

SUSTAINABLE CHEMICALS THROUGH CONTEMPORARY TOXICOLOGY

SPECIALTY SECTION

ANNUAL REPORT: 2021-2022

May 1, 2021 to April 30, 2022

I. Officers/Committees:

<u>Officers</u>	<u>2021-2022</u>	<u>2022-2023</u>
President:	Pamela J. Spencer	Margaret H. Whittaker
Vice President:	Margaret H. Whittaker	Brittany Baisch
Vice President-Elect:	Brittany Baisch	Lauren Brown
Secretary:	Mansi Krishan	Joanna Klapacz
Treasurer:	Mansi Krishan	Joanna Klapacz
Past President:	Jennifer Y. Tanir	Pamela J. Spencer
Councilors:	Britt L. McAtee	Azita Cuevas
	Marie Bourgeois	Marie Bourgeois
PDA Representative:	Zheng Zhou	Monika Roy
Grad Student Representative:	Vacant	Neha Paranjape

Committees:

Established committees with committee chairs:

- Nominating Committee (Chair: Past President);
- Program Committee (Chair: Vice President);
- Awards Committee (Chair: Vice President-Elect);
- Communications Committee (Councilor I);
- Membership Committee (Chair: Councilor II).

II. Membership

2021 Membership total: 76 members

III. Key Outcomes in 2021-2022:

- A. The Executive held monthly meetings and published newsletters for summer 2021 and winter 2022. SCCT conducted proposal reviews with endorsement of 4 sessions (1 roundtable, 1 workshop, 1 CE course and 1 informational). All four proposals were selected for sessions at SOT 2022, a webinar series was cosponsored with the Association for the Advancement of Alternatives Assessment and the SOT Risk Assessment Specialty Section in October 2021. Two awards were given for Best Postdoc Abstract Award for Outstanding Primary Research in Sustainability and Best Postdoc Abstract Award for Outstanding Applied Research in Sustainability. An annual specialty section business meeting luncheon was held at SOT 2022 and elections were held for outgoing officers.
- B. Growth of membership to 85 members by the March 2022 annual meeting, since becoming established in late 2019 and accepting members in 2020.

IV. Activities:

2022 SOT Annual Meeting Activities (e.g., courses, scientific sessions, or receptions):

Sustainable Chemicals through Contemporary Toxicology Specialty Section Meeting

Date and Time: Wednesday, March 30, 2022 from 12:00 pm – 1:30 pm

Summary: the event included an overview of the year, introduction of the current and new Executive Committee officers, recognition of outgoing officers, awards and networking.

Continuing Education Course CE PM12: Principles and Applications of Read-Across in Human Health Risk Assessment

Date and Time: Sunday, March 27, 2022 at 1:00 pm–4:35 pm

Primary Endorser: SCCTSS

Symposium: Safe and Sustainable Plastics: Navigating Health Impacts with Innovations

Date and Time: Tuesday, March 29 at 8–10:45 am

Primary Endorser: SCCTSS

Roundtable: Cross-Species Extrapolation: Opportunities in a 21st - Century Regulatory Nonanimal Testing World

Date and Time: Tuesday, March 29 at 11 am–12:20 pm

Primary Endorser: SCCTSS

Informational Session: Safer Chemical Tools and Practices: Successes in Advancing Safer Chemical Selection on a Global Scale

Date and Time: Wednesday, March 30 at 11:00–12:20 pm

Primary Endorser: SCCTSS

2021 Awards Information:

Award: Best Postdoc Abstract Award for Outstanding Primary Research in Sustainability

Awardee: Hazel Lin, PhD, University of Strasbourg

Advisor: Alberto Bianco, PhD

Abstract Title: Effects of graphene and molybdenum disulfide on macrophage toxicity

Award: Best Postdoc Abstract Award for Outstanding Applied Research in Sustainability

Awardee: Monica Roy, PhD, University of Massachusetts, Lowell

Advisor: Joel Tickner, PhD

Abstract Title: Addressing the Essential Use Concept through the Lens of Functional Substitution

Other Educational Activities Conducted (e.g., webinars, in person meetings):

Oct. 25, 2021 – Short course co-sponsored with:

Association for the Advancement of Alternative Assessment (A4)

Short Course – Tour de Force of Tools from the US Environmental Protection Agency to Support Assessments of Alternatives

Presenters

Todd Martin, Research Chemical Engineer, Center for Computational Toxicology and Exposure, US Environmental Protection Agency

Katherine Phillips, Physical Scientist, Center for Computational Toxicology and Exposure, US Environmental Protection Agency



Antony Williams, Computational Chemist, Center for Computational Toxicology and Exposure, US Environmental Protection Agency

Recording: <https://www.youtube.com/watch?v=HrHTB1gJGz8>

October 26, 2021 – Webinar co-sponsored with the SOT Risk Assessment Specialty Section (RASS)
Webinar - How Do We Get to Safer and Sustainable: Insight from Risk Assessment, Safer Design, and Green Chemistry Leadership

Presenters:

Joseph Rodricks, Founding Principal, Ramboll

John Warner, Distinguished Research Fellow, Zymergen Corporation

William McDonough, Manager and Co-founder, MBDC

Recording: <https://www.youtube.com/watch?v=-emhJPdogK4&list=PLYVFbQINcuXdeapMELpkrik-UUn7dY9cK&index=2>

Communication Activities:

1. Newsletter publication frequency: Summer 2021 and Winter 2022
2. 2022 Annual Specialty Section Business Meeting

Mentoring activities:

No mentoring activities were held in 2021-2022.

Feedback and Ideas:

In what ways is your group fostering and maintaining an inclusive environment?:

The annual SCCT business meeting was the first opportunity to personally interact with specialty section members. The SCCTSS was specifically created to foster cross-discipline collaborations and to this end, the SCCT has been working with the Ethical, Legal, Forensics and Societal Issues Special Section to host a 3-part webinar series on the topics of bias, data integrity and communicating with public in a era of mistrust in science.

How might SOT better support your group's activities (perhaps something the Society should be doing that we currently do not do, or do not do effectively, that would be of importance/benefit to the members of your component group?) (Note: If funding is listed, please provide detail on the membership need that the funding would support):

As issues of sustainability grow in importance, it would be advantageous for SOT to consider developing or hosting a multi-disciplinary session type, designed to bring together different areas of expertise to discuss/share ideas around specific sustainability issues. This will facilitate greater understanding of the role toxicology plays in helping to address various sustainability challenges and highlight to other experts the value SOT can contribute to this area.

What is one thing that the Society is currently doing that impacts your component group that should be changed (e.g., stopped, modified, etc.)?

SOT is very supportive of the SCCT, and SOT staff are very responsive to our requests. We are very appreciative!



What changes do your component group anticipate making in the way in which it operates in the coming year?

The SCCT is working to expand and offer additional webinars, mentoring activities, opportunities for members through collaborations with other specialty sections and external organizations, as well as expansion of membership.