



# NORTHERN HIGHLIGHTS

The SCC Ontario Chapter's Newsletter



August 2020

Volume XCIV

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## FREE ON-LINE EDUCATION DAY SEMINAR

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

**WEDNESDAY SEPTEMBER 23rd, 2020**

## PRE-REGISTER FOR THIS VIRTUAL EDUCATION DAY SEMINAR

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

**Click Here  
To Register**



# SCC ONTARIO EDUCATION DAY SEMINAR



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

**WEDNESDAY SEPTEMBER 23rd, 2020**

## SCC ONTARIO ON-LINE SEMINAR

**HOSTED BY “SCC Webinars”**

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

**Free for SCC members**

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



### Seminar Objectives

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

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

### Seminar Description

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

### Program Outline for Wednesday September 23rd

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

### Seminar Director Bios

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



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## SCC -About Our Organization

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

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

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



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



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

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

## Seneca 2020 Capstone Project Winners

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

We are pleased to announce the winners for 2020!

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

*Congratulations!* to all the 2020 winners!

# Did You Know?

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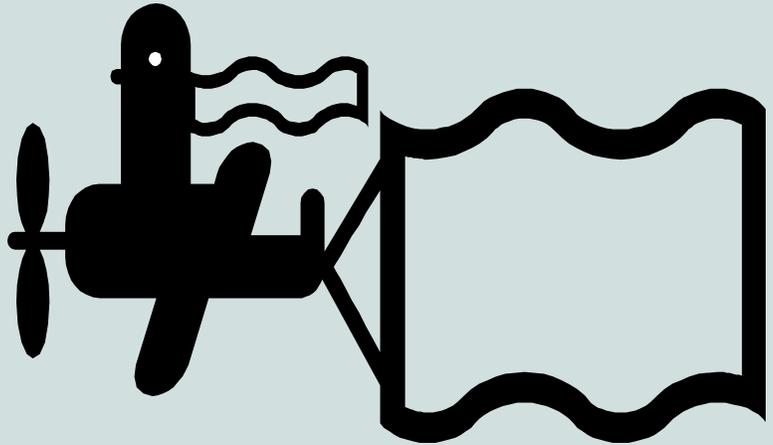
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## SURVEY SAYS...

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

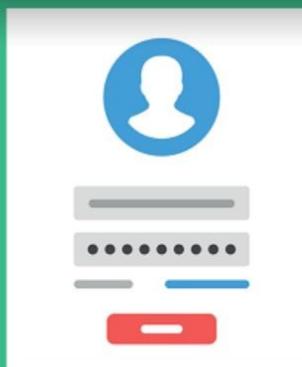
At the end of the year we will tally the results and present one of them with an award as “**Speaker of the Year**”.

## HAVE YOU ACTIVATED YOUR SCC PORTAL ACCOUNT?

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

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

**ACTIVATE NOW!**



## Activate Your SCC Portal Account

**NEWLY REDESIGNED PORTAL**

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

**ACTIVATE NOW**

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

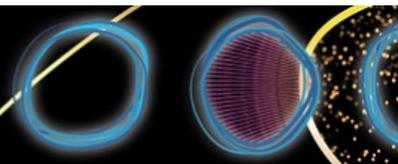


**SCIENTIFIC MEETING & SHOWCASE**

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## 2021 SCC Ontario Chapter Board Elections

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

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

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

### 2019 SCC Ontario Chapter Board Members

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

### 2021 Ontario Chapter Candidates

#### CHAIR ELECT

Candidate: Mary Seifi

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

#### TREASURER

Candidate: Robert Castillo

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

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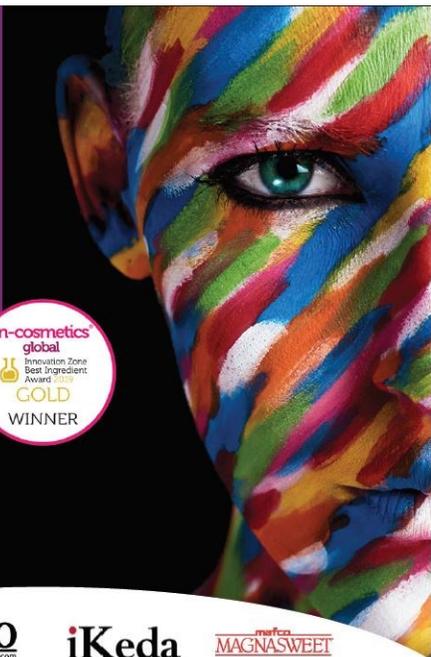


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## JOB OPPORTUNITY - FACULTY Professor, Cosmetic Science

**Competition #:** 1149

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

**Location:** Seneca@York Campus

**Position Type:** Full-Time

**Start Date:** August 24, 2020

### Position Summary:

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

### Program Area/Level:

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

### Qualifications:

#### Education

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

#### Experience

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

#### Skills

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

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

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

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

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



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## Scents and Sensibilities

*D*id You Know?

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

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

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

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

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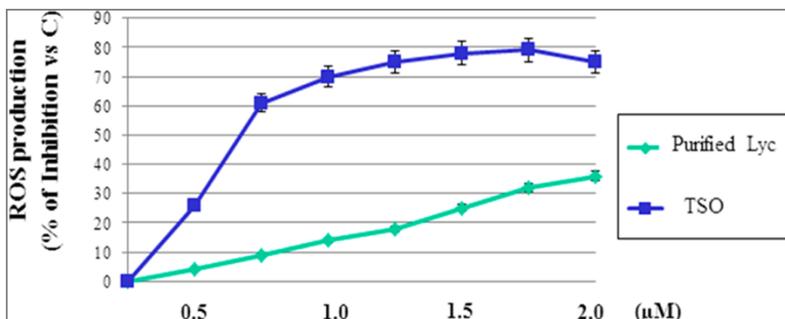
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## Phyto Complexes

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



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

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## Dues Renewal

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



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

## SCC ONTARIO EMAIL REGISTRATION

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

**Register Now!**

*Click Here*

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

## Programs and Privileges

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

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



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

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

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

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## NEWSLETTER POSTING DATES FOR 2020

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

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



(or as close as we can get)

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

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



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



## Presenters Welcome!!!



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

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

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



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## UPCOMING EVENTS

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



## ONTARIO CHAPTER SCHOLARSHIP PROGRAM SOCIETY FOR COSMETIC CHEMISTS

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

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

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

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

## NORTHERN HIGHLIGHTS STAFF

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## MEMBERSHIP

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

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

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

## Presentation Library

Peruse our wide selection of presentations from previous meetings

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

### ATTENTION MEMBERS

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

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

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



## Address Changes??

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