



**ENTOMOLOGICAL  
SOCIETY OF AMERICA**  
SHARING INSECT SCIENCE GLOBALLY



# 2021 ANNUAL REPORT

## CONTENTS

Message from the 2022 ESA President.....	1
Financial Updates.....	2
Entomology 2021 Annual Meeting.....	3
ESA Membership Demographics .....	4
ESA's Global Reach.....	5
Credentialing.....	7
Webinars.....	7
Science Policy: Pandemic Can't Stop Entomological Advocacy .....	8
Diversity, Equity, and Inclusion Gains .....	9
Publications Highlights.....	9
Meet Your HQ Staff.....	10



## Dear fellow entomologists,

We have a lot to celebrate despite the difficult and challenging global events. The Entomological Society of America spent 2021 reaping the benefits of what we sowed in 2020 and before, having grown our membership, our investments, and our global impact. ESA staff and volunteer leadership have spent the last year working on how to strategically meet the needs of a changing world—scientifically, socially, and financially.

Thanks to a renewed focus on federal funding, we entered a cooperative initiative with the Centers for Disease Control and Prevention to expand and diversify the pipeline of students and professionals entering public health entomology careers! We have also continued to see success in the Professional Advancement Career Training initiative, which trains students and postdoctoral fellows in leadership and collaboration skills. On the horizon are new funding initiatives that will support the mission of ESA, firmly grounded in the idea that an investment in entomology is an investment in aiding humanity and maintaining Earth's biodiversity.

Socially, our community has strived to make sure our work reflects our common values of inclusion. We launched the Better Common Names Project to address problematic common names, beginning with the newly renamed *Lymantria dispar*, now “spongy moth.” The project is just one part of a multi-pronged approach to be mindful of our word choice and impact on humanity at large, to build an inclusive and welcoming entomology where everyone is encouraged and welcomed to participate.

Financially, the Governing Board has maintained a strong portfolio and pursued diversified revenue sources, seeking new opportunities and building on existing partnerships. Our financial future is bright, and continued diligence will ensure that our reserves continue steady growth. It is vital to use our resources to benefit membership and society as a whole, and as such ESA is forward thinking in its assessment of the future of publishing, meetings, and membership. ESA's meetings and marketing teams, for example, have worked to evaluate the financial risks and benefits of a myriad of meeting strategies that may be useful in an increasingly unpredictable world, from hybrid platforms to virtual on-demand content and enhanced safety measures for in-person meetings.

This year, after meeting virtually in 2020, we came together for a safe and engaging hybrid meeting in Denver! I must take this opportunity to give a heartfelt “thank you” to ESA staff for the countless hours they spent ensuring that we could safely enjoy each other's company while sharing our science. We look forward to meeting again in Vancouver this coming November. The 2022 Joint Annual Meeting will be the most creative one yet, we hope, with the theme of “Entomology as inspiration: Insects through art, science and culture.” Thanks to program co-chairs Phil Barden and Carly Tribull and to our program collaborators from the Entomological Societies of Canada and British Columbia, Bill Riel, Chandra Moffat, Chris MacQuarrie, Dan Peach, Lorraine MacLauchlan, Asim Renyard, and Felix Sperling for working together on some terrific programming, with the excellent guidance of Rosina Romano, Becky Anthony, and ESA staff.

Last summer, ESA volunteer leaders convened to discuss the ways we can best come together to share our science—particularly on a regional level—and one of the results of these conversations is the “Branch Evolution Project.” This project challenges us to imagine how we can best meet the varying needs of our global membership, highlight the science of all stages of researchers, and unite to address thematic problems efficiently and effectively. This summer, the Governing Board and planning committees will evaluate and refine a strategic plan that will reflect our shared values and build upon our ongoing discussions about the future of ESA and our discipline at large.

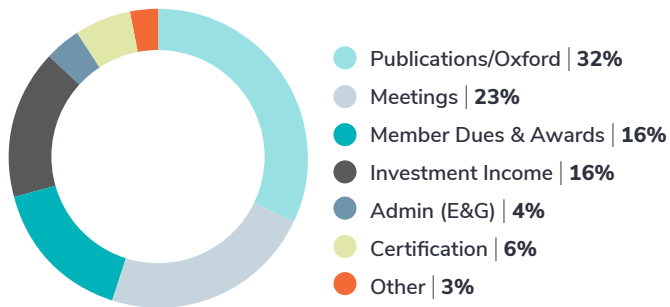
Thank you to all of you who have joined my “Presidential Pop-In” virtual meetings so far this year, and I look forward to chatting with you this spring. We are stronger when we work together, and these conversations have proven to be productive community building events, for which I am very grateful!

