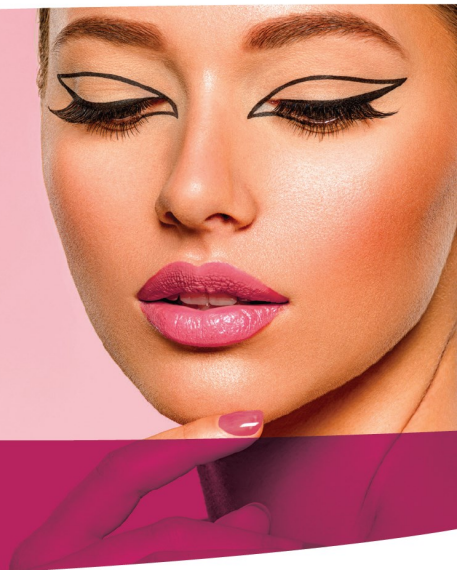


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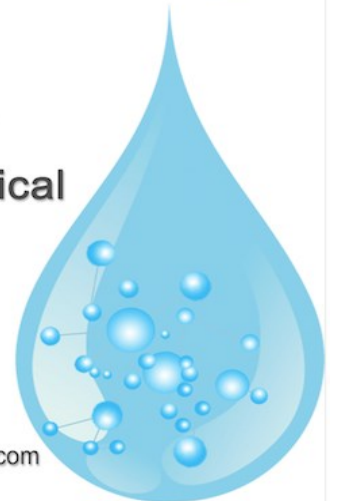
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## HOW MUCH DO YOU KNOW ABOUT SKIN MICROBIOME AND THE IMPACT THAT SKINCARE PRODUCTS HAVE ON YOUR SKIN?

Written by Freddie Metherell, producer – Kisaco Research

It wasn't too long ago that our TV screens were flooded with images of the evil bacteria with jagged teeth and sharp claws, wiped away by the cape wearing antibacterial spray. This dichotomy between the good of the antibacterial spray and the evil bacteria has been ingrained into society for so long now that the suggestion of applying bacteria to your skin would seem utterly bizarre a decade ago.

But times are changing. From deodorant sticks to foundations, bacteria are getting into cosmetic products across the board and the market is starting to boom. Demand for bacterial ingredients is set to break **10,000 tonnes per year by 2021**.

The case for bacterial products is now so strong that even Clorox Co., the company behind the famous bacterial obliterating bleach, recently acquired Renew Life Formulas, a provider of probiotic and prebiotic supplements.

## WHAT IS THE SKIN MICROBIOME?

The gut microbiome shot to fame with the discovery of the so-called “second genome” with bacteria making up 10<sup>12</sup> cells per gram of intestinal content.

Research, since this boom of interest in the early 2000s, has shown the link between the bacteria in the gut, and a whole range of diseases, from obesity, to depression. It wasn't long before the influence of bacteria was shown to also play a large role in the health of the skin.

Now becoming a focus in skin health and cosmetics industries, the skin microbiome is the network of bacteria that makes their home on the surface of our bodies. This community of bacteria communicate and collaborate to keep the skin in a healthy condition.

## WHY IS IT IMPORTANT?

For a long time, the science behind a lot of the theories that guide R&D into the skin microbiome has been lacking substance, but in the last year, things have started to pick up. Research [i] published earlier this year showed clearly that the skin microbiome can be effectively altered through the application of live bacteria.

This may not seem like a big deal, but when this fact is added to a bank of research that links the pathogenic bacteria on the skin to not only a range of cutaneous diseases, but also more recently cosmetic factors such as aging [ii], body odor [iii] and blocked sebaceous glands [iv], the implications for product development are huge.

**The global probiotics market will reach \$74.7 Billion by the end of 2025 and the skin is set to be right at the heart of this market's growth [v].**



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# Did You Know?

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## NEWSLETTER POSTING DATES FOR 2024

Here are the dates for 2024 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- ◆ January 8th
- ◆ February 7th
- ◆ May 2nd
- ◆ August 22nd
- ◆ October 10th



(or as close as we can get)

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



## MODULATING THE SKIN MICROBIOME

Commercialization of the skin microbiome is currently taking two directions, with the use of bacterial products, called lysates, proving a practical solution to the challenges that handling live bacteria presents. In utilizing these extractions, the issues surrounding keeping the specific bacteria alive and limiting contaminant bacteria are restricted. With recently released papers [vi] suggesting that these lysates aid in protection against inflammation and improve barrier function, these bacterial based products are an effective tool in improving skin appearance and health.

### WHAT SHOULD FORMULATORS KNOW?

93% of customers rely on reviews [vii], so delivering a reproducible probiotic benefit to the consumer is extremely important. Live bacteria does have additional benefits of antimicrobial action against bacteria, unlike lysates, and can prolong this effect by colonizing the skin. Maintaining viable bacteria in live bacterial products is the key hurdle to achieving this. Following acquisition of bacteria from CDMOs or self-owned bioreactors. The next step in ensuring that only desirable bacteria are present is by introducing quality control at each stage of production.

Preserving this single strain and preventing the development of bacterial products is the next challenge. Companies such as Esse Skincare have developed water-free oil based, airtight formulations to achieve this. Yun Probiotherapy have taken a different approach, using microencapsulation methods.

With these logistical and manufacturing issues, there are cost-benefit considerations that level the playing field between live bacteria and bacterial lysates. There is also variation from country to country; there are extremely tight rules in France excluding minimal levels of bacteria, but minimum doses of 10<sup>9</sup> colony forming units are required in places such as Canada to be known as a probiotic product [viii]. In the U.S., the FDA are in the process of analyzing scientific data to clear up the safety of probiotics and post-biotics. Until that point, regulation is only able to differentiate between cosmetics and therapeutics based on the impact that the product has on skin health.

### WHAT'S NEXT FOR THE SKIN MICROBIOME?

The skin microbiome is being recognized by publications such as Vogue and Harper's Bazaar, as one of "2019's biggest skincare trends". With scientific understanding of the skin microbiome taking the potential for modulation into new territories, now is the time for developing products that influence the skin's health through the microbiome.

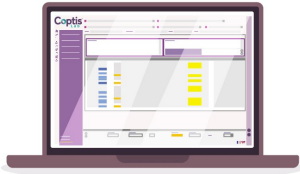


#### About the author

**Freddie Metherell** is a producer at Kisaco Research, specializing in Life Sciences and Pharmaceutical research. He graduated from the University of Warwick with a BSc in Biomedical Sciences before completing a master's degree in Biotechnology, Bioprocessing and Business Management.

