

NORTHERN HIGHLIGHTS

The SCC Ontario Chapter's Newsletter

JANUARY 2018

Volume LXXXI

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SCC Ontario Chapter Meeting

"On Becoming a Cosmetic Chemist—How to Survive and Thrive in Your Career"

- Perry Romanowski

PRE-REGISTER TO SAVE MONEY

If you prefer you can reserve a spot by email or fax. Send us a note that you will be there. We will confirm receipt of your reservation. You can then either bring the payment with you or put it in the mail. Please make your reservation prior to **February 5th, 2018**

Please note:

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

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

rob.castillo@univarcana.com

or by fax at (416) 740-2227 OR on-line at:

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



SCC ONTARIO CHAPTER MEETING

“On Becoming a Cosmetic Chemist—How to Survive and Thrive in Your Career”

- Perry Romanowski

Seneca York Campus
70 The Pond Road, Toronto ON M3J 3M6
Room S1208
Stephen E Quinlan Building

Time: **5:30 pm** Registration Begins in Hallway
 Outside the Hive Restaurant/
 Pub (Room 2007)

6:00 pm Dinner/Meet & Greet in “The
 Hive”

7:00 pm Presentation in Lecture Room
 S1208

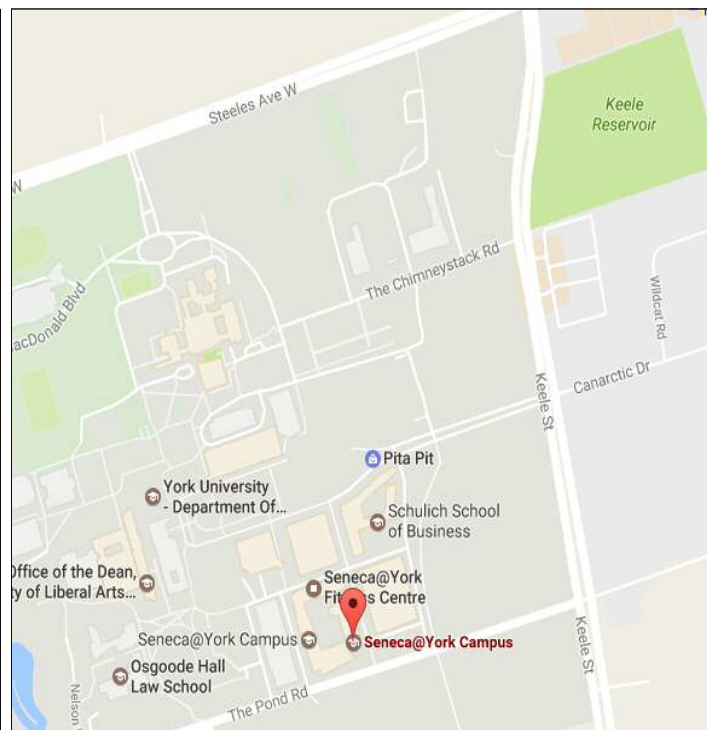
8:30 pm Adjournment

Fees: **\$45 pre-paid SCC member**

\$55 pre-paid non-member

\$10 pre-paid student

\$60 at the door



Abstract: On becoming a Cosmetic Chemist -How to Survive and Thrive in Your Career
Chemistry majors and science majors in general are typically focused on completing tough courses and do not spend a lot of time pondering what they are going to do with their degrees once they finished with school. Some people may go on to graduate school but most eventually will leave school and become industrial chemists. The cosmetic field offers an excellent opportunity to apply your knowledge of chemistry to the development of products that are sold on store shelves and make people happy. This talk will introduce scientists to the cosmetic industry and the perceptions that the general public has about it. We'll also cover the types of jobs scientists do and provide some advice about surviving and thriving in a career in science.

Bio: Perry Romanowski has spent the past 25 years researching and developing products to solve consumer problems in the personal care and cosmetic industry. His primary focus has been on hair and hair-related products. He is currently Vice President of Brains Publishing, which specializes in science education. In 2014, Romanowski founded the Practical Cosmetic Formulating online training program to provide cosmetic chemists continuing education across a broad range of formula categories. Previously, Romanowski worked for Alberto Culver serving as a senior project leader for hair care innovation. He is currently the Vice President for the Society of Cosmetic Chemists (SCC). Additionally, he has made appearances on popular TV shows including Dr. Oz and the Rachel Ray show.

Romanowski received his B.S. in Chemistry from DePaul University. He has written and edited numerous articles and books, taught the SCC's Beginning Cosmetic Chemistry continuing education class, and developed various websites. In addition, he provides consulting services for

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21st Annual Holiday Dinner Dance November 24th, 2017



The Holiday Dinner Dance managed to top itself again this year as it was a completely SOLD OUT event with 266 people attending! All were in good cheer as we started the evening with the ever popular Antipasto Table. By popular demand we asked **Matt Dean** to return again this year and he was a wonderful hit with the crowd. This year attendees were treated to an exotic Latin dance show performed by **Latin Energy**. The fun didn't end there as a "photo booth" was set up for all to enjoy throughout the evening. The Venetian Banquet Hall and Hospitality Center put together a delicious dinner along with a sweets table that everyone really enjoyed later into the evening. Guests were greeted with a special table favour graciously donated by **MAC**! As well we would like to thank all the companies listed below who generously donated gifts to the prize table!

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To see the full set of pictures of the evening visit <http://www.ontarioscc.org/hdd2017/>

Holiday Dinner Dance Toy Drive a Huge Success!!!



The SCC Ontario executive committee is proud to announce that this year's 4th annual "Toy Mountain" toy drive at the Holiday Dinner Dance was even more successful than last year!! Over 395 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 raffle where many prizes were given away, including a grand prize.



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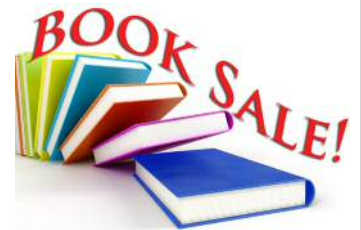
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David Steinberg has reprinted his book “**Preservatives for Cosmetics (3rd edition)**” which has been out of print for several years. He has printed additional copies which are now available. If anyone is interested, they can contact him directly at dcsteinberg@comcast.net.




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<http://scontemail.coffeecup.com/forms/scontemailregistration/>

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Natural Health Product Issues

“Natural Health Products” encompass a large variety of substances, ranging from vitamins and herbal supplements to homeopathic “remedies.” Because there is much confusion about how these products are regulated, and about the claims that are made on their behalf, Health Canada is holding consultation sessions across the country with a view towards updating the rules that apply to marketing “Natural Health Products.”

Along with colleagues, I attended the event in Montreal and had a chance to make a couple of com-

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According to a Health Canada spokesperson, such products are low risk and therefore can be more loosely regulated than prescription drugs. I expressed the view that risk should not even come into the equation until efficacy has been demonstrated. Once that has been established, one can look to see if the benefits outweigh the risks. But any risk is too great if there is no evidence of benefit.

I also commented on Health Canada’s assigning a DIN-HM (drug identification number-homeopathic) to homeopathic “remedies.” This is an official government designation, leading consumers to assume that safety and efficacy has been demonstrated. This is not the case. There is no requirement to prove that such products actually work, only that they have been historically listed in some homeopathic pharmacopeia. Of course, homeopathic products are safe enough since they essentially contain nothing, but nothing also describes the evidence of efficacy. The DIN-HM is especially misleading given that prescription medications are assigned a DIN based on a proper risk-benefit analysis.

Actually homeopathic “remedies” can pose a risk by misleading people into believing that they are effective. Such products should not be assigned a Health Canada number. They should be labeled “homeopathic placebo pills.” If manufacturers so desire, they can even put on the label that the contents have been demonstrated by scientific trials to be effective placebos. Studies show that placebos can work even if people are told they are taking a placebo.

Currently Health Canada requires that companies wishing to market a natural health product apply for a “Natural Product Number (NPN).” Submissions are expected to provide “evidence,” but this can range from anecdotal accounts to traditional use to proper studies. Furthermore, there is a huge backlog in processing applications and many products have received “temporary exemptions” allowing them to be sold without further scrutiny.

Obtaining an NPN is not difficult. It is edifying to examine the specific case of “Chewpods,” candy-like chewables that claim to “provide beneficial effects on energy, concentration and ability to recuperate.” The rationale is that delivery of the active ingredients through the oral mucous membrane bypasses the diges-

Seneca

Seneca College has developed a full time, one year, day time post graduate certificate in Cosmetic Science. We are currently seeking industry experts in the areas of raw materials, formulation and cosmetic regulations to develop curriculum and/or provide instruction. Ideal candidates will have excellent English skills and current expertise in the cosmetic industry. If you are interested, please forward your resume and contact information to; paola.battiston@senecacollege.ca



ATTENTION MEMBERS

Unemployed and Emeritus members may continue to attend monthly meetings free of charge. Please contact the registration booth upon arrival.

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

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A farewell from the chair...



As 2017 comes to an end, and along with it my term as the Chair of the SCC Ontario Chapter, I can't help but reflect on what a privilege it has been to serve you this past year. It was an exciting time to preside over our beloved Ontario Chapter for the Society of Cosmetic Chemists.

Throughout the past year, we enjoyed many great events—from Education Days learning more about the fascinating world of preservatives to "All about Fragrance" along with our other education and regular evening meetings. I hope you enjoyed and learned as much as I did.

Our collaboration with Seneca College graduate program in cosmetic sciences is another great experience for our society which we all enjoy being a part of. SCC has supported the program with society members providing services in teaching, course development, ingredient supply and equipment purchasing. Also, we are supporting our future generation of professionals entering to our industry with scholarships provided on behalf of the chapter.

Just like our fun, energetic industry, we made sure to bring fun and energy to our events! We participated in a wonderful golf tournament, along with our famous Holiday Dinner Dance and other memorable events. We made sure to share these beautiful moments with others through our Toy mountain drive and for another year, we had a great contribution to this amazing initiative supporting the Salvation Army for which I have to say Thank you all for your donations!

Without doubt, I am fortunate to have worked with the best executive board I could ever wish for. Without their impeccable support, none of our achievements would have been possible. I sincerely thank you all!

I am passing this job over to Elizabeth Peitsis (Chair) and Dorothy Maraprossians (Chair Elect), I have no doubt that they will deliver a great job and I will be always glad to provide my assistance as the past chair and one of the board members. We have already planned for a magnificent year and I look forward to seeing you all at the events.

Allow me to close this with a personal note: Functioning as Chair of the SCC is one of the most meaningful privileges I have ever experienced. It has, indeed, been an honour to serve you, one that I deeply cherish.

I would like to thank each and every one of you for your continued support of our chapter.

Saina Taidi

Chair 2017, Ontario Chapter

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Duties & Responsibilities:

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- Adjusting controls to regulate temperature, amount of raw materials, etc.
- Periodically conducting accurate weighing of materials of batches to ensure consistency
- Processing batches as per instruction sheet and batching schedule
- Performing verification checks on all raw material quantities prior to starting batch process
- Maintaining and updating all log books
- Pumping batch phases and finished products
- Collaborating with Production for line changeovers and tank connections plus specialty products, as required
- Maintaining clean and safe work area; cleaning and sanitizing tanks and equipment
- Assist in training and developing new employees
- Ability to work in a team and liaise with various departments
- Ability to work in a fast paced environment while adhering to Company policies and guidelines
- Strong analytical reasoning and math skills required
- Adheres to all company policies and procedures and all established SOP's.
- Trouble shooting minor batching issues
- Complying with Standard Operation Procedures while accurately completing Batching Procedures to accurately measure and blend raw materials
- Liaising with the Production Manager and / or QA/ QC

Skills Required :

- Minimum high school graduate or equivalent
- recognized BSc. Degree in Science related, preferably in Chemistry is desired
- Preferred 2 years work experience in Industrial product manufacturing setting in Technical / Production functions
- Strong communication skills both written and verbal

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Job Type: Full-time

Compensation : Negotiable

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Installation of 2018 Officers and Chapter Meeting Review



For our last chapter meeting of 2017, we were pleased to be joined by SCC National Secretary **Dawn Thiel** who performed dual functions as guest speaker and installing our 2018 chapter officers.

