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FREE ON-LINE SCC CHAPTER MEETING

“A Retrospective and Update on the Emergence and Evolution of Hyaluronic Acid in Skin Care”

THURSDAY MAY 28TH, 2020

PRE-REGISTER FOR THIS VIRTUAL MEETING

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

Click Here To Register
Abstract:

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

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

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

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

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

Biography:

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

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

In 2014 Dr. Calloni became the Vice President of Bloomage Freda Biopharm USA, establishing their US office and sales structure. Dr. Calloni is author and co-author of over 20 articles and few patents from colloid chemistry to personal care/ cosmetic chemistry. An interesting fact about Dr. Calloni. Due to his expertise in colloid chemistry, from 1997-1999 he was honored and privileged to head the technical team restoring the façade of St. Peter Cathedral at the Vatican in Rome. Here he was an expert in Geo Radar analysis, Infra-Red analysis and colloid chemistry.
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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.scconline.org/website/about_scc/member_application.htm](http://www.scconline.org/website/about_scc/member_application.htm)
On March 19th the SCC Ontario Chapter held a full day regulatory seminar entitled, “The Use of Cannabis in Topical Products” which was offered FREE for members. As this is a new and ever evolving hot topic in the world of Personal Care the event was well attended with over 80 members.

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

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

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

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

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

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

Contact Vera at vera@plantpower.ca
Dear SCC Members,

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

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

The survey will only take 5 minutes.

Thank you in advance for your support.

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

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

Ivana Knezevic and the CSP Team

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

Seneca’s Cosmetic Science Graduate Certificate program, as the only program of its kind in Ontario, continually strives to improve its offerings to ensure that those that graduate from our program have the most relevant industry knowledge and experience. As times are changing as a result of the current pandemic we recognize that there will be shifts in the cosmetics industry. As such, we are reaching out to you, our supporters, and asking you to take the time to complete the enclosed Market Scan survey. The survey will only take 5 minutes of your time. If you could kindly take the time, between now and May 30th to complete the survey, we would appreciate your time and support. For additional details about the program or this survey, please contact program Chair, Paola Battiston @ paola.battiston@senecacollege.ca.
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Seneca College is pleased to announce the three recipients of the 2019/20 Society of Cosmetic Chemists Bursary and Scholarship Awards!

Society of Cosmetic Chemists Scholarships
Lataunya Forrest
Junghwa Yun

Society of Cosmetic Chemists Bursary
Orzala Ulhaq

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

"Thank you for providing a piece of good news for students in these difficult times. You are putting a smile on their faces and giving them hope, support, and motivation when it is needed the most.

Thank you from all of us at Seneca"

Katie Colvin Development Officer - Awards & Leadership Giving

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

**Award name:** Society of Cosmetic Chemists Award
**Student recipient:** Lataunya Forrest
**Program:** Cosmetic Science

Dear Donor,

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

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

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

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

Thank you,

Lataunya Forrest

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

**Award name:** Society of Cosmetic Chemists Award
**Student recipient:** Junghwa Yun
**Program:** Cosmetic Science

Dear Donor,

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

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

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

Sincerely,

Junghwa Yun

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

**Award name:** Society of Cosmetic Chemists Bursary
**Student recipient:** Orzala Ulhaq
**Program:** Advanced Biotechnology

Dear Donor,

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

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

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

Sincerely,

Orzala Ulhaq
Employment Opportunities

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

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

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

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

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

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

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

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

**I.F.S.C.C.** - The Society of Cosmetic Chemists is one of 42 member organizations within the International Federation of Societies of Cosmetic Chemists.
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Trees of Life – Sustainable Development and Biodiversity Protection

When today our industry is sourcing a natural ingredient it has to consider doing it within a sustainable development framework. Sustainable development considers the economy, social equity and the environment as its main pillars. Also called “triple bottom line”, those pillars remind us that business, society and the environment are connected, they influence each other, and should have the same value (1). The effect of a business on a community (society) and its natural environment is particularly evident in the development world where many of our “exotic” natural ingredients are coming from. The risk to source ingredients careless of a possible negative impact on the communities and their environment is present. The United Nations (UNCTAD) with its Biotrade Facilitation Program and more recently spin off organizations such as the Union of Ethical Biotr ade (UEBT) have advocated and implemented programs to protect the environment and its biodiversity (2). These organizations have helped initially to build supply chains with local producers working in a sustainable environment and eventually to connect with ingredient suppliers and finished product companies (both in the food and the cosmetic industry) committed to source ingredients sustainably. In Africa, organizations, producers and traders work with communities to sustain ingredient sourcing by preserving the biodiversity of the natural environment where the ingredient is coming from. Like the example of African trees (often call the trees of life) that are at risk of extinction due to increasing deforestation implemented by corporations in search of land to grow monocultures to feed an expanding worldwide population. Entire forests have been cut down with this objective. Some examples of trees that are at risk and that are currently saved by businesses integrating sustainable development follow.

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

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

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

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

References

3. https://www.seed.uno/

The author wish to thank Elisabeth Goyvaerts at Everpix for the cover picture (Marula forest, South Africa)
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Did You Know That Moon Dust Is Incredibly Toxic?

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

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

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

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

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

This isn’t totally unexpected. Earth dust can have similar effects, toxic or not. Volcanic ash has been known to cause bronchitis and emphysema when inhaled. But the degree to which lunar dust damaged cells was unexpected. The scientists were at times unable to measure the extent of DNA damage since it was completely destroyed.
Here are the dates for 2020 that the Northern Highlights Staff plan to post the 5 newsletters for the year:

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

(or as close as we can get)

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

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

Presenters Welcome!!!

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

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

bhalasz39@gmail.com
UPCOMING EVENTS

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<tr>
<td>April 6th, 2021</td>
<td>The Venetian, Vaughan ON</td>
<td>SCC Ontario Chapter Meeting—TBA</td>
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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. 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.
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.scconline.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.