NORTHERN



The SCC Ontario Chapter's Newsletter

## 白霄

### February 2023

### Volume CVII

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## REGULATORY UPDATE MEETING

March 21st, 2023 FREE for MEMBERS

#### PRE-REGISTER FOR THIS CHAPTER MEETING

As this meeting is an "in person" event simply click on the button below which will take you to our registration page. You can then either bring the payment with you or request a PayPal link from rob.castillo@univarsolutions.com Please make your reservation before the Monday prior to the meeting.



Yes! BA	we're <b>CK</b>	M	<b>TORY UPDATE</b> EETING ch 21st, 2023	And WeAre
Location:			400 Four Valley Dr	Appliance
Time:	9:00 a.m. 9:30 a.m. 10:15 a.m. 10:30 a.m. 11:15 a.m.	Registration Session 1 break Session 2 Session 3		Istate Ave
	Noon 1:00p.m. 2:00 p.m.	Lunch Session 4 Break	Romin	acor Rea Bellagio •
Fees:	2:15 p.m. 3:30 p.m. FREE for M	Breakout Sessions Closing Remarks embers	400 Countiand Ave	Milmay Are
	Non–Memb FREE for Str		Langstaff Rd 72	EFE

## SCC Ontario Regulatory Day

The agenda for this years SCC Ontario Regulatory day is coming together and we invite you to register. We have noted below some key topics that will be included and our timeline for the day above;

- Welcome to MoCRA (Modernization of Cosmetic Regulations Act)
- Cosmetic Regulation Modernization and Proposed Hotlist Amendments (CHPSD)
- VOCs, Alternative Control Plans Formulation Perspectives (ECCC)
- Plastic Regulations What's Coming Down the Pipe (labelling products/packaging as recyclable/compostable and recycled content minimum) – implications for cosmetic formulation and packaging
- An interactive session on PFAS and alternatives to PFAS (understanding the cosmetic ingredient landscape)

#### Full Abstracts and Biography's to follow

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A Welcome from the chair...



To all the SCC Ontario affiliates, I am proud to once again represent our Chapter as your Chair for 2023.

Being a part of the SCC for over 10 years has provided me with valuable information and opportunities to advance in my career as well as network with interesting people in various roles.

The SCC encourages individuals to excel and develop their knowledge within the Cosmetic industry keeping members informed of changes, challenges and innovations within our industry.

I look forward to a great year leading the board and its members; continue ongoing learning/ education in our prestigious, dynamic cosmetics/personal care industry.

I am here to support the needs of our Chapter and welcome any feedback suggestions for ongoing/ continual success.

Sincerely,

Elizabeth Peitsis Chair 2023, Ontario Chapter



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## February 9th, 2023 Meeting Recap

For our first evening meeting for 2023 w e w ere happy to host a local SCC Ontario board member, **Ms Vera Borsos-Matovina**. The subject of Vera's talk for the evening w as "*Sustainable production of Organic Cosmetic-Fragrance material in South Africa*". **Vera discussed how a** study tour to South Africa w as organized by IFEAT (International Federation of Essential oil and Aroma



Trade). She went on to detail how participants went to 8 farms/producers in different regions of the country. These included Cape region (South-West). They grow and distill Fynbos oils. Fynbos are Indigenous plants in Cape region including: Buchu, Cape chamomile, Cape May, Cape Snow bush, Rooibos. They also grow and process Rosemary vebenone, Geranium roseum, Helichrysum cryspum. The next production region on the tour was Kw ambonambi area where 31 farms made a COOP production of Organic and Conventional Tea Tree oil, Lemongrass oil, Lemon Tea Tree oil. Vera brought along several examples to "show and tell" for the audience!

Their last stop w as at Panbult w here participants saw production of Eucalyptus smitii and the fractionation of essential oils. Finally their tour ended at Thundra Private Game Reserve w here elephants, lions, rhinos, leopards and buffalos roam the land.