With my very best wishes,  
**Jessica L. Ware, 2022 ESA President**

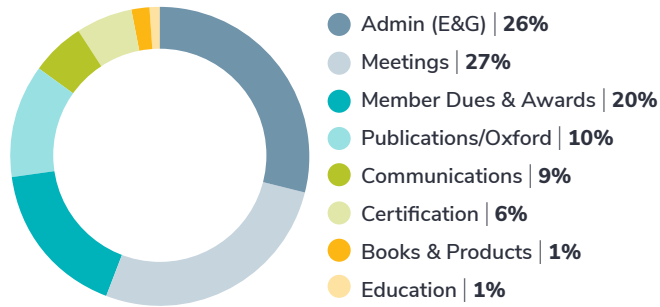
# Financial Updates

ESA maintains funds that it designates as “financial” and “strategic” reserves to ensure that ESA is protected from sudden financial shocks and to fund new programs and opportunities that are not part of routine operations. As of December 31, 2021, ESA’s reserves are in excess of one year’s operating budget. The Society remains well positioned to grow and adapt to the evolving financial landscape and to pursue strategic ventures that leadership deems beneficial to the Society.

**Total Revenue** (\$4,468,841 – Preliminary Unaudited)

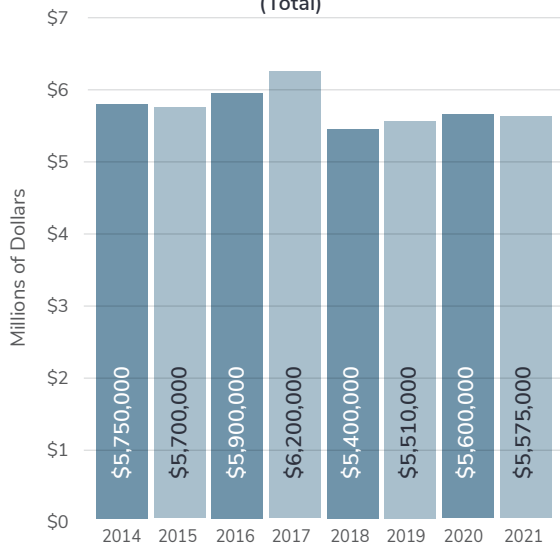


**Total Expenses** (\$4,411,906 – Preliminary Unaudited)



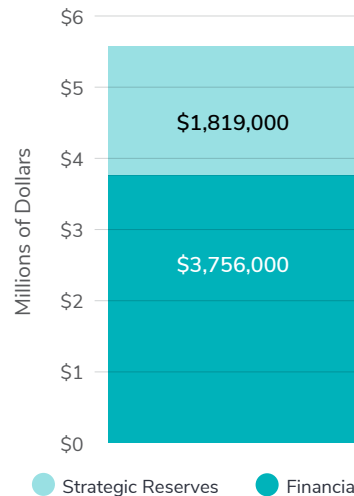
**Investment Reserves**

(Total)



**Investment Reserves**

(Strategic vs. Financial)



## UPDATE

ESA's Chrysalis Fund encourages entomology education by awarding grants to K-12 teachers and other educators who use insects in the classroom to get kids excited about science. In 2021,

ESA AWARDED

9 GRANTS

RANGING FROM

\$490 TO \$2,000

At the close of 2021,

THE FUND BALANCE WAS

\$162,830



# 2021 ENTOMOLOGY

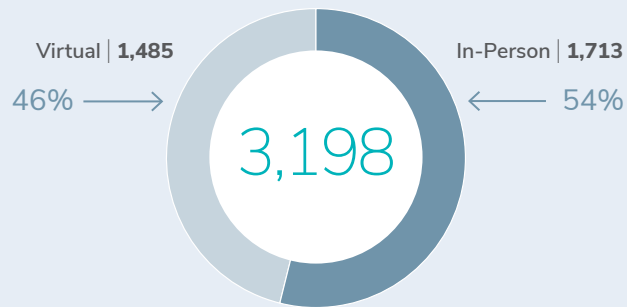
Oct. 31 – Nov. 3 | Denver, CO

IN-PERSON & VIRTUAL

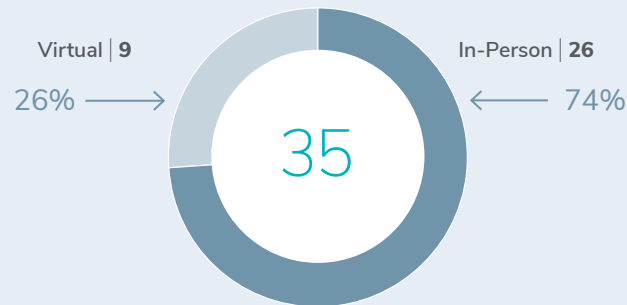


**Entomology 2021 Adapt. Advance. Transform.** was our first hybrid meeting, with over 1,000 on-demand presentations available online and an additional 1,200 live presentations taking place onsite in Denver. Plenary sessions and program symposia were livestreamed to the virtual audience and recorded for on-demand viewing through January 31, 2022. Many of our Denver attendees were happy to be back together, even if we were practicing social distancing!