*Article complements of <https://www.sconline.org/Education/Blog>*

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## UPCOMING EVENTS

May 30th, 2024 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting— <i>“Sense, Nonsense, and Science”</i> - Dr. Joe Schwarcz
June 13th, 2024 Queen’s Quay Terminal	SCC Ontario Membership Appreciation Boat Cruise
July 17, 2024 Lionhead Golf Club & Conference Centre	SCC Ontario Annual Golf Tournament
September 19th, 2024 The Venetian, Vaughan Ontario	SCC Ontario Education Day—Joe Dallal
November 7th, 2024 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting—TBA
December 6th, 2024 The Venetian, Vaughan Ontario	Annual Holiday Dinner Dance
February 6th, 2025 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting—TBA
March 6th, 2025 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting - TBA
May 29th, 2025 The Venetian, Vaughan Ontario	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 annual scholarships. Undergraduate students of the Seneca School of Biological Science and Applied Chemistry have also been supported by an annual award.

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.

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## MEMBERSHIP

For those who would like to become members, yearly fees are \$175US. Applications are available from your Executive Committee or on-line at;



lease 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>

## 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.





# NORTHERN HIGHLIGHTS



## The SCC Ontario Chapter's Newsletter



August 2024

Volume CXIV

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## SCC ONTARIO EDUCATION DAY

*"Where do NEW Product Ideas Come From?"*

-Joseph Dallal, L.C., M.Sc.

### September 19th, 2024

### PRE-REGISTER FOR THIS CHAPTER MEETING

Simply click on the button below which will take you to our registration page. You can then either pay at the door, mail a cheque to [rob.castillo@univarsolutions.com](mailto:rob.castillo@univarsolutions.com) or pay with credit card in advance or at the door. Please make your reservation before the Monday prior to the meeting.

**Click Here To Register**



# SCC ONTARIO EDUCATION DAY

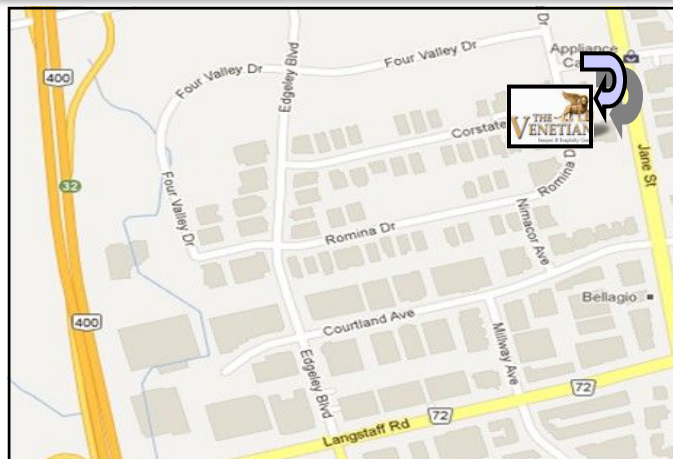
“Where do NEW Product Ideas Come From?”

-Joseph Dallal, L.C., M.Sc.

September 19th, 2024



<b>Location:</b>	The Venetian Banquet & Hospitality Centre 219 Romina Drive, City of Vaughan,
<b>Fees:</b>	SCC Members—\$75 (Pre-Registered)  Non-Members \$100 (Pre-Registered)  Students \$30 (pre-Registered)
<b>Schedule</b>	See page 3 Noon– Lunch (provided) 4:30pm– Adjourned



Where do New Products Come From?  
And Ideas, Innovation, or Creativity?  
Hence the Journey and Metamorphosis of a Product Concept and its  
Formulation Development

What a great time to be a formulator of cremes, lotions, pastes, putties, gels, anhydrous, aerosols, sticks, powders, etc. for Skin, Hair, Sun, Biofunctional, Personal Hygiene, and unending types of products! Today, the purpose, format, textures, and end-benefits are endless. No Limits or barriers to the creativity! Where does Innovation and Creativity come from? From Whom or Where? Who has the Crystal Ball?

No matter what route you took to get here, no matter what your academic background or interest in the business, fashion, health, or beauty universe, no matter which team you work in, it takes a team effort to develop and deploy finished products that help consumers fulfill their daily visions of themselves.

Our industry's technology is advancing very quickly, as are our Consumer's expectations and desires. We need to create these Consumer's tools that not only perform but are both chemically and perceptually stable for years. We must select from over 16,000 ingredients and discern how to get them to *play nicely* in a beaker, and then there is performance, efficacy, scale-up, costs, preservation and safety testing. If we're lucky, we grew up in labs of experienced teams that liked to share their experience and accelerate our progress to becoming an expert; and we learn from outside sources, as in SCC, TRI, DWI, IFSCC meetings and more (even influencers).

In today's session, we will start at the beginning, which is looking at the end, the final product and claims, what is expected when you are finished:

1. Digesting the Product Profile or Brief (from whom? or whose?)
  - a. The target Substrate, skin or hair, etc., and user demographics
  - b. Texture type and Package delivery type
  - c. Application style and sensories from wet to dry, short to long term
  - d. Claims to be made, written, visual, or quantified
2. Creating the Prototypes
  - a. Mode of action and integrated Ingredients selection and Wt/Wt%, Processing write-up and trials, costing
  - b. Modifications, retest vs Benchmark, stability, panel testing
  - c. Forced Error Analysis™?
  - d. Scale-Up and retest efficacy vs Benchmark, stability, PET, Safety
3. First Production
  - a. Observe, Assist, Approve batching and filling
  - b. Run Stability, microscopic analysis, PET, Efficacy vs Benchmark, Package testing
  - c. Recoup with Mfr. teams to refine processes to reduce predicted issues

Continued next page

Welcome to the never-ending world and journey of formulation, boundless creativity and innovation, whether you are a 1-person system (making all the decisions, making the lab and production batches), or a Multi-National machine. We will review dozens of technologies, how-to's, trials and tribulations, successes, and failures that became insight into thorough lab practices and windows into innovation and creativity.