Vera Borsos-Matovina holds Masters degrees in Plant Physiology from two faculties. The first degree she received in 1992 from the Faculty of Agriculture, University of Novi Sad, Serbia and the second degree she received in 1997

from the Faculty of Forestry, University of Toronto. She has been involved with SCC for more than 15 years and as a member of Ontario Chapter's board of directors for 13 years. Over the past 10 years she is responsible for advertising in the SCC Ontario News Letter. Vera is the founder of Plant's Pow er Inc. As part of her business, she researches historical and scientific literature concerning the therapeutic use, quality, and specific chemical properties of essential oils. She is currently teaching "Fragrances and their use in cos metic formulations" at Seneca College Cos metic Science postgraduate programme and has developed the Fragrance course from its conception in 2016. Vera can be reached at <u>vera@plantpow er.ca</u>



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### Sustainability and the USDA Biopreferred ® Program

Written by Liz Streland

"We are all voyagers. What you carry with you and what you leave behind define who you are." – Lavati Lauak i Afifimailagi, Samoa Voyaging Society

The annual West Coast gray whale migration has ended. Every year, these marvelous animals swim from Alaska to the warm waters of Mexico to have their young. Together, they head back to Alaska to the delight of whale watchers along the way. Like many of you, I have been saddened by reports of whales washing up on beaches with pounds of plastic in their stomachs. This disturbing reality is a stark reminder of the role we can and must play in taking care of our world and leaving it a better place for generations to come.

One of the reasons I am so proud of being a part of our industry is because we have truly embraced this concept. Sustainability is not just a word that is tossed around. There are actions and examples aplenty demonstrating that sustainability is a significant and permanent part of the personal care industry land-scape. Consumer demand for greener products is significant and growing. According to a survey by the Shelton Group conducted for UL Environment, 70% of Americans say they are searching for greener products. Sixty-six percent of consumers say they are willing to pay more for sustainable brands and brands are responding. According to a Nielson and Mintel report, 50% of new product launches in 2017 were based on sustainability versus just 10% in 2007.

#### What is Sustainability?

A widely-accepted definition for the term "sustainable" comes from the Brundtland Report which was commissioned by the United Nations in 1987. It defines "sustainable development" as development that, "meets the needs of the present without compromising the ability of future generations to meet their own needs." So, how to achieve sustainable development? According to the Shelton Group survey, 56% of respondents said certifications make products more reputable. This validation from a reputable third party that a product is green makes a strong case with many consumers. Certifications offer instant credibility in a very visual way, i.e. on product packaging.

ACCORDING TO THE SURVEY, THE FOLLOWING WERE IDENTIFIED BY CONSUMERS AS THE TOP CERTIFIED CLAIMS FOR INFLUENCING PURCHASE DECISIONS:

- Coalition for Consumer Information on Cosmetics (CCIC): Leaping Bunny Not Animal Tested
- USDA Organic
- USDA Certified BioPreferred® Product
- NPA Certified

#### What is the USDA BioPreferred® Program?

For this blog, we will briefly focus on the USDA BioPreferred® program. The USDA BioPreferred® program is a government-driven program managed by the United States Department of Agriculture. It was created by the 2002 Farm Bill (and expanded as part of the 2014 Farm Bill) to increase the purchase and use of biobased products in order to (1) reduce reliance on petroleum, (2) increase the use of renewable agricultural resources, and (3) contribute to reducing adverse environmental and health impacts.

With more and more consumers searching for sustainable purchasing options, the USDA BioPreferred® program helps to facilitate the identification of such options by providing a USDA Certified Biobased Product label



Continued on page 14

## THE INGREDIENT TOOL CHEST

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Charles Darwin postulated that Toucan's massive beaks might be for sexual selection purposes. Other scientists have theorized that it could be for shows of intimidation, for actual defense or for peeling fruit. Given the beak's serrated edge, it was once thought that toucans used it to catch and eat fish. We now know that toucans are almost entirely fructivorous, although they do opportunistically eat insects, lizards, and even small birds.

Another thing we now know is that the main function of a toucan's beak is actually <u>thermoregulation</u>! Just like elephants do with their ears and dogs with their tongues, Toucans rely on their big beaks as heat sinks, to maintain their homeostasis and save them from overheating.