Prior to her presentation Dawn welcomed and installed Elizabeth Peitsis (Chapter Chair), Dorothy Maraprossians (Chair Elect) Rob Castillo (Treasurer) and Andrea Boylan (Secretary) as the 2018 SCC Ontario elected officers.



Dawn then presented on **“Sustainable Extraction and Use of Functional Mineral Clays”** which included great detail on the use mineral clays for personal care products which increased over the past few years as the industry trends have promoted their use in skin, hair, and cosmetic products. Clays were identified as one of the top 3 formats for personal care products in 2015 and that trend has continued thru 2017. The talk also examined the varying functional benefits of mineral clays due to their mineral content and discussed methods to improve the environmental footprint of mineral clay extractions.

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The theory of oral absorption is sound, and many medications, with nitroglycerin for angina being a prime example, are designed to enter the bloodstream by this route. Whether transport through the mucous membranes of the mouth is viable depends on a number of factors including the relative solubilities of the substance in oil and water, with a greater oil solubility being a requirement. The potential of the chemical to bind to mucous membranes and the pH of the saliva are also important. Exactly what technology Chewpods employs to enhance absorption through the mucus membrane of the mouth isn't clear, although there is a claim about "personalized action that balances saliva pH." Since the normal pH of the saliva is in the 6-7 range, and that is also the range where mucosal absorption is the most effective, there doesn't seem to be any need for "balancing." In any case, the evidence provided for faster absorption by means of the technology being used is based on experiments with aspirin and acetaminophen, not the ingredients in Chewpods.

Of course, what interests consumers is not the technology involved in active ingredient delivery, but whether the ingredients deliver the goods. One would think that the issuing of a "Natural Products Number (NPN)" by Health Canada would guarantee that efficacy has been demonstrated, but one would be wrong! The evidence required is minimal, and in the case of products that have several ingredients, there is no requirement for any proof that the product as a whole is beneficial. For example, the "Sleep and Restore" version of Chewpods contains the sleep-inducing hormone melatonin as well as 5-hydroxytryptamine (5-HTP), a precursor to serotonin, the neurotransmitter associated with mood. The dosages, however, are way less than those that have shown any efficacy in clinical trials. Nevertheless, just their presence is enough to get an NPN. There is no requirement to show that the supplement itself lives up to the advertising.

The "Focus and Action" version of Chewpods claims "that product helps to temporarily relieve symptoms of stress such as mental fatigue and sensation of weakness, that it helps support cognitive function such as mental focus and mental stamina, that it provides antioxidants and that it helps the body to metabolize carbohydrates, proteins and fats." Justification seems to be based on the supplement containing the stimulant caffeine as well as an extract of rhodiola, which, at least according to some studies, reduces fatigue. The thin support for metabolizing carbohydrates, proteins and fat comes from the inclusion of vitamins A and B6, which play a role in numerous biochemical reactions.

Now for some numbers. The amount of caffeine (30 mg) is less than that in a cup of coffee, the vitamin A content at 80 mcg is about one-tenth the recommended daily allowance, and the 72 mg of rhodiola extract, also the source of the over-hyped antioxidants, is way less than what has been shown to have any benefit in placebo-controlled trials. There is no harm in trying Chewpods, but remember that Health Canada's NPN on the label does not mean it has been shown to be effective. And that is something to chew on.

Natural product regulations are sorely in need of updating but it is a complex undertaking because sound science is not the only factor that enters the picture. Industry lobbying against tightening regulations is extensive, which is understandable given that the dietary supplement market is huge and many companies try to get in on the game by torturing data until it succumbs to their desires. An estimated 40 billion dollars are spent each year in North America on vitamins, minerals, herbal products and various esoteric fruit and animal extracts that purport to keep our bodies running smoothly in face of an avalanche of "toxic chemicals" unleashed by Big Pharma, Big Food, Big Agro and Big Beauty. Of course, the dietary supplements never contain "chemicals," they only contain "natural" substances that are portrayed as the secret to health. Advertisements feature trim, attractive bodies brimming with vigour, thanks to nature's gifts. Never mind that those gifts may not contain what the label indicates, that they may be adulterated with real pharmaceuticals, or that the "evidence" provided is on such a shaky platform that a little scientific jiggle leads to its collapse.

Article compliments of Joe Schwarcz PhD

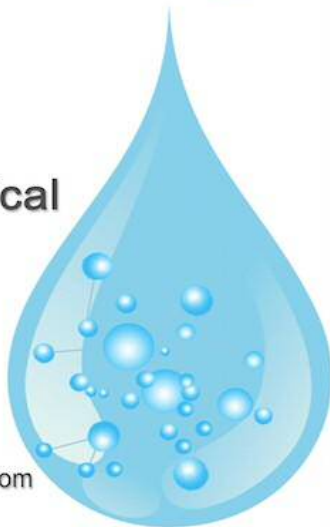

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Did You Know?

What you need to know about poinsettias and poison

If you have avoided having poinsettias in your home with small children or animals, you're not alone. But despite the commonly held belief that poinsettias are toxic, they aren't. This myth seems to have originated in 1919 with a misattributed poisoning of a child, and perhaps persisted because several members of the same family of this flower are quite toxic. But despite fears of poinsettia poisonings in over 22 thousand calls made to American Poison Control about children eating the red leaves, there wasn't a single fatality. A 50 lb (22.68 kg) child would need to eat 500-600 leaves to exceed the doses that have been proven experimentally safe. These leaves, however, aren't meant for your salad, so eating even a couple can give you an upset stomach or cause vomiting (as is commonly seen in dogs and cats). Really the only poinsettia owners who need to worry are those allergic to latex, as the poinsettia plant emits latex



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NEWSLETTER POSTING DATES FOR 2018

Here are the dates for 2018 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- ♦ January 18th
- ♦ February 22nd
- ♦ May 3rd
- ♦ August 21st
- ♦ October 11th



(or as close as we can get)

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

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



Presenters Welcome!!!



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

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UPCOMING EVENTS

February 8th, 2018 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— <i>“On Becoming a Cosmetic Chemist—How to Survive and Thrive in Your Career”</i> Perry Romanowski
March 22nd, 2018 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
May 31st, 2018 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
July 26th, 2018 Caledon Woods Golf Club	18th Annual SCC Ontario Chapter Golf Tournament
September 18th, 2018 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— Education Day
November 8th, 2018 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
November 30th, 2018 The Venetian, Vaughan ON	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 the University of Toronto, University of Waterloo, University of Guelph and McMaster University. The program began in 2003 and 14 students have received

awards.

Interested students are invited to submit a brief one page outline to Dennis Zuccolin, Director of Scholarships at dzucoli@maccosmetics.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.

Successful candidates are encouraged to attend SCC meetings, volunteer at events, collaborate with members of the Society, prepare a poster presentation, write an article for the newsletter and make a brief 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 \$150 US. Applications are available from your Executive Committee or on-line at;

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March 2018

Volume LXXXII

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SCC Ontario Regulatory Update Meeting

THURSDAY MARCH 22nd, 2018

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Non-Members \$100 (Pre-Registered)

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

rob.castillo@univarcana.com

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

SCC Ontario Regulatory Update Meeting

THURSDAY MARCH 22nd, 2018

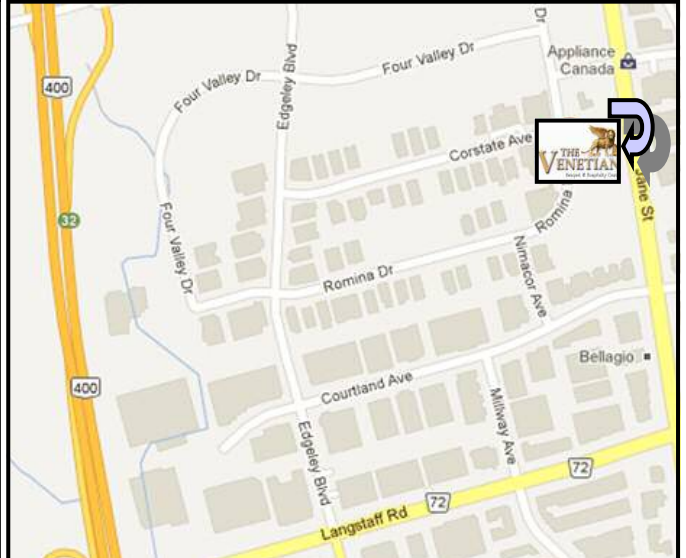
**FREE FOR SCC MEMBERS (Pre-Registered)
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Fees: **FREE for SCC Members
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**Non-Members \$100
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AGENDA FOR THE DAY

9:00 am - 9:30 am	Registration and continental breakfast
9:30 am - 10:30 am	David Steinberg—Global Update
10:30 am - 10:45 am	Break
10:45 am - 12:00 pm	David Steinberg—Global Update
12:00 pm - 1:00 pm	Lunch
1:00 pm - 2:00 pm	Gayle Fortin—Proposition 65
2:00 pm - 2:15 pm	Break
2:15 pm - 3:30 pm	Teena Warrin—Canada Update
3:30 pm	Adjourn

Abstract : Proposition 65 – Betaines & Hydroxysultaines

2018 is a significant year for anyone affected by Prop 65. There are changes that will come into effect August 30th. This presentation will provide a brief overview of Prop. 65 and the coming changes, with a focus on Betaines and Hydroxysultaines. Included, will be a general comparison of these two chemistries for the Personal Care formulator.

Bio: Gayle Fortin

Sales & Business Development Manager, StarChem Canada

For 30 years, Gayle has been involved in chemical manufacturing and supply to the Personal Care and Household industries. She has held positions in R&D, QC, Manufacturing and Sales. At StarChem, Gayle leads Business Development in North America for Specialty Chemicals into the Personal Care and Household markets. Gayle lives with her family in Barrie Ontario. She loves to snowboard, travel and dabbles in the fine arts.

Abstract: 2018 may have the most sweeping changes to regulations of cosmetics since the changes to the EU Directive. Major changes are coming in the EU (both cosmetics and REACH), the US, especially in OT drugs; while China is slowly moving to modernize their regulations.

Bio: DAVID C. STEINBERG founded Steinberg & Associates, Inc. in 1995 as a consulting company that specializes in cosmetic regulations, labeling, preservation and sunscreens. He has over 45 years experience in the cosmetic industry. He founded the Masters Degree program in Cosmetic Sciences at Fairleigh Dickinson University and taught there from 1982 to 2000. He is a member of the American Chemical Society, Society of Cosmetic Scientists, Institute of Food Technologists, Regulatory Affairs Professional Society- where he is the only member elevated to Fellow status who deals with the regulations of Cosmetics and topical drugs; and is a Fellow member of the Society of Cosmetic Chemists. In 1991 he was the President of the US Society of Cosmetic Chemists. From 1992-5 he served on the Presidium of the International Federation of Societies of Cosmetic Chemists. He has written 5 books including Preservatives for Cosmetics (The third edition is now available), The Guide to European Cosmetic Regulations, and has authored many papers and chapters in books.

Abstract: Canada update

The presentation will cover new and existing regulatory challenges facing our industry. Topics will include: GHS Implementation, Cost Recovery Proposal for Drug Establishment Licensing, Health Canada's Self Care Products Framework, CEPA Review, In Commerce List Prioritization and useful resources for further assistance.

Bio: Teena Warrin is the Product Safety and Regulatory Affairs Manager at Croda Canada Ltd. She has a background in Safety Engineering and has been involved in the chemical distribution industry in Canada for over twenty-five years. Teena was the 13th recipient of the Canadian Association of Chemical Distributors President's Award. This award was presented in recognition of Teena's many years of service to the industry and particularly for the advocacy role she played on the Environmental Assessment Working Group (EAWG) and its subcommittees.

Teena remains an active member of Responsible Distribution Canada (RDC) Regulatory Affairs Committee, Cosmetic Alliance Canada Ingredient Safety Risk Assessment Committee, and the Formulated Products Industry Coalition (FPIC)

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A welcome note from the Chair.....



It is an honour to be your 2018 chapter Chair for the Ontario Society of Cosmetic Chemists!

Having been a member of the SCC for the past 10 years has been a great experience; I have learned a great deal and met some of the most interesting people in my life. The societies dedication to education encourages individuals to excel and develop their knowledge within Cosmetic industry.