**NOTE:**

**Questions can be submitted prior to or during Joe's presentation!**

[Seminar@CoachMobius.com](mailto:Seminar@CoachMobius.com)

## AGENDA

8:30 am - 9:00 am	Registration
9:00 – 10:30am	Intros, Project Process, Who's in Charge, Who's Responsible, Idea Generator, Chaos, What do Formulators Do? Aristotle and Einstein postulates
10:30 – 10:45am	Break
10:45 – 12:00pm	Project Team, Conundrum, Quo Vadis, The END First, Inspiration, Sins, Catch 22, Need to Know, Substrates, Who/What/When/Where/ Why, Where to Start
12:00 – 1:15pm	Lunch
1:15 – 2:45pm	Balloon, Interpreting 'terms', Choosing Ingr., Benchmark analysis, 3 Guiding Categories, Texture or Function, Rheology Purpose, Associative Effect, Polymer Characteristics, Scrutinize, Tools
2:45 – 3:00pm	Break, Walk, Talk.
3:00 – 3:45pm	Kettles, Measurements, Scale-Up, Micelles, Coacervation, Emulsions/Birefringence/ Maltese Cross/ Microscopy/Stability, Background Noise/Data improvement, Low Energy Emulsification
3:45 – 4:15pm	Stump the Speaker

**Joseph Dallal** started his career as a child in his Mother's Beauty salon, studying Physiology along with his Dad's Chiropractic research, started cooking at 12, and modified perms and shampoo at 17. After being Board Licensed in Cosmetology, he completed a double major with Honors in Human Bio, in Chemistry, then an M.Sc. in Chemistry, with a Thesis on the Effects of a Plant Peptide on Protein Synthesis.

His career has been developing Hair and Skin Care formulations, processes, and evaluations/claims at RedKen, Zotos, ISP, then ASI. Joseph, an Active SCC Member: Chapter Chair, Area Director, COCA Chair, National SCC President, COSA, and Advisor, plus several Committees; Active in the National Cosmetology Association, an ACS member, awarded 3 patents in hair care, and authored industry magazine articles and chapters on Hair-Care science in 2 industry textbooks. He has had the opportunity to share his passion through SCC presentations, lectures at Cosmetic Science MS programs at Universities, various Industry events in many countries, and Hands-On lab classes.





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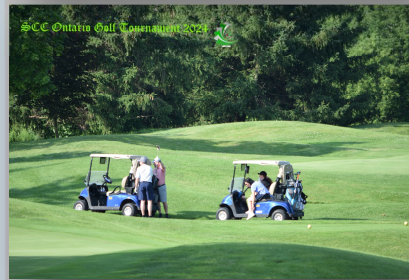


**OUR FLIGHT WINNERS!**

1<sup>st</sup> Place: Team with the lowest score  
Isabelle Ouellet  
Helen Fei  
Lise Campeau  
Audrey Zhang

2<sup>nd</sup> Place: Team with the second lowest score  
Mike Manning  
Keith Burk  
Nमित Joshi,  
Juston Sharratt

Long Drive Ladies' #18: Kim Mellisen  
Long Drive Men's #9: Rob Castillo  
Closest to the Pin Ladies' #8: Mandy Billings  
Closest to the Pin Men's #17: Rob Quinlan  
Closest to the line (men and women) #5: Keith Burk



## 2024 Annual Golf Tournament a Great Success!

The 2024 Annual Golf Tournament was a resounding success, bringing together over 70 enthusiastic golfers and additional attendees for dinner. Held for the second consecutive year at the prestigious Lionhead Golf and Conference Centre in Brampton, this year's event saw our participants take on the challenging "Masters" course.

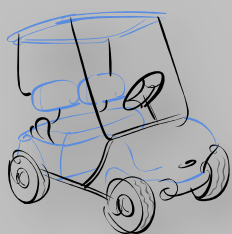
The weather was perfect, providing a beautiful backdrop for a day filled with food, fun, and leisure. Our members thoroughly enjoyed the tournament, making the most of the excellent conditions and the camaraderie of fellow golfers.

We extend our heartfelt thanks to our valued sponsors whose support was instrumental in making the day special. **"Gold"** level sponsor, **Azelis Canada Inc.**, as well as our **"Silver"** level sponsors: **Barentz, Essential Ingredients, and LBB Specialties**. Additionally, we are grateful to our five hole challenge sponsors: **Andicor, Coast Southwest, Quadra, LBB Specialties, and Univar Solutions**.

A special shoutout goes to our long-time organizer, Gagan Jain, for his dedication and hard work in ensuring the event ran smoothly. His efforts were key to the tournament's success. Thank you, Gagan!

Overall, it was a fantastic day that highlighted the spirit of our community and the joy of coming together for a wonderful SCC Ontario tradition.

Please click the **"photo gallery"** button to see a full set of pictures for the day







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**SCC ONTARIO CHAPTER**  
 "Toronto Harbour Member Appreciation Cruise"  
 JUNE 13, 2024

**"Toronto Harbour SCC Member Appreciation Cruise"**

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Free to SCC Ontario Chapter General Members  
 \$100 for non-Members

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Boarding Time: 6:30pm  
 Cruise Time: 7pm-10pm

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 The event includes:  
 • DJ  
 • Buffet Dinner  
 • 2 drink Tickets pp.

LOCATION MAP

Free to SCC Ontario Chapter General Members  
 \$100 for non-Members



June 13th marked the long-awaited SCC Ontario **"Member Appreciation Cruise,"** a delightful event that brought our community together for an unforgettable evening. With all hands on deck, we set sail under warm and balmy skies, perfect for cruising the picturesque Toronto Harbourfront.

Approximately 50 members joined us for this special occasion. The evening began with a cozy dinner on the main deck, where we enjoyed delicious food and great company. As the night progressed, the upper deck came alive with music and dancing, creating a vibrant and joyful atmosphere.

It was a fantastic evening to celebrate our members in the heart of the city, surrounded by stunning views and the camaraderie of friends and colleagues. The cruise was a wonderful way to show our appreciation and strengthen the bonds within our SCC Ontario community.



# Why cosmetic brands need the 7Ps to succeed

Belinda Carli,

The cosmetic industry is a very competitive environment, but there is still room for innovation and fantastic products, *if you can make your brand heard above all the marketing noise.*

Let's be real: there is a lot of noise. Dozens, if not hundreds of brands, promise their product is the best. Regardless of if it is or not, your product needs to be seen and heard if you want any chance of being purchased, so: *how do you rise above the clutter and make sure your products get noticed?*

This is where the 7Ps of marketing come in. They used to be the 4Ps, but with the evolution of marketing, media sources and consumer expectations, they have now become the 7Ps. Mastering all 7 is crucial to a brand and its products' success, so join us as we lead you through why they are so important, and how you can harness this marketing mix to really make your products stand out.