Bird beaks across the globe follow a trend called Allen's Rule, which proposes that the appendages of endotherms (warm-blooded animals) are smaller, relative to body size, in colder climates, in order to reduce heat loss. A study of 214 bird species from every continent found strongly significant differences in their beak sizes according to latitude and local environmental temperatures. From penguins to parrots, the species that live in colder places have smaller peckers.

Compliments of https://www.mcgill.ca

#### Continued from page 10

The label assures a consumer that the product contains a USDA-verified amount of renewable biological ingredients with minimum biobased content standards for over 100 categories. Twelve of those categories (along with their respective Minimum Biobased Content levels) are personal care-related including:

Product Category	Minimum Biobased Content
Bath Products	61%
Cuts, Burns, and Abrasions Ointments	84%
Deodorants	73%
Foot Care Products	83%
Shampoos	66%
Conditioners	78%
Hand Cleaners	64%
Hand Sanitizers	73%
Lip Care Products	82%
Lotions and Moisturizers	59%
Shaving Products	92%
Sun Care Products	53%
Topical Pain Relief Products	91%

The qualifying content level varies depending on the product and that level is included on the label. For example, the label below would be for a product that is 78% biobased. Referring to the personal care categories, this could be a bath product, deodorant, shampoo, conditioner, hand cleaner, lotion or sun care product. However, it could not be a cut, burn or abrasion ointment, foot care, lip care, shaving product, or topical pain relief product, because it does not meet the minimum threshold(s) specified.



It is important to note that once the minimum threshold is met, it is permitted to include the precise percentage of the specific product even if that percentage is higher than the minimum threshold for that category. For example, for the sun care category, it is possible to have a sun care product with the USDA Certified Biobased label showing 53% (the minimum), 54%, 55%, 60%, etc. so long as the testing confirms the level.

The USDA BioPreferred® Program uses test method ASTM D6866 to identify the bio-based content in products. ASTM D6866 is a method that measures 14C/ 12C ratios. 14C is produced in the atmosphere and fixed by plants, but has a half-life of 5,700 years. Petroleum-based materials contain less than 1% of the amount of 14C found in bio-based materials. Bio-based content is calculated using the ratio of "new" organic carbon (plant or agricultural-based) to total organic carbon ("new" organic carbon + "old" or fossil fuel-based organic carbon). The ASTM D6866 test method uses only organic carbon to determine bio-based content, i.e. inorganic carbon and water are excluded.

As of December 2015, USDA has certified over 2,500 biobased products.

For more information on the USDA BioPreferred® Program please go to the website: <u>www.biopreferred.gov</u>

Because what we leave behind will define who we are...

Article compliments of https://www.scconline.org/Education/Blog





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#### Presenters Wecome!!!

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

<u>bhalas-</u> <u>z39@gmail.com</u>

## Did You Know?

SCC Ontario Chapter Has a Group Presence on Linked in and invites you to join the Group As a Member of the SCC Ontario Linkedin Information Source. Take A Look Linked in

#### NEWSLETTER POSTING DATES FOR 2023

Here are the dates for 2023 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- January 12th
- February 27th
- April 27th
- August 24th
- October 5th



(or as close as we can get)

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

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

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## **UPCOMING EVENTS**

March 21st, 2023 The Venetian, Vaughan Ontario	SCC Ontario Regulatory Update Meeting
April 13, 2023 The Venetian, Vaughan Ontario	SCC Ontario Meeting—Capstone and Applied Research Presen- tations
May 25th, 2023 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting— Tania Viana—Grant Industries
July 12, 2023 Lionhead Golf & Conference Centre	SCC Ontario Golf Tournament
September 21, 2023 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting—SCC Ontario Education Day
November 2, 2023 The Venetian, Vaughan Ontario	SCC Ontario Chapter Meeting— TBA
December 1st, 2023 The Venetian, Vaughan Ontario	Annual Holiday Dinner Dance

## ONTARIO CHAPTER SCHOLARSHIP PROGRAM SOCIETY FOR COSMETIC CHEMISTS



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

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

The Ontario Chapter has supported the Seneca College Cosmetic Science Program and students by providing annual scholarships. Undergraduate students of the Seneca School of Biological Science and Applied Chemistry have also been supported by an annual award.

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

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### MEMBERSHIP

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





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.