Being part of such a dynamic organization has provided me with valuable tools and opportunities to advance in my career and has given me the knowledge to understand the complexity of our industry and appreciate the truth and science behind the products I use every day. The SCC is a great networking outlet for growth and learning and I encourage everyone to attend all of our 2018 SCC events as you will always learn something – and something learned is always something gained!

For me personally, I know being the Chair of this notable North American organization in the Personal Care Industry will be a great learning experience and I am looking forward to contributing any way I can. Working closely with chapter members allows for constructive collaboration as well as the sharing of ideas with other SCC chapters, and I see this as always a worthwhile experience.

In short, as a member for so many years, the SCC has enriched my life in so many ways, keeping me informed of the changes, challenges and innovations within our industry and I am looking forward to serving as your chapter chair.

I am committed to doing whatever I can to make this a successful, fun year! Please feel free to forward any of your ideas and suggestions to continually improve the Ontario SCC Chapter.

Thank you for your support and remember to always follow your dreams and be passionate about what you do!

Elizabeth Pettis

Chair, Ontario Chapter



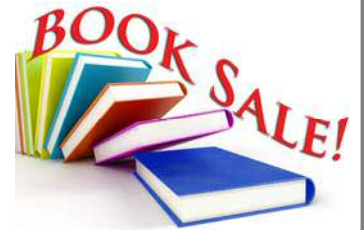
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David Steinberg has reprinted his book “**Preservatives for Cosmetics (3rd edition)**” which has been out of print for several years. He has printed additional copies which are now available. If anyone is interested, they can contact him directly at dcsteinberg@comcast.net.




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paola.battiston@senecacollege.ca

ATTENTION MEMBERS

Unemployed and Emeritus members may continue to attend monthly meetings free of charge. Please contact the registration booth upon arrival.

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

Perry Romanowski Presents at Seneca College Campus

The SCC Ontario Chapter was happy to welcome **Perry Romanowski** as our guest speaker for the February 8th chapter meeting. The event was held at Seneca York Campus in association with post graduate Cosmetic Science program. Many students as well as SCC Ontario members were treated to an educational and entertaining talk in addition to a buffet dinner at "The Hive" pub located on campus.



Perry's presentation entitled "*On becoming a Cosmetic Chemist -How to Survive and Thrive in Your Career*" was well received by the many budding research scientists in attendance. The talk underscored the multifaceted elements that are involved in the field of chemistry and how, in particular, the cosmetic field offers an excellent opportunity to apply the knowledge learned to the development of products that are sold in the marketplace. Perry's presentation was an excellent introduction to scientists of the cosmetic industry and the perceptions that the general public has about it. In addition the talk covered the types of jobs scientists do and included some advice about surviving and thriving in a career in science.

Perry has spent the past 25 years researching and developing products to solve consumer problems in the personal care and cosmetic industry. His primary focus has been on hair and hair-related products. He is currently Vice President of Brains Publishing, which specializes in science education. In 2014, Romanowski founded the Practical Cosmetic Formulating online training program to provide cosmetic chemists continuing education across a broad range of formula categories. Previously, Romanowski worked for Alberto Culver serving as a senior project leader for hair care innovation. He is currently the Vice President for the Society of Cosmetic Chemists (SCC). Additionally, he has made appearances on popular TV shows including Dr. Oz and the Rachel Ray show.



Perry has written and edited numerous articles and books, taught the SCC's Beginning Cosmetic Chemistry continuing education class, and developed various websites. In addition, he provides consulting services for cosmetic formulating, testing and Internet solutions; he can be reached through his website, www.ChemistsCorner.com.

Download Perry's presentation here <http://www.ontarioscc.org/presentations.htm>

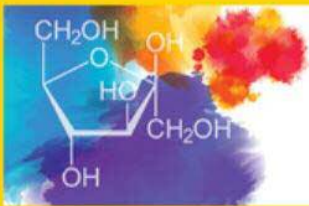
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Sun Protection Products

When it comes to health matters, scientists rarely make statements that do not begin with “may.” But here is one. Excessive exposure to sunlight causes skin cancer! There’s no “may” about it. Neither is there any “may” about sunlight causing “photoaging,” the development of leathery wrinkled skin with long term sun exposure



When it comes to health matters, scientists rarely make statements that do not begin with “may.” But here is one. Excessive exposure to sunlight causes skin cancer! There’s no “may” about it. Neither is there any “may” about sunlight causing “photoaging,” the development of leathery wrinkled skin with long term sun exposure. And the damaging effects of sunlight are not restricted to farmers toiling in the fields or to sun-worshipping yuppies in quest of that alluring tan. Children and infants are also vulnerable. Luckily chemical protection is readily available. Uncertainties do, however, emerge when it comes to deciding on which specific chemicals to use.

There is also the question of whether children because of their more sensitive skin need special products. Some activist organizations claim that certain sunscreen ingredients are unsafe and blame regulatory agencies for not looking after the welfare of the public, while manufacturers profess that their products have been thoroughly tested for safety and efficacy. As usual, the public is left confused. Actually, when you blow away the superfluous blather emanating both from the alarmists and from industry, there is some simple advice to offer. You need to choose a product that offers protection both from UVB, the so-called burning rays, as well as from UVA, the longer, more penetrating waves that have been linked with skin cancer. Remember that the SPF number only refers to UVB. There is no need to look for anything higher than 30. That will filter out over 97% of all UVA. But you also need UVA protection. Look for avobenzone and zinc oxide, chemicals that are very effective at blocking long wavelength ultraviolet light. The sun protection product should be applied 15- 30 minutes before sun exposure and reapplied 15-30 minutes later and once more two hours later, although the fact is that nobody should be lying out there roasting for two hours no matter what. Forget terms like “waterproof.” Sun protection has to be applied each time after coming out of the water. And most important, enough lotion has to be applied. It takes 30 grams, or roughly a shot glass full for the body and half a teaspoon for the face. Most people apply way too little.

There is one more “may” about sunscreens that has been converted to fact. We no longer have to say that sunscreens may prevent skin cancer, we can say they do. A study in Australia, where skin cancer is a huge concern, involved 1600 subjects who were given sunscreen to use every day for four and a half years. They developed 40% fewer squamous cell cancers than a control group who just maintained normal skin care without being given specific instructions about the use of sunscreens. Remember only mad dogs and Englishmen go out unprotected into the noon day sun.



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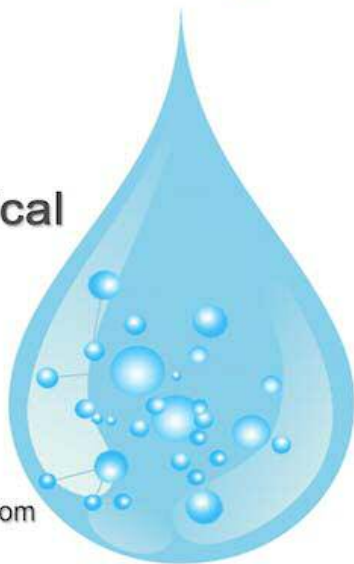
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July 26th, 2018 Caledon Woods Golf Club	18th Annual SCC Ontario Chapter Golf Tournament
September 18th, 2018 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— Education Day
November 8th, 2018 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
November 30th, 2018 The Venetian, Vaughan ON	Holiday Dinner Dance



THE ART & SCIENCE OF FORMULATION SUPPLIERS' DAY 2018
JAVITS CONVENTION CENTER, NYC
MAY 15-16, 2018

NEW YORK Society of Cosmetic CHEMISTS SUPPLIERS' DAY

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 the University of Toronto, University of Waterloo, University of Guelph and McMaster University. The program began in 2003 and 14 students have received awards.

Interested students are invited to submit a brief one page outline to Dennis Zuccolin, Director of Scholarships at dzucoli@maccosmetics.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.

Successful candidates are encouraged to attend SCC meetings, volunteer at events, collaborate with members of the Society, prepare a poster presentation, write an article for the newsletter and make a brief 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 \$150 US. Applications are available from your Executive Committee or on-line at;

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

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



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NORTHERN HIGHLIGHTS

The SCC Ontario Chapter's Newsletter

May 2018

Volume LXXXIII

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SCC ONTARIO CHAPTER MEETING

"Global Beauty and Personal Care Trends"
—Lauren Goodsitt / Mintel

THURSDAY MAY 31st, 2018

PRE-REGISTER TO SAVE MONEY

If you prefer you can reserve a spot by email or fax. Send us a note that you will be there. We will confirm receipt of your reservation. You can then either bring the payment with you or put it in the mail. Please make your reservation prior to **Monday May 28th, 2018**

Please note:

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

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

rob.castillo@univarcana.com

or by fax at (416) 740-2227 OR on-line at:

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

SCC ONTARIO CHAPTER MEETING

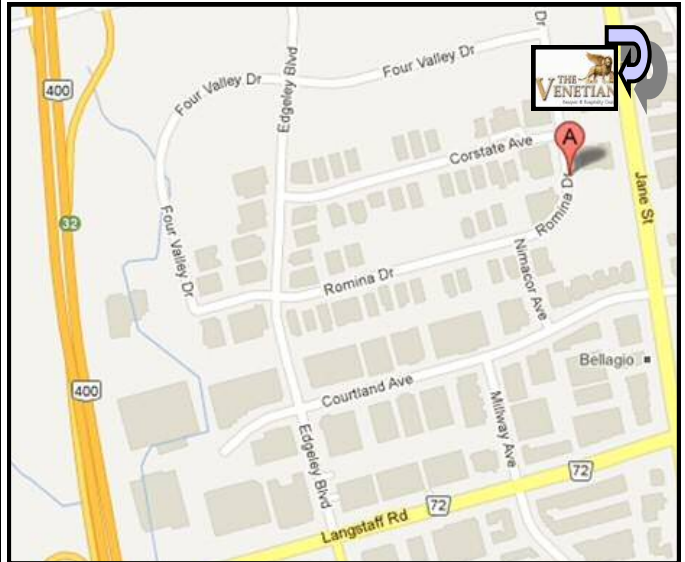
“Global Beauty and Personal Care Trends”
—Lauren Goodsitt / Mintel

THURSDAY MAY 31st, 2018

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

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

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



Abstract:

Mintel's Global Beauty & Personal Care Analyst, Lauren Goodsitt, will be taking you through a snapshot of the four major trends set to impact the global beauty and personal care industry next year and into the future.

Bio: Lauren Goodsitt

Global Analyst, Beauty & Personal Care

With over 6 years of research experience, Lauren brings expertise in data analysis and trend interpretation. Since joining Mintel in 2014, Lauren has worked with nearly all major beauty brands and companies. She utilizes research to help develop innovative product concepts, understand the landscape of the beauty categories, and to apply relevant industry trends. Lauren has a strong passion for the beauty industry, which furthers the depth of her knowledge. Her command of data and trends, paired with her enthusiasm for the industry, allows her to be a valuable asset to the Mintel beauty portfolio.

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From Toronto

- Hwy 427 north to Hwy 7.
- Hwy 7 west to Hwy 50.
- Hwy 50 north through the town of Bolton.
- Caledon Woods Golf Club is 6km on the west (left) side.

Note: if you are traveling on Hwy 407, you must exit on to Hwy 427 North.

From Barrie

- Hwy 400 south to Hwy 9.
- Hwy 9 west to Hwy 50.
- Hwy 50 south 8km.
- Caledon Woods Golf Club is on the west (right) side



RENTAL SET REQUEST FORM

PLEASE COMPLETE THE FORM BELOW TO RESERVE YOUR RENTAL SET OF GOLF CLUBS. FORMS MUST BE COMPLETE AND RETURNED TO CALEDON WOODS 2 WEEKS BEFORE THE DATE OF THE EVENT.

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ATTN: James Langford

Name: _____
Name of Event: _____ Date of Event: _____

Please apply the RENTAL SET charge of \$40.00 plus applicable taxes to the following credit card number:

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Credit Card #: _____ Expiry Date: _____

Please check the appropriate box to reserve your set:

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❖ Caledon Woods will provide rental sets of clubs according to the requirements of the golf event. Rentals sets must be requested in writing **14 DAYS** prior to the golf event. Caledon Woods will make every effort to provide last minute rental club arrangements but cannot guarantee availability. Each guest that rents a set of rental clubs is required to provide a major credit card as a deposit for the rental clubs. The guest renting the rental sets shall be solely responsible for the rental set. Any clubs not returned at the completion of the golf event will be charged at full retail price to the credit card number provided above. Rental sets **MUST** be returned to the Pro Shop at the completion of play to redeem your credit card deposit.