## Product

This one seems a little obvious - the product itself – but there is a lot more to it than that.

With this P, you need to highlight specifically, how your product:

- provides the key features and benefits your target market is looking for
- differs to and/or is better than competitor offerings
- addresses the needs of your target market (better than competitors)

It's crucial that you conduct market research to identify these essential items, ideally *before* you start talking to the Cosmetic Chemist about the formulation. Additionally, brands should perform market research *regularly*, even when their product has been launched, to make sure changing trends don't change how they position their product, especially compared to new competitor offerings or changing consumer demands.

## Price

Pricing a product too high sets up market resistance to trying your product out; while pricing your product too low may reduce its perception of quality and performance. To achieve the highest number of sales for any product, you need to price it just right to:

- suit your target markets wants, needs and expectations,
- ensure you make sufficient profit to cover future developments, growth and marketing,
- be considered against other known competitor products,
- offer seasonal discounts and specials and still turn a profit, and
- cover all the costs associated with running a business and ensuring ongoing supply.

Customers won't purchase a product, no matter how much they love the idea of it, if its doesn't fit their value perception. Pricing your product just right is absolutely crucial to ensure your products' success. Market research before launching your product is again essential to make sure your product is priced in the 'just right Goldilocks zone' to achieve the greatest number of sales, and yield the required return on investment.

## Promotion

Even if you have the best product in the world, you won't sell much if no one knows about it. Your promotional strategy is another essential element to get right, especially since consumers need multiple exposures to a product 'story' before they'll even consider purchasing it; and it needs to be heard amongst all the other product stories out there.

While social media platforms have definitely opened up cheaper marketing alternatives to traditional print (and similarly costly) platforms, all too often, brands starting out thinking a few posts on social media will lead to brand success. It's only when they launch, they find out there is a lot more to it than that. Your promotional strategy must:

*continued on page 14*





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## 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

[send an email](#)

# Did You Know?

SCC Ontario Chapter Has a Group Presence on **LinkedIn** and invites you to join the Group As a Member of the SCC Ontario LinkedIn Information Source.

Take A Look **LinkedIn**



## NEWSLETTER POSTING DATES FOR 2024

Here are the dates for 2024 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- ◆ January 8th
- ◆ February 7th
- ◆ May 2nd
- ◆ August 22nd
- ◆ October 10th



(or as close as we can get)

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







# May Meeting 2024



We were delighted to once again host the dynamic and renowned speaker, Dr. **Joe Schwarcz**, for our May 30th meeting. Dr. Schwarcz, the Director of McGill University's Office for Science and Society, delivered an engaging presentation titled **"Sense, Nonsense, and Science."**

In his talk, Dr. Joe explored the internet's plethora of products promising miraculous cures and magical weight loss schemes. He highlighted how health food stores often equate "natural" with "safe," while synthetic substances are unfairly vilified. Additionally, he pointed out the absurdity of cosmetics claiming to be "chemical-free." Through his insightful presentation, Dr. Joe emphasized that only proper scientific investigation can distinguish sense from nonsense.

Professor Schwarcz has received numerous awards for teaching chemistry and for interpreting science for the public and was the first non-American ever to win the American Chemical Society's prestigious Grady-Stack Award for demystifying chemistry. He was awarded the 2010 "Montreal Medal" which is the Canadian Chemical Institute's premier prize recognizing lifetime contributions to chemistry in Canada. In 2015 he was named winner of the Balles Prize for critical thinking by the US based Committee for Skeptical Inquiry. In 2018 he was the recipient of McGill University's "Principal's Prize for Public Engagement Through Media." He has also been awarded honorary degrees by Athabasca University, presentations with a little magic.



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- provide the features and benefits of your products *continued from page 10*
- show how it differs and is better to competitor offerings
- be seen by your target market
- be effective compared to all the other noise out there – *there is a big difference between ‘marketing efforts’ and ‘effective marketing efforts’*
- be consistent
- be compliant – *‘I didn’t know’ or ‘but other brands are saying that’ is not an acceptable excuse for non-compliance to a regulator*

Finally, your marketing campaign needs to be affordable over the long term. You can’t promote your product effectively without investing in its promotions, and it will take time before you see the required returns. Make sure you plan your promotional strategy well and have the financial stamina to maintain it while sales build.

## Place (distribution)

Selling on-line is now commonplace, making it easy for small brands to have a reputable brand even if this is their only distribution channel. But, your competitors, both big and small, also have on-line stores. If you’ve got wider distribution, this can be helpful, but may also increase your sales and marketing costs to maintain. Regardless, your ‘place’ is an essential marketing element to master because:

- if your consumers can’t purchase easily, they won’t purchase at all – *invest in a good website and shopping cart*
- make sure your website carries your branding message
- ensure reliable and fast delivery  
use your social media and marketing to drive traffic to your site – *they won’t find you through google ads or SEO alone*

Use this new online world to your advantage, but remember, your competitors are using it too. Your website needs to make it easy to select and purchase the desired products, and delivery should be smooth, fast and hassle free. Your website is just one of millions, so make sure your marketing efforts drive your target market there, otherwise it just won’t be found, no matter how great it is.

## People

The customer experience is now more important than ever before. Consumers not only enjoy a personal touch with their purchase, but they also often actively seek it, by asking questions about a product before purchase.

When your replies are helpful and knowledgeable, it gives them confidence in your brand and products, and makes them more likely to spread the word about their experience. A bad sales experience, poor service or inexperience in answers or support has a very negative effect on their perception of your brand and may deter them from purchase.

Consumers also look for connections through the socials! Make sure you or your team respond to comments and questions when posted.

Make sure you employ the right people to be the face of your business, as they are extensions of your products and brand vision, and can have a big influence on consumer purchases.

## Process

With so much choice available to consumers, they have every right to expect a smooth interaction when making a purchase. The process step refers to:

- ensuring great service with every interaction
- fast delivery of quality product
- internal processes that enable your business to work smarter, not harder – *improving internal processes to serve more customers with continued high standards in minimal time is essential to brand growth.*

Make sure every step of the sales and distribution process runs efficiently and hassle free: from an easy purchase and secure payment portal, through to prompt delivery of perfect product and all your social and personal interactions in-between.

*continued on page 19*



# Distribute Chemicals, Deliver Solutions, Develop Partnerships.



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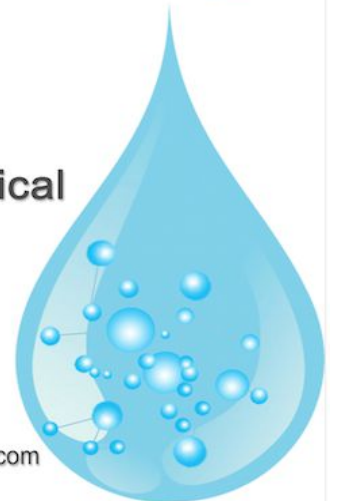
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Seneca Polytechnic is pleased to announce the three recipients of the 2023/24 Society of Cosmetic Chemists Bursary and Scholarship Awards!

Dear Dennis,

We would like to express our sincere appreciation for your continued support towards Seneca students through your student award.

As the academic year draws to a close, we wanted to ensure that you are aware of the profound impact your kindness has had on student's academic and personal journey.

It is my pleasure to share your award recipients for the 2023-24 academic year:

- **Society of Cosmetic Chemists Award** was received by **Madison McKellar** and **Lauren Poon**.
- **Society of Cosmetic Chemists Bursary** was received by **Thyra Andersen**.

Your belief in Seneca Polytechnic and your ongoing support have enabled us to nurture the next generation of leaders and innovators. We look forward to continuing this journey together and making a positive impact in the lives of many.

Sincerely,

**Tan-Ling Yeung**

Director, Advancement & Alumni

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



Thank you letter

Award: Society of Cosmetic Chemists Bursary

Received by: Thyra Andersen

Program: Cosmetic Science



Dear Donor,

I am writing to express my gratitude as a student enrolled in the Cosmetic Science program at Seneca College, eagerly anticipating the commencement of my second semester in May. Exploring the intricacies of product formulation, as well as delving into the anatomy and physiology of the skin and hair, has been immensely rewarding during my academic journey. The union of creativity and scientific precision demanded by this field deeply resonates with me.

In addition to my studies, I find fulfillment in participating in active extracurricular activities and volunteering within my community. Following my graduation from Queen's University's Life Sciences program, I embarked on a meaningful adventure teaching English as a Second Language in South Korea, an experience that broadened my horizons and enriched my perspective.

Receiving the Society of Cosmetic Chemists Award is an incredible honour for me. Your generosity not only validates my dedication to this field but also alleviates some of the financial burdens associated with pursuing higher education. As I aspire to pursue a master's degree in Cosmetic Sciences abroad, your support brings this aspiration within reach. This award serves as a crucial stepping stone towards my goal of making meaningful contributions to the cosmetic science industry, equipping me with the resources and opportunities necessary to further develop my skills.

I want to express my sincere appreciation for your kindness and support. Your generosity not only facilitates my academic pursuits but also instills in me a profound sense of gratitude and motivation. Thank you for believing in my potential and for investing in my future.

Warm regards,  
Thyra Andersen



Seneca Advancement & Alumni  
advancement@senecapolytechnic.ca

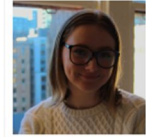


Thank you letter

Award: Society of Cosmetic Chemists Award

Received by: Madison McKellar

Program: Cosmetic Science



Dear Donor,

I am deeply honored and grateful to receive this award. As a student in the Cosmetic Science program at Seneca, I have found immense enjoyment in courses that delve into formulation, and product development. Exploring the intricacies of creating cosmetics from conception to market-ready formulations was not only intellectually stimulating but also deeply inspiring. The hands-on experience and theoretical knowledge gained through my courses were instrumental in shaping my understanding of the cosmetic industry. From understanding consumer preferences to conducting rigorous testing and analysis, every aspect of the product development captured my interest and fueled my passion for cosmetic science.

This award holds significant importance in my pursuit of a career in the cosmetic industry. It not only validates my dedication to the field but also provides tangible support towards achieving my goals. With this recognition, I am motivated to continue my journey striving to make meaningful contributions to the cosmetic science community.

I am sincerely grateful to the Society of Cosmetic Chemists for their generosity and belief in the potential of aspiring cosmetic chemists like me. Thank you for this incredible honor and the opportunity to further my passion for cosmetic science.

Warm regards,  
Madison McKellar



Seneca Advancement & Alumni  
advancement@senecapolytechnic.ca



Thank you letter

Award: Society of Cosmetic Chemists Award

Received by: Lauren Poon

Program: Cosmetic Science



Dear Donor,

I hope this letter finds you well. My name is Lauren Poon and I want to express my sincere gratitude for selecting me as the recipient of the Society of Cosmetic Chemists Award and share a bit about myself and how your support has impacted me.

As student enrolled in Seneca's Cosmetic Science Program, one of my favourite courses so far has been Pigments, Powders and Poured Products. Where I gained knowledge about colour theory and learned how to evaluate colour. I appreciate Seneca's provision of laboratory-based courses, which provide the practical experience necessary to pursue a career as a cosmetic chemist. Beyond academics, I've found myself enjoying the art of pottery in my free time. In certain respects, I see parallels between this experience and my favorite course, where I explore creative colour selections while choosing pottery glazes.

Your generosity has had a profound impact on my journey here at Seneca. As I pursue my career aspirations to become a cosmetic chemist, your support provides me with the financial stability and motivation to continue my studies. And for that, I am truly honored to be a recipient of your generosity. Please accept my deepest thanks for your kindness and support.

Sincerely,  
Lauren Poon



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advancement@senecapolytechnic.ca

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# Physical evidence

continued from page 14

Physical evidence is much like proof: it not only includes the product itself and its packaging, but also your on-line presence, social media and overall branding. It can also include any physical evidence from social media interactions and other customer ratings, as well as the way the product is shipped and an invoicing or follow up emails.

Think about your customers journey from their first to final exposure and interaction with your brand:

- do your social posts and interactions provide the right brand image?
- does your packaging, product features and benefits and the marketing messages speak to your target market?
- does the product actually deliver on its promises, fast?
- did the product arrive to them on time in a pristine condition?
- have you connected with your consumer in the right way – both now and with your future plans?