Print Name

Signature

Date



CORPORATE EVENTS DRESS CODE

Gentlemen

- A Golf Shirt with a Collar, Turtlenecks, or Mock-Neck Shirts (Shirts must be tucked in at all times)
- Casual or Dress Slacks
- Bermuda Shorts
- Caps can be worn with the peak forward
- Ankle or knee socks
- Soft Spike or Soft Soled Shoes

Ladies

- Golf Shirt with a Collar (Sleeveless style acceptable for women)
- Casual or Dress Slacks
- Bermuda Shorts
- Caps can be worn with the peak forward
- Ankle or knee socks
- Soft Spike or Soft Soled Shoes

Inappropriate Golf Course & Clubhouse Attire includes:

- Jeans of any kind, gym shorts, track / sweat suits, beach wear
- Shoes with metal cleats or spikes

Thank you for adhering to our policy on suitable attire at each of our clubs. Any golfer who does not follow this policy will be asked to change or purchase appropriate clothing from the golf shop. If they do not comply, they will not be permitted on the course.



For further information, please contact our Corporate Events Department
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SOCIETY OF COSMETIC CHEMISTS ONTARIO CHAPTER SCC

c/o 64 Arrow Rd. Weston ON, M9M 2L9

SCC 18th Annual Golf Tournament

Thursday July 26th, 2018

Location: Caledon Woods Golf Club (6 km north of Bolton)

Time: 1:00 pm Shotgun start.

	Prior to June 30	After June 30th
Fee: Golf, Lunch & Dinner Package	\$190	\$205
Golf & Lunch only	\$125	\$135
Dinner—only	\$80	\$90



Fees include:

Itinerary :

18-hole green fees with carts	10:00 - 12:00 pm Registration
Professional tournament scoring	12:00 - 1:00 pm Lunch
BBQ lunch	1:00 PM Golf - Shotgun start
Dinner	5:30 PM Cocktails
Use of practice green, locker and shower facilities	6:30 PM Dinner & Prize Presentation

Please indicate below the participants' name(s) and company(s):

HOST: _____
 Golf/Dinner Package Golf + lunch Dinner-only

GUEST: _____
 Golf/Dinner Package Golf + lunch Dinner-only

GUEST: _____
 Golf/Dinner Package Golf + lunch Dinner-only

GUEST: _____
 Golf/Dinner Package Golf + lunch Dinner-only

Number of vegetarian meals needed _____

1. Pre-registration is required for this event along with completed copy of this form, no email or online registration accepted
2. Pre-register with Gagan Jain Email gjain@tradebrilliance.com (# 647-926-3674)
3. Registrations received after June 30th, 2018 will have a surcharge as noted above
4. Send payment to confirm your spot to: The SCC Ontario Chapter, c/o Robert Castillo , 64 Arrow Rd. Weston ON, M9M 2L9



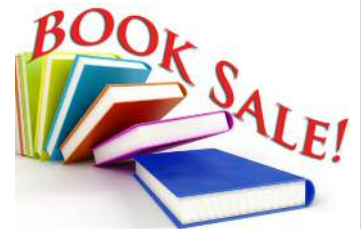
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David Steinberg has reprinted his book “**Preservatives for Cosmetics (3rd edition)**” which has been out of print for several years. He has printed additional copies which are now available. If anyone is interested, they can contact him directly at dcsteinberg@comcast.net.




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

<http://scontemail.coffeecup.com/forms/scontemailregistration/>

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

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JOB SEARCH

JOB OPPORTUNITY - FACULTY Professor, School of Biological Sciences and Applied Chemistry

Competition #: 18F-1031

Department: Faculty of Applied Science and Engineering Technology

Location: Seneca@York Campus (Faculty may be required to teach at other campuses as needed)

Position Type: Full-time

Start Date: August 2018

Posting Dates: March 26, 2018 to April 13, 2018 (External)

Position Summary:

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

Program Area/Level:

Responsible for teaching courses within the Cosmetic Science Graduate Certificate program.

Responsibilities:

Under the direction of the senior academic officer of the College or designate, the Professor is responsible for:

Teaching:

- Ensuring student awareness of course objectives, approach and evaluation techniques.
- Carrying out regularly scheduled instruction, which may include tutoring and academic counselling of students.
- Providing a learning environment which makes effective use of available resources, work experience and field trips.
- Evaluating student progress/achievement and assuming responsibility for the overall assessment of the student's work within assigned courses.

Course and Curriculum Development:

- Consulting with program and course directors and other faculty members, advisory committees, accrediting agencies, potential employers and students.
- Defining course objectives and evaluating and validating these objectives.
- Specifying or approving learning approaches, necessary resources, etc.
- Developing individualized instruction and multi-media presentations where applicable.
- Selecting or approving textbooks and learning materials.

Academic Leadership:

- Providing guidance to Instructors relative to the Instructors' teaching assignments.
- Participating in the work of curriculum and other consultative committees as requested.
- Providing leadership to the Program Advisory Committee.

Qualifications: Education

- Minimum completed four (4) year degree in Biology, Chemistry, Microbiology, Biochemistry, Pharmacology, Toxicology or related discipline is required. A master's degree is preferred. If education is in a related field of study, please state how it is related.

Experience

- Minimum one (1) year of teaching or training experience is preferred.
- Minimum three (3) years' relevant practical experience in the pharmaceutical and/or cosmetic industry such as manufacturing and/or formulation is required.

Skills

- Ability to engage with industry to encourage program and student development.
- Ability to work with other programs and schools to develop unique learning opportunities and pathways for students.
- Ability to convey conceptual and practical aspects of subjects to students while respecting their diverse backgrounds, experience and individual learning styles.
- Ability to work in a team with a commitment to a team approach for problem solving and conflict resolution.
- Excellent presentation, communication and human relations skills to interact effectively with the College's multi-cultural/racial/able student and staff population, as is an understanding of and commitment to equity in education.

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

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

To apply: Please submit your application online via **Seneca's Careers Page**.

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

JOB SEARCH

Siltech Corporation, a Canadian owned Chemical company, is looking to hire immediately a full time, permanent Personal Care Application Chemist for our Toronto facility.

We are seeking a Personal Care Application Jr. Chemist with expertise in formulations to join our growing R&D team. Reporting to the Sr. Chemist, this position contributes to Siltech's cosmetics business growth by formulation development. This position also provides product technical support to Sales Managers and customers to ensure formulations meet and exceed client expectations, while adhering to FDA, ISO, GMP, EWG guidelines and global regulations. This is a fantastic opportunity to work with an established cosmetics raw material lab and assist in business expansion.

The Jr. Chemist also evaluates new technologies and supports R&D, production and quality in determining the effectiveness of new products/processes in cosmetics applications.

Responsibilities and Duties

- Helps develop world class and stable personal care formulations containing Siltech specialty silicones.
- Helps design new technical data sheets, presentations, and brochures for new personal care formulations.
- Prepares samples in accordance with Sales Managers and customers' requests and specifications.
- Repeats and creates stability protocols and oversees the stability process and testing, including all documentation.
- Researches and understands market trends in the industry to stay ahead of the curve in developing products to meet market demand.
- Assists in the proper maintenance of the laboratory and equipment as well as all formulation records.
- Studies effects of various methods of processing, preserving, or packaging on composition or properties as it relates to the development of formulas.
- Analyzes all changes to existing formulas to determine proper testing, stability effects, etc.
- Assists in the improvement of current formulations of products when needed.
- Receives documents, and organizes incoming raw materials and samples.
- Conducts research on product formulations, properties of raw materials and field evaluations.
- Orders laboratory supplies, such as chemicals, when supplies are low or near their expiration date.
- Any other duties as directed by supervisor.

Qualifications and Skills

- 1-3 years of experience in the development and manufacturing of personal care products. (skin care, hair care, color cosmetics, etc.)
- Must have Bachelor degree or Masters degree in chemistry or a related science.
- Professional written and oral communication skills.
- Computer literate in Excel, Microsoft Word, and Microsoft Outlook. Computer graphic design is a strong plus.
- Ability to prioritize workloads and the flexibility to manage multiple tasks and deadlines.
- Ability to work well with other employees.
- Operating laboratory equipment and instruments, such as mixers, viscometers, pH meters, and homogenizers.
- Ability to maintain confidentiality with sensitive information.

This opportunity offers a full Benefits and Pension package.

Applicants can apply via email to hr@siltech.com.

JOB SEARCH

Sales Coordinator—Cambrian

Established in 1995, Ontario, Cambrian Solutions is a vibrant sales and marketing company with a primary focus of supplying globally-sourced raw materials and chemicals to our expanding range of customers across Canada. We are a dynamic group of growth focused individuals who pride ourselves on our technical and solutions-oriented approach to our customers' needs.

Cambrian offers a competitive salary in addition to a positive and collaborative corporate culture. We believe in developing people as well as growing our business and make this philosophy a priority. Our head office is located in Oakville, Ontario. Please visit our website at www.cambrian.com to learn more about us.

Position Available: Sales Coordinator

Type of Position: Full-time (12-13 Month Contract)

Division: Personal Care

Primary Location: Oakville, Ontario

General Summary

The Sales Coordinator's primary responsibility is to partner with the Commercial Directors and Account Managers to drive business results through the development of solid relationships with customers, increased sales, and positive working relationships with internal business groups

Major Tasks and Responsibilities

Customer Relations and Order Management

- Establishes and maintains a positive and continuous working relationship with existing and potential customers.
- Provides support for new and growing business by researching potential customers for our range of offerings as directed by Commercial Director.
- Uses various information sources such as industry journals, directories, online search engines and product labels, to search for and seek out potential new customers
- Qualifies that leads from inbound website opportunities meet established criteria, then coordinates follow up and hand off to the appropriate sales representative.
- Generates Non-Conformance Reports according to procedure; Determines next steps and solutions, working in conjunction with the Product Coordinator and the Document Control Coordinator; Monitors to ensure NCR's are closed within a timely manner.
- Communicates with Sales on any product issues and requests their involvement if required, for any immediate action / resolution.
- Operates as the "go to" person for Account Managers on a day to day basis for sales support, pricing, and up to date information.

Quotations / Administration

- Prepares and distributes quotations to Account Managers in a timely manner, based on feedback from the Commercial Director
- Coordinates large RFQ quote requests and communicates with the Commercial Director
- Coordinates administration paperwork for new customers, such as new customer forms, welcome packages, credit applications and any other administrative requirements
- Collaborates with the documentation team on customer and sales requests, for existing or new product documentation
- Assist Sales with sample requests when required, which may include issuing requests through the online portal, following up on status, and ensuring completed delivery
- Updates the internal system with customer pricing, terms, special requirements, contacts and contract sales orders.
- Provides Commercial Director with sales reports as needed.

Sales Data Management

- Manages the Master Pivot Table by reflecting updates from Chempax changes and monthly sales reports
- Extracts data to provide monthly information updates by Commercial Director and Account Manager

Education and Experience

- University or college degree / diploma
- Previous industry experience preferred but not required,
- Minimum three years' experience in a customer service or sales supported related role.
- Experience working with multiple product lines, multiple customers and multiple Account Managers
- Understanding of GAAP

Required Knowledge and Skills

- Software knowledge of Microsoft Office Suite (Outlook, Word, Excel and PowerPoint)
- Familiarity with Customer Relationship Management (CRM) software
- Effective written and verbal communication skills, and ability to adapt communication style to the audience
- Exhibits good judgment and professionalism when dealing with both customers and internal team members
- Dynamic personality with an ability to work effectively independently and as part of a team
- Detail oriented with sound analytical and problem-solving capabilities, (outside the box thinking)
- Strong organization skills with the ability to work in a fast paced, deadline driven environment
- Ability to adapt to changing priorities and balance workload to meet new business requirements
- Ability to negotiate win-win situations

If you are interested in joining our team, please forward your resume and cover letter to careers@cambrian.com, Attn: Sales Coordinator.