If there is a kink in your physical evidence, it could deter them from purchase; but if you have a consistent image that not only addresses their needs but also solves their skin or hair care problem, with great testimonials or social proof, you'll be sure to win their sale when their ready to purchase.

## Make sure you get the 7Ps right...

If you don't get the product, price, promotion, place, people, process or physical evidence just right, your consumer has plenty of opportunity to seek total satisfaction elsewhere. Make sure you master all of these aspects with the right approach – and if you're unsure at all, learn how to get it right!

Build the culture of your brand and master your marketing mix, and don't be afraid to revisit it often, because trends change and new competitors are ready to launch at any moment – make sure your brand and its products stand out and lead the pack!



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## 2025 SCC Ontario Chapter Board Elections

It is time for the election of the 2025 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 7th, 2024 meeting. Thank you for taking time to vote. Your support of the SCC Ontario Chapter is greatly appreciated.

### 2024 SCC Ontario Chapter Board Members

Position	Name	Phone	Email
Chair	Monika Melao	(437) 970-9359	mamelao@acme-hardesty.com
Chair-Elect	Shahin Kalantari	(416) 567-6572	shahink@davicenna.com
Treasurer	Robert Castillo	(416) 740-5300	rob.castillo@univarsolutions.com
Secretary	Tanya Baksh	(647) 674-5833	tbaksh@essentialingredients.com

### 2025 Ontario Chapter Candidates

#### CHAIR ELECT

Vera Borsos-Matovina, MScF, MScA

Vera Borsos-Matovina holds two Master's degrees. She joined the Society of Cosmetic Chemists (SCC) in 2006 and became a member of the Board of Directors for the Ontario chapter three years later. As a board member, she is responsible for advertising in the chapter's newsletter.

Since joining the SCC, Vera has delivered two presentations on the topic of "Fragrances from Essential Oils in Cosmetic Products." Additionally, she taught "Fragrances and Their Use in Cosmetic Formulations" at Seneca College's Cosmetic Science postgraduate program from its inception in 2016 until 2023.

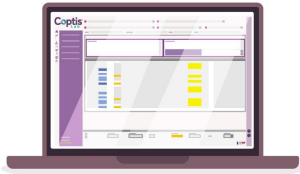
Vera is also the owner of Plant's Power, a company that provides raw ingredients for cosmetic manufacturers.

#### 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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## Employment Opportunities

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detailed job  
listings

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## UPCOMING EVENTS

September 19th, 2024 The Venetian, Vaughan Ontario	SCC Ontario Education Day—"Where do NEW Product Ideas Come From?" - Joe Dallal
November 7th, 2024 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting—TBA
December 6th, 2024 The Venetian, Vaughan Ontario	Annual Holiday Dinner Dance
February 6th, 2025 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting—TBA
March 6th, 2025 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting - TBA
May 29th, 2025 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting—TBA
July 16th, 2025 Lionhead Golf Club & Conference Centre	SCC Ontario Annual Golf Tournament
September 18, 2025 The Venetian, Vaughan Ontario	Education Day—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 Polytechnic, 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 [jdzuccolin@gmail.com](mailto:jdzuccolin@gmail.com). 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 Polytechnic Cosmetic Science Program and students by providing annual scholarships. Undergraduate students of the Seneca Polytechnic School of Biological Science and Applied Chemistry have also been supported by an annual award.

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 \$175US. Applications are available from your Executive Committee or on-line at;



lease 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>

## 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.





# NORTHERN HIGHLIGHTS



## The SCC Ontario Chapter's Newsletter



October 2024

Volume CXV

### 2024 Ontario Chapter Officers

#### Chair

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mamelao@acme-hardesty.com  
Ph: (437) 970-9359

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### SCC ONTARIO CHAPTER MEETING

*“Leading Outside the Lines: A Palette of Creative Values”*

-Janic Gorayeb

**November 7th, 2024**

### PRE-REGISTER FOR THIS CHAPTER MEETING

Simply click on the button below which will take you to our registration page. You can then either pay at the door, mail a cheque to [rob.castillo@univarsolutions.com](mailto:rob.castillo@univarsolutions.com) or pay with credit card in advance or at the door.

Please make your reservation before the Monday prior to the meeting.

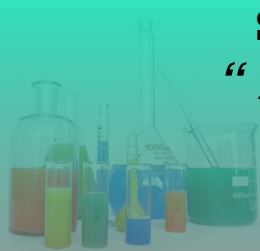
**Click Here To Register**

# SCC ONTARIO CHAPTER MEETING

“Leading Outside the Lines: A Palette of Creative Values”

-Janic Gorayeb

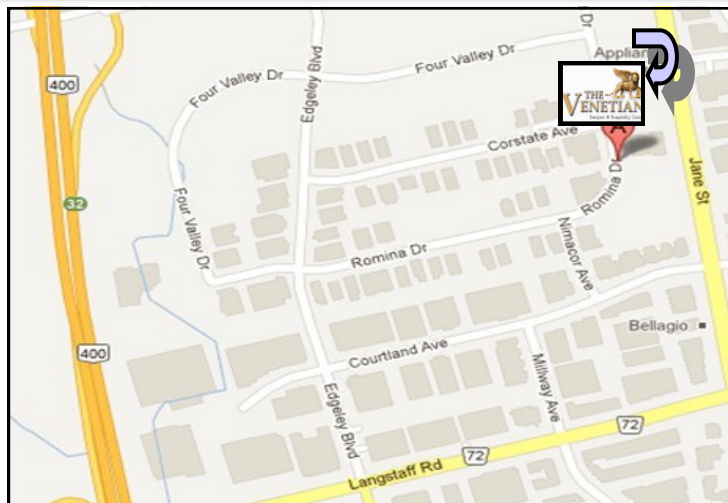
November 7th, 2024



**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:** \$60 pre-paid SCC member  
\$70 pre-paid non-member  
\$30 pre-paid student  
\$75 at the door  
Free - Emeritus Members



## Abstract: Leading Outside the Lines: A Palette of Creative Values

During this presentation, we will explore the intersection of creativity and leadership, emphasizing the role of core values. It delves into how leaders can inspire innovation, encourage out-of-the-box thinking, and align these efforts with the organization's core values. Attendees will learn strategies to foster a creative culture while realizing you don't need to have a traditional leadership title to be a leader!

## Biography:

### Janic Gorayeb, MA in Leadership (She / Her)

Janic Gorayeb is the Founder and Creative Curator of Ripple Effect Leadership and holds an MA in Leadership from Royal Roads University. She's all about helping organizations build strong, values-driven team cultures where everyone feels empowered to lead—no matter their title. Through her creative and strategic workshops, retreats, and programs, Janic goes beyond the usual leadership skills. She unlocks productivity, builds community, and makes self-leadership something the whole team can rally behind. For entrepreneurs and small business owners, Janic is your go-to for boosting confidence, quieting self-doubt, and aligning your business with your values—while also connecting you to a crew of like-minded founders who just *get it*. Her approach? A mix of practical leadership strategies with a creative twist—because growth should be as fun as it is effective! On a more personal level, Janic is a proud aunty, loves visiting family in Arizona, and always makes time for creativity as a way to reset. She's fascinated by tiny house living and can never resist a good road trip to Trader Joe's!







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# THE SCC ONTARIO CHAPTER "HOLIDAY DINNER DANCE!"



**Friday, December 6th 2024**

We are returning to  
The Venetian Banquet & Hospitality Centre,  
219 Romina Drive, Vaughan.



We start the evening at 6:00 p.m. by enjoying the specialties from the antipasto table.  
Dinner will follow at 7:15 p.m. SHARP.  
The dance floor will be open until 1:00 a.m. and you can  
enjoy a sweets table following dinner.

**Reserve Early and Save.**  
**Early bird pricing up to November 1st is \$180.00 per person.**  
**After the November 1st deadline the price is \$200.00 per person.**

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## Sponsorship Opportunities Available This Year

### Platinum - \$1000



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- Table spotlight at the event
- Free registration for upcoming chapter meeting for 2 people for February meeting

### Gold - \$750



- Company logo will be prominently displayed in event space
- Company logo will be displayed on website
- Free registration for upcoming chapter meeting for 1 person for February meeting

### Silver - \$500



- Company logo will be displayed in signage in event space
- Company logo will be displayed on website

### Bronze - \$200



- Name will be highlighted on the sponsor cards included on each table and will be acknowledged at prize giveaway

## Platinum Sponsors



### MENU

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Entrée Braised Beef Shortrib - Red Wine Reducton - Pescatarian Filet of Salmon  
Vegetarian Eggplant Parm & Vegetable Strudel  
Vegetables Broccoli & Baked Potato - Butter & Sour Cream with Chives  
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## Cosmetic emulsions with stability problems: what is the cause?

Belinda Carli, 09/2024

You've run some stability tests and, oh no! The stability of your cosmetic emulsion has failed.

What could be the cause of the formula instability, and how can you fix it?

Read on to find out about common stability issues when formulating cosmetic emulsions, and most importantly, what you should trouble shoot to try to fix them.

Need an [overview of stability and shelf life testing cosmetic formulas? Watch this video here.](#)



- Learn how to run professional stability programs, including microbial tests, with our [Certificate in Cosmetic Quality & Stability.](#)
- Are you a small brand wanting to learn just the essentials on a budget? [Take our stability testing for small cosmetic brands workshop here instead.](#)

### Emulsion stability problem 1: colour and aroma changes in your cream or lotion.

When you have colour or aroma changes in your cream or lotion formula, you'll need to determine if the colour or aroma change is sufficient enough to impact the enjoyment by your consumer. You will also need to check if the colour or aroma change impacts the safety and efficacy of the product. A slight aromatic difference or tint of colour may be acceptable by a consumer, but if the pH or viscosity is adversely affected, then the product is considered unstable.

Try these fix-its to improve the colour and aromatic stability of your emulsion formula:

- add a small input of chelating agent and see if this restores the original colour. [Find out about chelating agents here.](#) If it does, you will need to add chelating agent to your formula, and all future batches.
- try preparing another sample with a little more or less antioxidant and see if that reduces colour and aromatic changes. [Read this blog to see how vitamin E can have a pro-oxidant effect in cosmetic formulas,](#) and watch this video to see [how to test if you are using the right input.](#)
- Conduct microbial checks to ensure there is no microbial contamination of your cosmetic formula, and to confirm the input of preservative is sufficient.

### Emulsion stability problem 2: your emulsion shows separation.

Oil in water emulsion formulas will show partial or fully separated layers when there is either:

- too much oil for the emulsifiers and/or other stabilizing agents such as gums or polymers to hold the oil droplets homogenous
- a significant pH change, which causes the emulsifiers or stabilizing agents to become ineffective

To investigate and potentially fix the problem, start by taking the pH of your failed sample. If it has changed dramatically, then investigate why that change occurred; often it has to do with oxidation or some other incompatibility, such as electrolytes. If you can fix the original cause, you will then stop the large shift in pH which caused the instability. [Watch how to check and measure pH here.](#)

*Continued on page 11*





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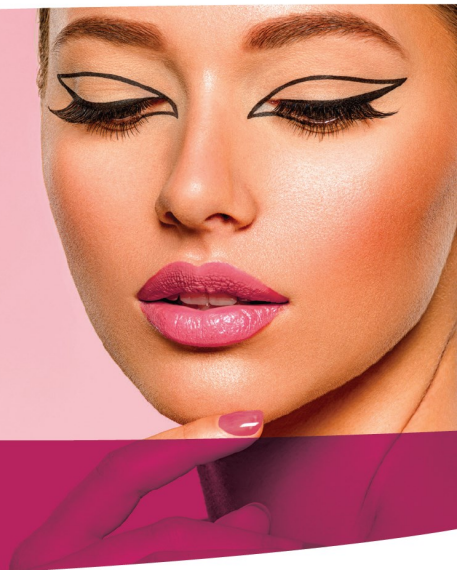


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## Presenters Welcome!!!



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

 [send an email](#)

# Did You Know?

SCC Ontario Chapter Has a Group Presence on **LinkedIn** and invites you to join the Group As a Member of the SCC Ontario LinkedIn Information Source.

Take A Look **LinkedIn**



## NEWSLETTER POSTING DATES FOR 2024

Here are the dates for 2024 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- ◆ January 8th
- ◆ February 7th
- ◆ May 2nd
- ◆ August 22nd
- ◆ October 10th



(or as close as we can get)

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



If the pH of the failed sample is within an acceptable range but there is still separation, then it is most likely the ratio of oils to emulsifiers you have used. Increase your emulsifiers and stabilizing agents such as gums or polymers in your formula, or reduce the oil input and prepare another sample then test its' stability.