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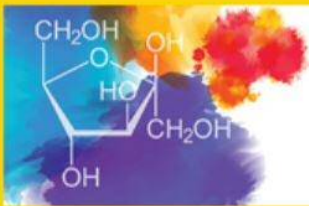
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**Important
Notice**

**SENECA CAPSTONE PRODUCTS AT
MAY SCC CHAPTER MEETING**

Seneca Cosmetic Science students recently completed their program and participated in the Capstone Project in the final term. Small teams were tasked with developing a new cosmetic product and presenting to a team of judges. The Ontario Chapter is inviting students to present their Capstone Products at the upcoming May Chapter meeting. If you are planning to present please register for the meeting with Rob Castillo and include the name of your new product in the email, so that we can arrange to have a table for your presentation.



CALLING ALL NEW SENECA COSMETIC SCIENCE STUDENTS

The May Chapter meeting is an excellent opportunity to network with local cosmetic chemists, recent Seneca graduates, learn about possible Co-op positions and listen to how Mintel uses data from many sources to determine trends in Global Beauty & Personal Care. The SCC team encourages the new Seneca Cosmetic Science students to attend our evening meeting, meet our members and spread out to different tables during the dinner.

SCC COSMETIC SCIENCE SCHOLARSHIP AWARDS

SCC Scholarship Awards were presented to three Cosmetic Science students at the Seneca Scholarship Awards Ceremony on Tuesday, April 24, 2018. Kavita Beharry, Karen Huynh and Jessica Kizovski recently graduated and were selected for the awards based on Teamwork and Academic Standing in the program. They were very grateful for receiving the award and had several suggestions on how SCC could improve engagement with students. We wish them well in their future Cosmetic Science careers.



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Do You Know the Fastest Way to Become an Expert Cosmetic Formulator?

Article by: Perry Romanowski

There are many different routes you can take to learn to become an expert formulation chemist but few are more powerful than conducting your own knock-out experiments. These type of experiments can help you learn a number of things such as,

1. The function of raw materials
2. The performance effect of raw materials
3. The formula effect of raw materials

It can also potentially lead to the discovery of a new formulation and cost savings ideas.

Formulation Chemist Knockout Experiment

The term **knockout experiment** was taken from the field of genetic engineering. In it, scientists create organisms in which they remove or “knock out” a specific gene. Then they see what effects the removal of a certain gene has on the organism.

In the cosmetic chemist’s version of a knockout experiment, you take a known formula and “knock out” a specific raw material. You then see what effect the absence of that raw material has on the final product. It’s a simple yet powerful study that can quickly get you familiar with any formula.

What will a cosmetic knockout experiment teach you?

When you first start your cosmetic formulating job, you will often start new projects with a formula that your company had previously developed. I remember the first formula I ever made (a shampoo) was originally developed by the guy whose notebook I inherited. My boss asked me to make samples to give to our Marketing group for evaluation. I had no clue about why any of the raw materials were used, what they did, or even how hard they were to work with.

You will undoubtedly be in the same position if you are just starting in this industry. Even if you’ve been around for a long time, it’s impossible to know the effect of raw materials in any formula you haven’t personally made (or observed being made).

Knockout experiments can rapidly tell you when making a batch exactly which ingredients have the most effect, which ones can be removed and which ones interact. When you’re done making the formulas, you can learn what raw materials have the most impact on the final specifications and the product performance.

The amount of information you can learn from a single knockout study makes it well worth doing on every new formula you are asked to work on

How to conduct a cosmetic knockout experiment

Running a knockout experiment is fairly easy. All you have to do is take your initial formula and make a series of batches in which you remove one ingredient. If it’s a water-based formula, you simply add water to replace the missing mass.

Here is an example batch sheet for conducting a knockout experiment on a shampoo formula. (Click to enlarge) As you can see, each subsequent formula has a line where the value of one ingredient is supposed to be.

Cleansing solution (Handbook of Cosmetic Science and Technology)									
		Size 500 gms							
#	Ingredients:	% WT.	Control	A	B	C	D	E	F
1	Water	38.98	194.9	194.9	194.9	194.9	194.9	194.9	194.9
2	Sodium Laureth Sulfate (30%)	40.00	-	200	200	200	200	200	200
3	Sodium N-lauroylmethyltaurate (30%)	10.00	50	-	50	50	50	50	50
4	Cocamide DEA	3.00	15	15	-	15	15	15	15
5	Glycerin	5.00	25	25	25	-	25	25	25
6	Sodium Chloride	2.00	10	10	10	10	-	10	10
7	Fragrance	1.00	5	5	5	5	5	-	5
8	Preservative	0.02	0.1	0.1	0.1	0.1	0.1	0.1	-
9	Water	0.00	200	50	15	25	10	5	0.1
Total=		100.00							
		pH							
		Viscosity							
Procedure									
Begin mixing items #1 thru 5. When thoroughly mixed, add #6-9									

Continued on next page...

Continued from previous page

In this formula there are 8 unique ingredients which means you will need to make 8 different batches. The first batch is the control batch which should be made first. This ensures that you are able to successfully make the formula.

You should try to control as many variables as possible such as temperature, mixing speed, mixing time, etc.

Simplifying the knockout experiment

While it is best to make a new formula for each ingredient, this can become impractical and unproductive if there are dozens and dozens of different raw materials. In these cases you can minimize the number of batches to make by ignoring ingredients not expected to significantly impact the end performance such as

1. fragrance
2. dye
3. extracts
4. preservatives

If you don't know which ingredients are superfluous, ask one of your more experienced peers. But be careful. It is wrong to make any assumptions about a formula. There could be ingredients you expect not to have any effect that do.

It's worth noting that more complicated versions of this knockout experiment can be conducted using DOE (design of experiment) software. These experiments can give you much more information. Unfortunately, they also require many more batches to be made. In future articles we will discuss DOE further.

Evaluating your cosmetic knockout formulas

After you've made your batches you will end up with a series of formulas that need to be tested. At the very least you should take pH and viscosity measurements. You can then correlate the presence of any ingredient with an effect on those variables. This can be extremely useful if you need to help make adjustments on the production level in characteristics like pH, viscosity, texture, odor and appearance.

You should also conduct appropriate lab tests to see how the removal of a certain ingredient affects performance. For foaming products, conduct foam tests. For skin lotions, do a moisturizing test. Perhaps most important is to try the product out on yourself. Try to experience the product like a consumer. This will give you excellent clues about how important any raw material is to the overall effect of the formula.

Knockout your cosmetics

The knockout experiment is not a perfect way to learn all you can about a formula. There are important synergistic effects it will miss. That's why DOE is often superior. However, you can't beat knockout experiments for speed and ease. And you'll definitely learn a lot about raw materials quickly. To become a great formulation chemist you have to make a lot of batches and try many different ingredients. The knockout experiment helps get you there faster.

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SCC Ontario Regulatory Update Meeting

On Thursday March 22nd the SCC Ontario chapter hosted a day long regulatory update meeting. About 75 attendees joined us at the Venetian Banquet Hall in Vaughan to listen to the speakers assembled for the day.



As our industry continues to twist and turn with respect to the ever changing regulatory “winds” it is more important than ever to gather the personal care industry experts to help navigate these regulations.

We started the day with Dave Saucier. Considering 2018 may have the most sweeping changes to regulations of cosmetics since the changes to the EU

Directive, it was important to hear Dave’s “global” viewpoint on the subject. Dave’s full presentation can be downloaded here <http://www.ontarioscc.org/index.htm/files/sccsauciermarch222018.pdf>. We particularly want to thank Dave for flying in from Montreal as a (very) last minute fill in for David Steinberg who could not make it in due to weather conditions in the US.



Our second speaker was Gayle Fortin who presented on how 2018 will be a significant year for anyone affected by Prop 65 including the changes that will come into effect August 30th. Gayle discussed the coming changes, with a focus on Betaines and Hydroxysultaines. Gayle’s presentation can be downloaded here <http://www.ontarioscc.org/index.htm/files/SCCProp%2065March2018.pdf>

Finally, to round out the day Teena Warrin enlightened the group on Canadian regulations. Her presentation covered the new and existing regulatory challenges facing our industry. Topics included; GHS Implementation, Cost Recovery Proposal for Drug Establishment Licensing, Health Canada’s Self Care Products Framework, CEPA Review as well as In Commerce List Prioritization. Teena’s presenta-

tion can be downloaded here <http://www.ontarioscc.org/index.htm/files/SCCSpringRegUpdate2018.pdf>



A sincere thanks go out to the presenters and those who attended!

Seneca

Seneca College has developed a full time, one year, day time post graduate certificate in Cosmetic Science. We are currently seeking industry experts in the areas of raw materials, formulation and cosmetic regulations to develop curriculum and/or provide instruction. Ideal candidates will have excellent English skills and current expertise in the cosmetic industry. If you are interested, please forward your resume and contact information to;

paola.battiston@senecacollege.ca



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



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NEWSLETTER POSTING DATES FOR 2018

Here are the dates for 2018 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- ◆ January 18th
- ◆ February 22nd
- ◆ May 3rd
- ◆ August 21st
- ◆ October 11th



(or as close as we can get)

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

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



Presenters Welcome!!!



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

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

bhalasz39@gmail.com

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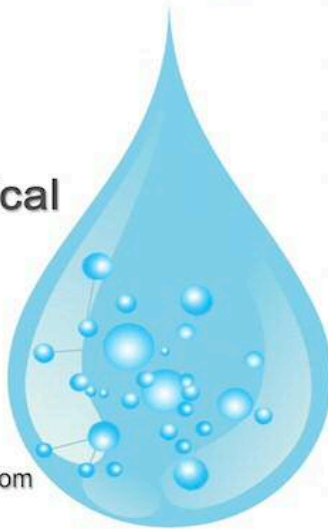
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Did You Know?

The McGill Office for Science & Society (OSS)

Alcohol in mouthwashes doesn't actually kill bacteria

It's common knowledge that alcohol can kill bacteria (it's commonly used as a disinfectant), so it makes sense that the alcohol in mouthwashes is added specifically to kill the bacteria that give you bad breath.

Actually, the concentration used is too low to kill microorganisms. Even Crest, which sells mouthwashes, admits as much on its website! It all has to do with concentration. Beers are 3-8% alcohol; wines are 7-18%; while spirits are 30% or greater. The disinfecting alcohol you buy at the drugstore is 70-99% alcohol. By comparison, mouthwashes have concentrations of alcohol up to 25%, which fall short of an antiseptic effect. Not only that, but alcohol can actually make bad breath worse! That's because it dries your mouth, which may actually provide a cozier environment for the bacteria that foul your breath. Alcohol in mouthwash is used as a carrier agent for ingredients like menthol as well as a preservative, not to kill bacteria. Using mouthwash will mask bad odour but will not get rid of the bacteria producing it.

If you want a mouthwash that is effective at reducing your risk of cavities (now known as "caries") and gingivitis (gum inflammation), you may want to look at a "therapeutic mouthwash" to complement your dental hygiene routine. These mouthwashes contain an active ingredient like cetylpyridinium chloride, menthol or fluoride



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The SCC Ontario Chapter's Newsletter

August 2018

Volume LXXXIV

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SCC ONTARIO EDUCATION DAY
FREE for Members
"Lipid Academy"
—Benjamin Schwartz

TUESDAY SEPTEMBER 18th, 2018

PRE-REGISTER TO SAVE MONEY

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

Please note:

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

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

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SCC ONTARIO EDUCATION DAY

“Lipid Academy”

—Benjamin Schwartz

TUESDAY SEPTEMBER 18th, 2018

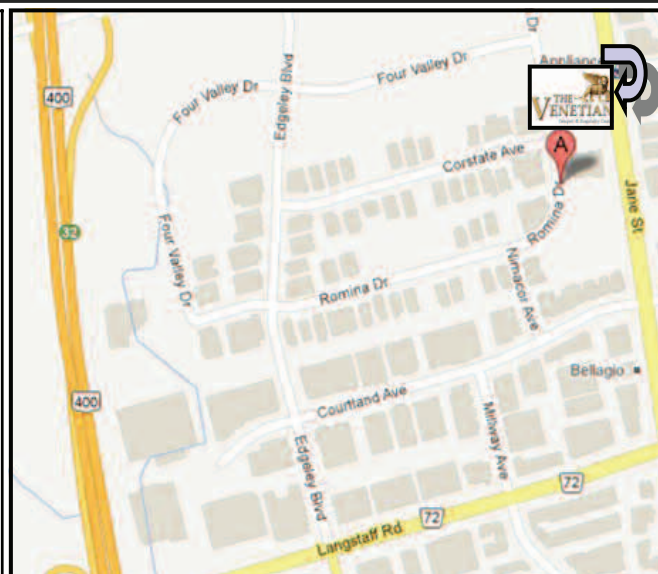
Location: The Venetian Banquet & Hospitality Centre
219 Romina Drive,
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(tel: 905-264-9960)

Fees: SCC Members—FREE
(Pre-Registered)

Non-Members \$100
(Pre-Registered)

Students \$30
(pre-Registered)

Schedule 9-9:30am— Registration
Noon— Lunch (provided)
4:30pm— Adjourned



LIPID ACADEMY AGENDA

9:00 am Registration

9:30 am Introduction

- What are lipids? Basic lipid chemistry and lipid raw materials

PART I.

- Sustainable processing of vegetable oils
- Oxidation and hydrolysis – factors influencing the shelf life of formulation
- Shea Butter- the essential and versatile raw material for skin care

PART II.

- Consistency and skin feel – crystallization and rheology concepts
- Effects of emollient selection on the sensory properties in skin care
- Technologies for rinse off applications

Please note:

- Lunch will be served from noon to 1pm.
- Morning and afternoon breaks included where necessary

Abstract:

LIPID ACADEMY – bringing lipid knowledge to the personal care industry.

Over the years AAK has accumulated extensive knowledge regarding the chemistry and properties of lipids, their modification and application, as well as the needs of customers in various market segments. For customers in the cosmetics and personal care industry, typical areas where improved understanding of lipids and lipid technology are in constant demand included lipid chemistry, crystallisation, optimizing shelf life of vegetable based ingredients and eco-design.

LIPID ACADEMY courses are built around some of the most important topics related to the development of safe and sustainable personal care products, including:

- Skin health • Lipids – essential skin nutrients • Vegetable derived, renewable sources • Sustainable processing • Shelf life optimisation • Optimal emollient blend for skin care • Creating texture by combining waxes and emollients • Consistency and skin feel • Crystallisation and rheology • Lipid based emulsifiers

Bio:

Graduating with a Bachelor's Degree in Biological Sciences, Benjamin Schwartz began his career in Personal Care as a lab technician for The Estee Lauder Companies. After a move to the west coast, he spent 12 years as an R&D Chemist, and then Manager, for contract manufacturer Columbia Cosmetics. Through this experience he has gained an intimate knowledge of personal care chemistry and formulations. Now having joined AAK, a global vegetable oil manufacturer, he brings this knowledge and insight to the world of plant-based lipids and their applications for per-

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18th Annual SCC Ontario Chapter Golf Tournament



The weather Gods gave us a little of everything this year with plenty of sun, a bit of rain and even some hail, but luckily only for a short while and certainly not long enough to

dampen the enthusiasm of all in attendance! On July 26th, our 18th annual SCC Ontario Chapter Golf Tournament was again held at **Caledon Woods Golf Club** north of Bolton! As a "Club Link" course our SCC members were well taken care of by the staff. We had a wonderful turnout with 80 golfers and a total of 101 attendees which included dinner guests!

To all the golfers who attended, thank you for your participation!

Esteemed winners were as follows:

First Lowest Score: Walter Schlichtig, Alfred Loh, Joe Oroflama

Second Lowest Score:

Chuck Wojtas, Dag Enhorning, Dean Swift, Rob Quinlan

We also held five skills competitions. The most skillful of our group were:

Longest Drive Ladies: Lise Campeau

Longest Drive Men: Kyle Pellarin

Closest to the Pin Men: Moh Chizari

Closest to the Pin Ladies: Jane Pinda Ele'

Closest to the Line Men & Ladies: Isabelle Ouellet

No matter how large or small the event, there is always a lot of work that goes into it and this golf tournament is no exception.

A special thank you goes out to **Gagan Jain** and **Craig Broijer** for their time and effort in organizing this grand event. Next year's plans are already in the works!

Many thanks to our friend **Kashif Mazhar** who took a great series of pictures at the event which can be viewed at;

<http://www.ontarioscc.org/2018golf/flipgolf2018/#p=1>

A special THANK YOU to our valued contributors...

Support of this event was overwhelming, and thanks to the generosity of our suppliers and manufacturers almost every golfer finished the day with a prize.

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JOB SEARCH

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Job Responsibilities:

- Manufacturing all sorts of products but not limited to aqueous based products, O/W, W/O, anhydrous products
- Verifying the manufacturing batching sheets
- Moving, lifting, and weighing the raw materials from time to time
- Operating Semi automatic to fully automatic kettles for batching
- Coordinating with the R&D team to make sure the finished product matches the standard
- Responsible for emptying the batches into drums and Totes
- Organizing and counting the Chemical inventory
- Coordinating with co-compounders and helping with few administrative work in the compounding area

Skills and Experience:

- 1-2 years experience in Cosmetic or Pharmaceutical manufacturing sites
- Chemistry or relevant background
- Ability to color match
- Good oral and written communication skills
- Mechanical aptitude required
- Math skills required for the accurate checking and weighing of ingredients.

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Deciem is also looking for a regulatory affairs professional - PERMANENT POSITION to help support a dynamic and growing company. The role will be responsible for providing regulatory guidance to the product development team, for the registration of new or reformulated products with regulatory authorities, review, and approval of product labeling and claims, the management of existing regulatory programs, and providing general

Experience:	3 to 5 years
Qualifications:	In-depth knowledge and understanding of cosmetic and personal care product regulations, experience working within EU, US, and Canadian regulations
	In-depth knowledge and understanding of labeling and marketing claims regulations for cosmetics
	Understanding of supplement regulations in the EU, US, and Canada
	Understanding of OTC regulations in the EU, US, and Canada
	Experience communicating directly with regulatory bodies
	Experienced in the preparation and shepherding of submissions to regulatory bodies
Education:	Science background preferred but not necessary, someone with toxicology credentials would be ideal
Personal:	Adaptive
	Ability to multi-task and keep track of numerous projects
	Excellent communication skills
Bonus:	Understanding and/or experience in any of the following: <ul style="list-style-type: none"> • WHMIS • TDG • CEPA/TSCA/AICS • REACH

support to all aspect of the business.

Still Interested to be a part of the DECIEM family? ...What happens next?

Kindly send us your resume. We really appreciate your effort in applying for this position. However, only those candidates will be contacted who have been shortlisted for interview.

DECIEM is an equal opportunity employer. We prohibit discrimination based on age, color, disability, national origin, race, religion, sex, sexual orientation, and any other legally protected class in accordance with applicable federal, provincial and local laws. We are also committed to creating and maintaining an inclusive and accessible workplace. If you are contacted for an interview and require accommodation during the interviewing process, please let us know.

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May 31st SCC Ontario Chapter Meeting Recap

On Thursday May 31st the Ontario Chapter was pleased to host Mintel's Global Beauty & Personal Care Analyst, Lauren Goodsitt. The presentation was of great interest to all and went into great detail discussing the four major trends set to impact the global beauty and personal care



industry next year and into the future. The full presentation can be downloaded here

<http://ontarioscc.org/pdfs/mintelmay2018.pdf>



As well we were happy to have in attendance some of the winning teams from the Seneca Cosmetic Science students Capstone Project. Students recently completed their program and participated in the Capstone Project in their final term. Small teams were tasked with developing a new cosmetic product and presenting to a panel of judges at Seneca. The teams also presented their final products to



HISTORY OF OUR SOCIETY

Building a community and expanding knowledge for nearly 70 years.

1945

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

developments in cosmetic research and technology. Our leadership includes a long list of [past SCC Presidents](#) who have served the organization well over the years.



SCC Founding Father,
Maison G. de Navarre

1948

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

1999

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



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2019 SCC Ontario Chapter Board Elections

It is time for the election of the 2019 SCC Ontario Chapter Board Members. We have two positions open for election this year: Chair-Elect and Secretary.

As a member of the SCC Ontario Chapter you will soon be sent specific instructions on how to cast your 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 8th, 2018 meeting. Thank you for taking time to vote. Your support of the SCC Ontario Chapter is greatly appreciated.

2018 SCC Ontario Chapter Board Members

Position	Name	Phone	Email
Chair	Elizabeth Peitsis	416-427-5356	elizabeth.peitsis@azelisamericas.ca
Chair-Elect	Dorothy Maraprossians	905-595-5346	dorothy.maraprossians@azelisamericas.ca
Treasurer	Robert Castillo	416-740-5300	rob.castillo@univarcanada.com
Secretary	Andrea Boylan	905-795-0911	andrea.boylan@andicor.com

2019 Ontario Chapter Candidates

CHAIR ELECT

Candidate: Lisa Fryer

Lisa holds an Honours Bachelor of Science Degree from the University of Toronto which she obtained in 2000. She has since worked in various industries within the Canadian manufacturing and distribution markets until 2016 when she entered the cosmetics industry. Lisa is currently Sales Manager, Personal Care and Pharmaceuticals at Brenntag Canada and is responsible for both the Ontario and Quebec regions. Lisa has been an active board member of the SCC Ontario chapter for the past 2 years assisting in various events.

TREASURER

Candidate: Robert Castillo

Robert Castillo is currently a Sales Manager at Univar Canada looking after The Personal Care & Pharmaceutical Industries. Prior to this Rob was an Account Manager calling on the Personal Care Industry for over 10 years and still has some direct sales & Product Management responsibilities. 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.

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SCC Membership Dues Renewal

Renewal notices for 2019 were mailed out recently. Final notices will be sent at the end of November. Dues fees are US\$150.00.

Please note you can now renew ON-LINE! Go to www.SCCOnline.org and follow the links.

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

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wrinkly, usually in direct proportion to the amount of time spent in the sun. "Photoaging" is the direct cause of many a fine wrinkle. Can we do anything about these tell tale signs of advancing age? Well maybe there is something to be learned from Cleopatra, from French aristocrats and Polynesian women.

Cleopatra used to bathe, so the legend goes, in donkey's milk. This may not have been as nonsensical as it sounds, providing the milk was sour. Spoiled milk contains lactic acid, a substance which according to recent research may actually erase some wrinkles. Lactic acid is part of a family of compounds called alpha hydroxy acids which can peel away the top layers of the skin, exposing the fresh, younger skin below. Tartaric acid found in wine serves the same purpose, thereby perhaps explaining 18th century French courtisans penchant for bathing in Chablis. Sugar cane also contains an alpha hydroxy acid called glycolic acid. Could this then be the reason for the age old Polynesian practice of rubbing the skin with sugar cane?

Alpha hydroxy acids (AHA) have already been incorporated into commercial creams. NeoStrata, for example, contains 8% glycolic acid. A number of people have reported success in erasing fine wrinkles with this product after a few months of daily treatment. Alpha hydroxy acids are non-toxic and furthermore, do not sensitize the skin to sunlight like Retin-A, the other effective wrinkle removing product. There are suggestions that alpha hydroxy acids actually work best in combination with Retin-A.

The latest alpha hydroxy acid to be tested is ammonium lactate which is already available as Lac-Hydrin. Double blind studies have shown this product to be effective against photodamage wrinkles in as little as a month. The effect though lasts only as long as the product is being used. Nevertheless, it may be worth while to ask your dermatologist about the use of alpha hydroxy acids. Then ask him or her what the molecular structure of an alpha hydroxy acid looks like. See if they remember their or-



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NEWSLETTER POSTING DATES FOR 2018

Here are the dates for 2018 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- ♦ January 18th
- ♦ February 22nd
- ♦ May 3rd
- ♦ August 21st
- ♦ October 11th



(or as close as we can get)

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

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



Presenters Welcome!!!



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

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

bhalasz39@gmail.com

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Value In Every Drop

Did You Know?

It's not the smoke
from a joint that
makes your eyes
red

The familiar red and glassy-eyed stare of someone who's high was thought to be due to the irritation of eyes by pot smoke. Now we know that weed makes your eyes red for the same reason it makes you dizzy- vasodilation.