### **Emulsion stability problem 3: your cream or lotion looks grainy or waxy.**

A waxy or grainy appearance to your emulsion can sometimes happen quite quickly after it has first been made. In these cases, it is usually due to waxes not being sufficiently heated while the emulsion is being formed, so that very fine waxy particles 'set' before they can be incorporated homogenously into the micelles of an emulsion. If this is the case, the cream or lotion will have a very limited shelf life, and will tend to separate before much longer.

To fix this problem, you will need to make a new sample and ensure the oil and water phases are both sufficiently heated above the melting point of the waxes used, so that the micelles of the emulsion can form while both phases are liquid before cooling starts.

Another reason for a grainy or waxy appearance, particularly if it does not occur straight away, can be due to crystallization in the emulsion. This can only occur when an ionic emulsifier has been used, such as an anionic emulsifier in a cream or lotion, or a cationic emulsifier in a conditioner. For crystallization to occur, it means that too much ionic emulsifier has been used in the formula to tolerate a low temperature. To fix this problem, create a new sample using more non-ionic emulsifier and then test it again using freeze/thaw cycles.

### **Emulsion stability problem 4: your cream or lotion changes viscosity in different climates**

A properly formulated cream or lotion should not show significant changes in viscosity in different climates. If it does, it is usually caused by:

- using too high an input of low melting point butters OR
- using non-ionic emulsifiers only without sufficient gums or polymers.

Both non-ionic emulsifiers (when used on their own, with out gums or polymers) and low melting point butters will be subject to climate induced viscosity changes, and can be easy to fix but you need to re-visit your emulsion formula and start again.

Make sure you limit the input of all low melting point butters to 10%w/w at most. When using non-ionic emulsifiers to form your emulsion, make sure you also incorporate sufficient gums or polymers to help hold the form of the emulsion in warmer climates.

### **What other causes are there of emulsion instability?**

Another common cause of emulsion instability is the method used to create the emulsion. Sometimes more mixing is not better! Here are some scenarios:

- high shear mixing with shear sensitive polymers will irreversibly cut the polymers and render them useless as stability aids. Check the gums or polymers you are using can handle high shear before mixing your emulsion formula.
- incorporating too much air into your batch while mixing, through incorrectly positioned stirrers, can cause viscosity changes and oxidation in the finished product. Make sure the rate of shear, vessels and mixing equipment suit the batch size as well as materials used.
- not mixing sufficiently will lead to large droplet size in the emulsion, and the larger the droplet size, the faster oil droplets will coagulate and coalesce, and the faster the rate of stability. You should use high shear to create your emulsions where ever non-shear sensitive materials are in your formula to ensure the smallest droplet size possible in an emulsion.





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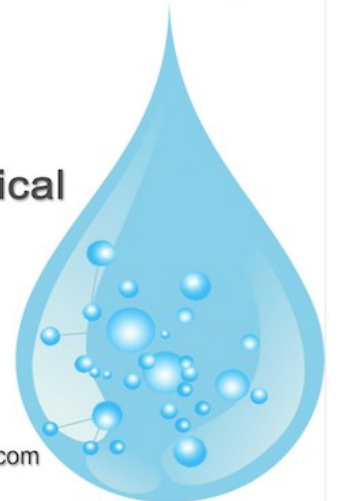


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# Education Day 2024

Our annual "Education Day" took place on Thursday, September 19th, at the Venetian Banquet Hall. We were thrilled to welcome Joe Dallal, a renowned veteran in product development, as our keynote speaker. Joe's presentation, titled **"Where Do New Products Come From? Ideas, Innovation, or Creativity?"** captivated the audience.



Throughout his talk, Joe delved into the rapid advancements in industry technologies and the evolving expectations and desires of consumers. He emphasized the importance of creating tools that not only perform exceptionally but also remain chemically and perceptually stable over time. As Joe eloquently stated, "One of our biggest challenges is selecting from over 16,000 ingredients and figuring out how to get them to work harmoniously in a beaker." He also highlighted the critical considerations of performance, efficacy, scale-up, cost, preservation, and safety testing.

Joe's insights provided valuable perspectives on navigating the complexities of product development in today's fast-paced market, leaving attendees inspired and better equipped to innovate in their respective fields. Attendees received a certificate of attendance and exclusive access to the full presentation.



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[Investigate other cosmetic formulation mistakes with this video.](#)

It is a company responsibility to ensure that all cosmetic products they put onto the market have adequate stability data to support the shelf life and time of sale of the product. [Find out more in this video: Who's responsible for faulty product?](#) This helps protect the safety and quality of the product, so that it is safe, stable and efficacious for a consumer to use.

Make sure your cosmetic brand conducts the necessary stability checks on all products it releases into the market, whether they manufacture them or not, because you are ultimately responsible for those products!

Most importantly, when formulating emulsions, make sure you know how to trouble shoot what has gone wrong with your emulsion formula to make better samples each time.

*Happy formulating!*



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## UPCOMING EVENTS

November 7th, 2024 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting— <i>“Leading Outside the Lines: A Palette of Creative Values”</i> - Janic Gorayeb
December 6th, 2024 The Venetian, Vaughan Ontario	Annual Holiday Dinner Dance
February 6th, 2025 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting—TBA
March 6th, 2025 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting - TBA
May 29th, 2025 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting—TBA
July 16th, 2025 Lionhead Golf Club & Conference Centre	SCC Ontario Annual Golf Tournament
September 25, 2025 The Venetian, Vaughan Ontario	Education Day— <i>“Fundamentals of Microbiome for the Cosmetics Industry”</i> presented by Paul Lawrence
November 6, 2025 The Venetian, Vaughan Ontario	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 Polytechnic, 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 [jdzuccolin@gmail.com](mailto:jdzuccolin@gmail.com). 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 Polytechnic Cosmetic Science Program and students by providing annual scholarships. Undergraduate students of the Seneca Polytechnic School of Biological Science and Applied Chemistry have also been supported by an annual award.

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 \$175US. Applications are available from your Executive Committee or on-line at;



lease 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>

## 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.

**Emeritus Members** - Attend Chapter educational events and evening meetings for free!