Marijuana's has a lot of active ingredients. Tetrahydrocannabinol (THC) is only one of the many (>113) cannabinoids present in cannabis. These compounds interact with cannabinoid receptors, which are part of the endocannabinoid system. They're found throughout your body, notably, in your eyes.

Cannabinoids bind to cannabinoid receptors and induce the dilation, or widening, of the blood vessels. This increases the blood flow to these areas, and causes an overall decrease in blood pressure. The increased blood flow to your eyeball causes the red appearance, and the lowered blood pressure causes the dizziness.

You can test it yourself, by consuming marijuana through a non-smoked method, and looking for reddening of your eyes. Though I wouldn't recommend experimenting in Canada before October



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UPCOMING EVENTS

September 18th, 2018 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— “AAK Lipid Academy” - Benjamin Schwartz
November 8th, 2018 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
November 30th, 2018 The Venetian, Vaughan ON	Holiday Dinner Dance
February 7th, 2019 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
March 21st, 2019 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
May 30th, 2019 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
September 19th, 2019 The Venetian, Vaughan ON	SCC Ontario Education Day
November 7th, 2019 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
November 29th, 2019 The Venetian, Vaughan ON	Holiday Dinner Dance

ONTARIO CHAPTER SCHOLARSHIP PROGRAM SOCIETY FOR COSMETIC CHEMISTS



awards.

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 the University of Toronto, University of Waterloo, University of Guelph and McMaster University. The program began in 2003 and 14 students have received

Interested students are invited to submit a brief one page outline to Dennis Zuccolin, Director of Scholarships at dzucoli@maccosmetics.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.

Successful candidates are encouraged to attend SCC meetings, volunteer at events, collaborate with members of the Society, prepare a poster presentation, write an article for the newsletter and make a brief 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 \$150 US. Applications are available from your Executive Committee or on-line at;

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

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



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The SCC Ontario Chapter's Newsletter

October 2018

Volume LXXXV

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SCC Ontario Chapter Meeting

*"NRC Stimulates Wealth Creation
Through Innovation"*

- Neil Kochar

"Organic Cosmetics"

- Shahin Kalantari

THURSDAY NOVEMBER 8th, 2018

PRE-REGISTER TO SAVE MONEY

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

Please note:

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

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

rob.castillo@univarcana.com

or by fax at (416) 740-2227 OR on-line at:

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

SCC Ontario Chapter Meeting

"NRC Stimulates Wealth Creation Through Innovation" -Neil Kochar

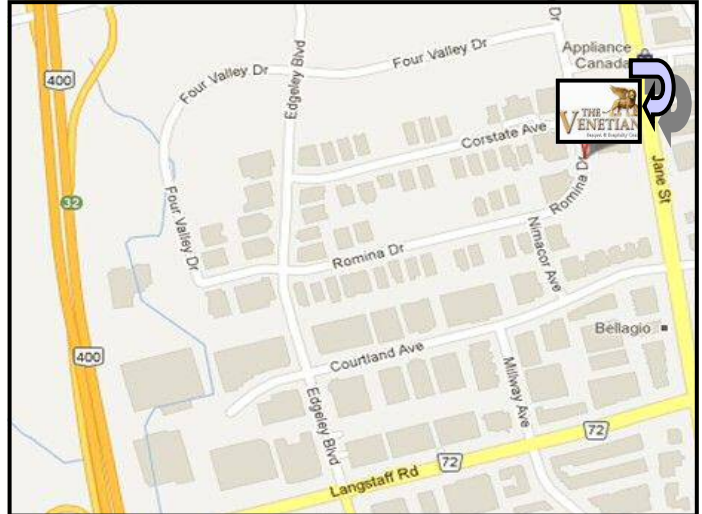
"Organic Cosmetics" -Shahin Kalantari

THURSDAY NOVEMBER 8th, 2018

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

Time: 5:00 p.m. Cocktails
6:00 p.m. Dinner
7:00 p.m. Presentation
8:00 p.m. Adjournment

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



Abstract :

Established in 1962, IRAP is an NRC program aimed at providing innovation assistance to Canadian small and medium sized enterprises (SMEs). The mandate of IRAP is to "stimulate wealth creation for Canada through innovation," and its mission is to "accelerate the growth of SMEs by providing them with a comprehensive suite of innovation services and funding." We try to create a whole ecosystem of public and private enterprise comprising of SMEs, startups, academics and our international partners with similar goals"

Bio:

Neil Kochar
Industrial Technology Advisor (NRC-IRAP)
National Research Council of Canada.

Neil Kochar is an Industrial Technology Advisor at of the National Research Council of Canada's Industrial Research Assistance Program (NRC IRAP). He joined NRC in 2004.

Prior to joining IRAP, Neil had an extensive (30+ years) senior level technology and business development experience in the private and the public sector. His prior work experience includes corporations such as TMX Group (Toronto Stock Exchange), Nortel Networks, Honeywell Aerospace and CAE Electronics. He has also held several technical consulting and project management roles with Canadian Federal Government Agencies such as Government Telecom Informatics Service (GTIS), PWGSC and Transport Canada.

Earlier in his career with Communications Canada, Neil worked on a pioneering project with a consortium of The Internet Engineering Task Force (IETF) and National Research Council for the introduction and launch of the Internet (CA*net) service for the *first time* in Canada. Neil's extensive background in ICT/Internetworking is complimented by strong international collaboration through innovation activities covering several regions of North America and other global partner countries.

His current role, in addition to helping Canadian SMEs grow through technical innovations, Neil is NRC-IRAP's India lead for the Canadian International Innovation Program (CIIP). He is actively engaged in an ecosystem of Canadian companies, MNEs, academia and International Partners to enhance productivity and competitiveness for Canadian SMEs while promoting interests of Canada in the global marketplace. Neil holds an Electrical Engineering degree from Dalhousie University (formerly known as The Technical University of Nova Scotia).

Abstract:

Organic Cosmetics

What are certified organic cosmetics? How can we upgrade our knowledge to develop organically regulated cosmetic and toiletry products.

Consumer concerns about “chemicals” in cosmetics & toiletries in recent years has led the industry to develop organic and natural certified organic products. Different regulations have been adopted in North America, Europe and worldwide to fit this purpose. Formulation of these products and supply of organic ingredients, along with processing challenges are of concern for the whole industry. Due to this demand, organic farming is growing every year, which will supply the food and organically processed ingredients for Cosmetic industry. The “Organic market” has been developing since around 2000, and is still growing day to day.

As this important market further develops, it is more important than ever that the Cosmetic formulators upgrade their knowledge in this area in order to work more effectively in this field.

Bio:

Shahin Kalantari is devoting his chemical expertise in the Cosmetic Industry to develop Natural and Organic personal care products. In 2007, he has introduced one of the first certified organic product line, in North America.

Shahin has hands on developing products/ brands of Natural and Organic Skincare, Personal Care, Sun Care, Cosmetic Products, Medicinal (NPN) and Household Products; following regulations such as USDA, or Ecocert/Cosmo, and conventional products. Meanwhile, he develops QC processes in manufacturing plants to meet the product requirement.

Shahin is a board member of The Society of Cosmetic Chemists and previous chair of SCC Ontario Chapter. He is a professor at Seneca College who teaches formulation labs in the cosmetic chemistry program.



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HOLIDAY DINNER DANCE

On November 30th, 2018, the SCC Ontario Chapter will be holding its 22nd Annual Holiday Dinner Dance at The Venetian Banquet & Hospitality Centre, 219 Romina Drive, City of Vaughan, ON, L4K 4V3 (tel: 905-264-9960)

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 at 10:30 p.m.

Our **“Toy Mountain”** toy drive is back this year after another HUGE success last year. See details on page 8!

Also back by popular demand the music and entertainment of “Matt Dean Productions”!!! www.mattdean.com

The price is \$100 per person*. Corporate tables of 8 at \$800 or 10 at \$1000 are available. Single table of eight minimum. (*Late registration fee applies this year. See page 7)

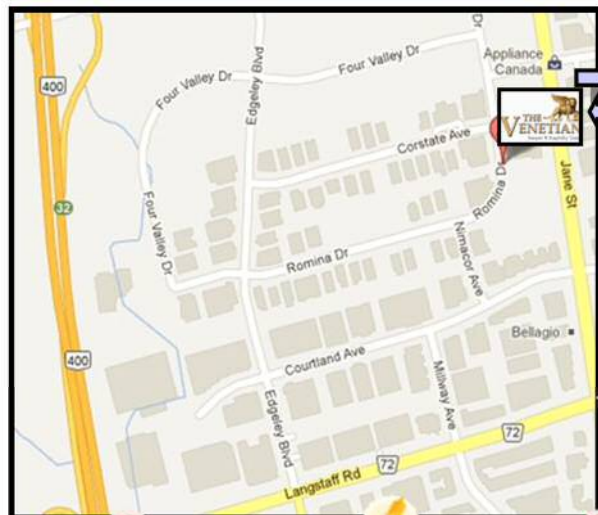
Please RSVP to **Dorothy Maraprossians** by email dorothy.maraprossians@azelisamericas.ca or call 905-601-8766 by November 15th.

Our Holiday Dinner Dance is always a huge success as it gives us all the opportunity to gather together for an informal evening. Mark your calendars now and R.S.V.P. soon.

PLEASE NOTE...this is a first come first serve event!
Attendance has grown each year and space is limited so please book your tables soon!

MENU

Venetian Antipasto Station
Cream of Leek & Potato Soup
Cucumber Wrapped Salad
Risotto with Asparagus
Veal Italiana & Scallop & Shrimp
Embrace Vegetable
Garden Vegetable Medley
Twice Baked Potato
Wafer Cup Delight - Scoop of Vanilla Ice Cream topped with fresh cut Strawberries and Kiwi





Ontario Chapter



Holiday Dinner Dance

R.S.V.P.

Friday, November 30th, 2018

*Please reply to Dorothy Maraprossians at 905-601-8766
or email dorothy.maraprossians@azelisamericas.ca
by November 16th, 2018. I/We will be attending,*

Name: _____

Number of Persons: _____

_____ table (s) of 8 at \$800 per table*

OR

_____ table (s) of 10 at \$1000 per table*

_____ number vegetarian meals required

Total amount enclosed: \$ _____

Limited Space
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November 4th
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**Please make cheque payable to: "SCC Ontario Chapter".
Mail to: 64 Arrow Rd. Weston ON, M9M 2L9**

If confirmation is not received by November 16th, 2018, please contact **Dorothy Maraprossians** at 905-601-8766

Please forward confirmation to:

Name: _____

Company: _____

Address: _____

Email: _____

Phone: _____



**Helping to Build
Toy Mountain to
Greater Heights**



Giving
Hope
Today



*Holiday Dinner Dance
Friday, November 30, 2018
Attention Party Goers*

In anticipation of the upcoming Season, the Ontario Chapter of the Society of Cosmetic Chemists is excited to assist local disadvantaged children and teens have a happier Holiday Season.

We would like to encourage all who are intending to join us at the upcoming Holiday Dinner Dance to bring a new and unwrapped toy of a \$10.00 minimum value to the event.

The toys will be donated to "Toy Mountain", which has been spreading holiday cheer to children for 23 years! A raffle ticket will be provided to all who donate, which will enter you into a draw for our "Grand Cash Prize"!

Happy Holidays to All from the SCC Ontario Chapter Board Members.



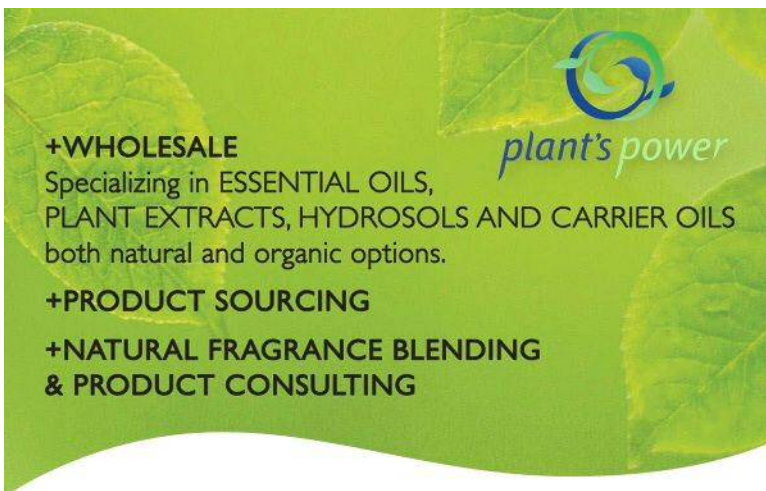



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AAK LIPID ACADEMY

This years SCC Ontario Education Day was held on Tuesday September 18th at the Venetian Banquet Hall in Vaughan Ontario. We had an excellent turnout as Benjamin Schwartz of AAK presented their **LIPID ACADEMY**. The objective of the Lipid Academy is to bring lipid knowledge to the personal care industry.



Over many years AAK has accumulated extensive knowledge regarding the chemistry and properties of lipids, their modification and application, as well as the needs of customers in various market segments. For customers in the cosmetics and personal care industry, typical areas where improved understanding of lipids and lipid technology are in constant demand included lipid chemistry,

crystallization, optimizing shelf life of vegetable based ingredients and eco-design.



LIPID ACADEMY courses are built around some of the most important topics related to the development of safe and sustainable personal care products, including:

◇ Skin health • Lipids – essential skin nutrients • Vegetable derived, renewable sources • Sustainable processing • Shelf life optimization • Optimal emollient blend for skin care • Creating texture by combining waxes and emollients • Consistency and skin feel • Crystallization and rheology • Lipid based emulsifiers

Download the 5 presentations here <http://www.ontarioscc.org/presentations.htm>

HISTORY OF OUR SOCIETY

Building a community and expanding knowledge for nearly 70 years.

1945

Comprised of over 4,000 members, the Society of Cosmetic Chemists was founded in 1945 to promote high standards of practice in the cosmetic sciences. We serve as a focus and provide the proper forums for the exchange of ideas and new developments in cosmetic research and technology. Our leadership includes a long list of [past SCC Presidents](#) who have served the organization well over the years.



1948

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

1999

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

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Odour Removal

Odour is big business. Both producing it and eliminating it. While perfume and toiletry companies battle to churn out novel fragrances to entertain our olfactory receptors, the huge odour control industry strives to protect us from the assault of nasty scents. This is actually a greater challenge. In the perfume trade you can get away with some inventive advertising and fanciful claims, but when it comes to eliminating odours, well, it isn't hard to tell if a product works or not.



Bad smells are not rare. Pet urine, garbage, manure, sewage, mildew, sweat and the toilet bowl all waft undesirable fragrances into the air. How do you get rid of them? There are several options. The odour can be masked by a more powerful one, which is essentially what floral scented air fresheners do. Or the smelly molecules can be removed from the air. Air purifiers pass the air through activated carbon filters which can bind smelly compounds. Zeolites (aluminosilicate minerals) have an amazing ability of adsorbing molecules to their surface and are available in various formats.

Chemical reactions can also be used. Fish odour on the hands is due to chemicals called amines. But if reacted with citric acid in lemon juice, they form salts that do not become airborne. Washing hands with lemon juice therefore eliminates fishy aromas. Many undesirable smells, such as that of spoiled food, are due to organic acids, and can be neutralized by baking soda. Fragrant molecules in the air can also be destroyed by means of a chemical reaction. Ozone generators produce ozone gas which can destroy smelly compounds in the air. The smell of smoke after a fire yields to ozone. Certain enzymes produced by bacteria can also chew up foul compounds. Most pet odour eliminators are bacterial concoctions.

Molecules can also be removed from the air by interacting with other volatile substances in such a way that the resulting complex is no longer volatile. Cyclodextrin, the active ingredient in products like Febreze, is a large molecule made of glucose units joined in a ring. Malodorous compounds are entrapped in the ring, and the cyclodextrin-smelly molecule complex, because of the extra mass, now settles out of the air. Some essential oils from plants can also interact with volatile compounds in this fashion and many smell "neutralizers" are based on this principle.

But there is more to essential oils. Some can bind to receptors in our nose without triggering any action, and in the process block other molecules from interacting with the receptor. Sort of like the wrong key fitting a lock without being able to unlock it, but preventing the right key from being inserted.

Continued on pg 21

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INDUSTRY NEWS

L.V. Lomas renamed IMCD Canada Limited and IMCD US Food Inc.

ROTTERDAM, The Netherlands (3 September, 2018) – IMCD N.V. announces that effective 1st September 2018, L.V. Lomas Limited (Canada) was renamed IMCD Canada Limited and L.V. Lomas Inc. (USA) was renamed IMCD US Food Inc. L.V. Lomas was acquired in August 2017 and has been successfully integrated into IMCD.

Established in 1960, IMCD Canada (formerly L.V. Lomas) has offices in Toronto (Head Office), Montreal and Vancouver and is one of North America's leading distributors of specialty chemicals, ingredients and raw materials. IMCD Canada is distinguished by its experienced and qualified professionals that provide its customers with advanced technical support and market intelligence.

Marcus Jordan, President, IMCD Holdings US, comments: "L.V. Lomas has proven to be an excellent fit with IMCD's core values and business model, allowing for a smooth and successful integration. IMCD is committed to upholding the excellent reputation L.V. Lomas has established in the market, with a continual focus on technical expertise, delivering innovative solutions and creating value in all our customer and supplier partnerships. Utilizing the combined knowledge and long-standing experience of both companies, IMCD looks forward to further developing the business and establishing new opportunities for growth in Canada and the US."

About IMCD N.V. *IMCD is a market-leader in the sales, marketing and distribution of speciality chemicals and food ingredients. Its result-driven professionals provide market-focused solutions to suppliers and customers across EMEA, Asia-Pacific and Americas, offering a range of comprehensive product portfolios, including innovative formulations that embrace industry trends.*

Listed at Euronext, Amsterdam (IMCD), IMCD realised revenues of € 1,907 million in 2017 with more than 2,200 employees in over 45 countries on 6 continents. IMCD's dedicated team of technical and commercial experts work in close partnership to tailor best in class solutions and provide value through expertise for around 37,000 customers and a diverse range of world class suppliers.

To find out more about IMCD, please visit www.imcdgroup.com.



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JOB SEARCH

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The position requires understanding and experience within the industry, with a minimum of 2 years working in personal care. Familiarity in process, surfactants, emulsions, formulating, batching, testing and related paperwork. Must be experienced enough to establish protocols and procedures in our upcoming GMP environment.

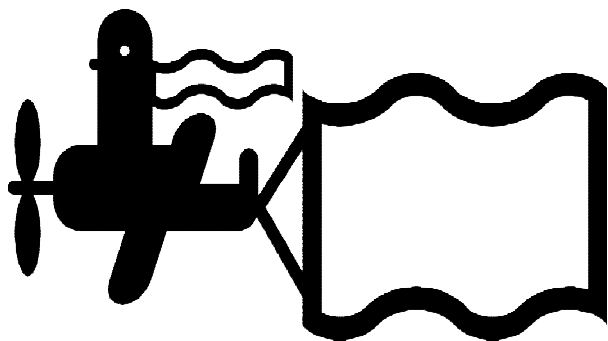
This is a Monday to Friday day shift position which involves working with compounders and the lab. There are no colour cosmetics, just personal care items like lotion, creams, hair and face care.

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Address Changes??

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

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SCC Membership Dues Renewal

Renewal notices for 2019 were mailed out recently. Final notices will be sent at the end of November. Dues fees are US\$150.00.

Please note you can now renew **ON-LINE!** Go to www.SCCOnline.org and follow the links.

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

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Did You Know?

Lip balms are not designed to repair your skin. Instead, their emollient properties create a barrier between your thin, vulnerable lips and the surrounding air. Skin becomes dry when water in its upper epidermal layers evaporates; this is enhanced when the air is particularly dry as on a cold day. Since the skin on our lips is four times thinner than elsewhere and lacks protective sweat and oil glands, it is more vulnerable to moisture loss than anywhere else.

To counteract moisture evaporation, lip balms use fatty substances to form a temporary protective wall. Commonly, petroleum jelly or petrolatum is used, but beeswax and shea butter can also create a barrier which prevents water from evaporating into the surrounding dry air. However, it doesn't take long for this barrier to break down, especially because we are constantly eating and licking our lips.

So if you really want to keep your lips silky soft, it's best to apply lip balm after you get out of the shower to lock in extra moisture. The more protection, the better: after all, it's not like you can become addicted.

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Continued from pg 12

There has been a great deal of research trying to find specific essential oils to block specific smells, with some success. Unfortunately the information is proprietary and companies will not reveal exactly what oils they use, but the results can be effective in controlling bad smells emanating from pig manure, landfills and sewage treatment plants.

Sometimes odour control products and perfumes can work hand in hand. The Harvey Prince Company, a New York based perfume manufacturer, claims to have come up with just such a happy union in “Ageless Fantasy,” a perfume having the “smell of youth.” I bet you sniff a scam coming up. But maybe not. At least, not a total scam. The whole idea is based on the notion that as we age our body chemistry changes, and we produce novel compounds.

Japanese researcher, Shinichiro Haze analyzed the scents emanating from shirts worn for three days by subjects ranging in age from 26 to 75. One particular compound stood out. 2-Nonenal, with an odour described as greasy, grassy, “old book,” or “old person” was more prominent in the elderly. Subsequent research revealed that it was the product of bacterial action on vaccenic and palmitoleic acids, both of which are found in sweat and increase with age.

Armed with this knowledge, Harvey Prince developed “Ageless Fantasy” with hopes of neutralizing the scent of 2-nonenal. Chemically destroying a scent is not in the realm of a perfume, however, masking one is. But the company wanted something more than just a masking smell. It wanted a youthful fragrance. Previous research had indicated that the scent of grapefruit was associated with youth. Could there be some mix of plant fragrances that both blocked 2-nonenal and optimized the youth effect? In an intriguing experiment women were anointed with different scents while a panel of men judged their age. The scents of apple, pink grapefruit, pomegranate, mango and pineapple consistently made the men underestimate the age of the wearer. Floral fragrances like jasmine and cherry blossom triggered happy emotions. Feelings of youth and excitement were attributed to musk and vanilla.

So Harvey Prince blended all these, plus more, in Ageless Fantasy and sprinkled it on women. Men were then invited for a sniff test. And the results, we’re told, were quite exciting. The testers judged the women wearing Ageless Fantasy to be eight years younger than their chronological age.

I’m not sure what we can make of all this, because the research hasn’t been published. Did they test to see if the scent of pure 2-nonenal was masked? Did they use controls? Did they determine how the men guessed ages in the absence of a perfume? Maybe men are polite when asked to judge a lady’s age. Or maybe any perfume would provoke similar results. Who knows? But for \$120, you can try your own experiment. Let’s face it, getting older stinks. While a perfume can’t turn back the clock, it may trick others into believing that you had a dip in the fountain of youth.

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NEWSLETTER POSTING DATES FOR 2018

Here are the dates for 2018 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- ♦ January 18th
- ♦ February 22nd
- ♦ May 3rd
- ♦ August 21st
- ♦ October 11th



(or as close as we can get)

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

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



Presenters Welcome!!!



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

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

bhalasz39@gmail.com

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All fees will be due by December 31, 2018 and must be received in order to be included in our January 2019 issue.

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UPCOMING EVENTS

November 8th, 2018 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting - " <i>NRC stimulates wealth creation through innovation</i> " and " <i>Organic Cosmetics</i> "- Shahin Kalantari
November 30th, 2018 The Venetian, Vaughan ON	Holiday Dinner Dance
February 7th, 2019 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
March 21st, 2019 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
May 30th, 2019 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
July 25th, 2019 Caledon Woods Golf Club	19th Annual SCC Ontario Golf Tournament
September 19th, 2019 The Venetian, Vaughan ON	SCC Ontario Education Day
November 7th, 2019 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— TBA
November 29th, 2019 The Venetian, Vaughan ON	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 the University of Toronto, University of Waterloo, University of Guelph and McMaster University. The program began in 2003 and 14 students have received awards.

Interested students are invited to submit a brief one page outline to Dennis Zuccolin, Director of Scholarships at dzucoli@maccosmetics.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.

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

NORTHERN HIGHLIGHTS STAFF

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