### Registered Attendees



### Exhibiting Companies

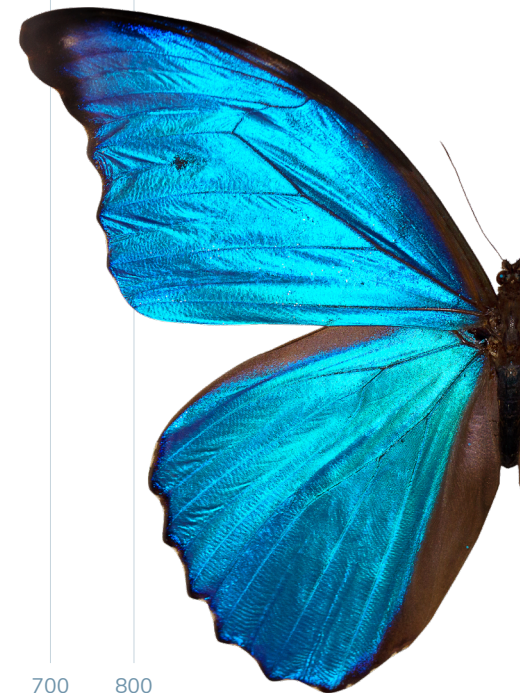
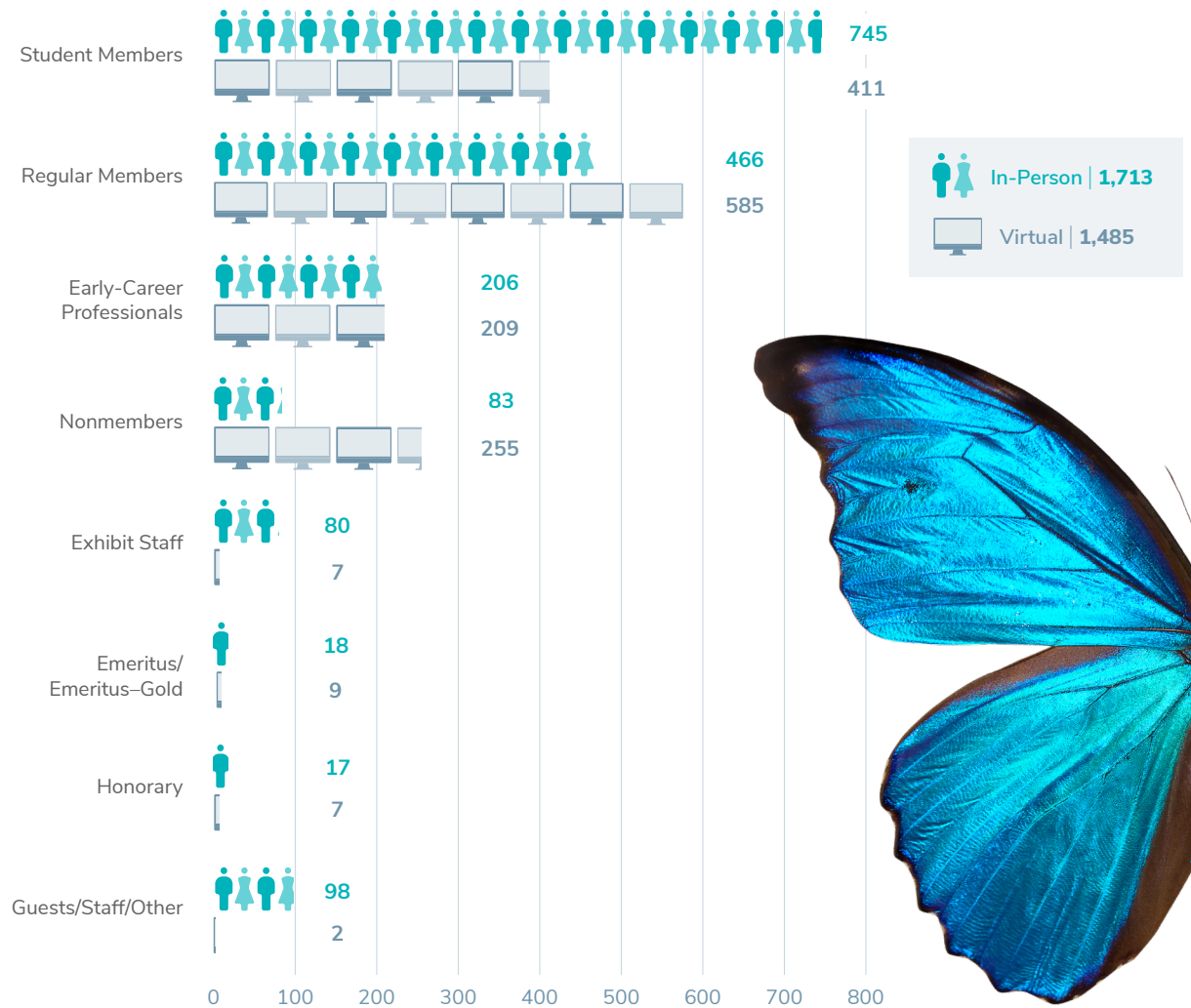


### The 2021 Annual Meeting had ...

**818** first-time attendees and participants from **53** different countries.

For the second year in a row, **student members** represented the largest category of attendees.

### Attendee Breakdown



# ESA Membership Demographics

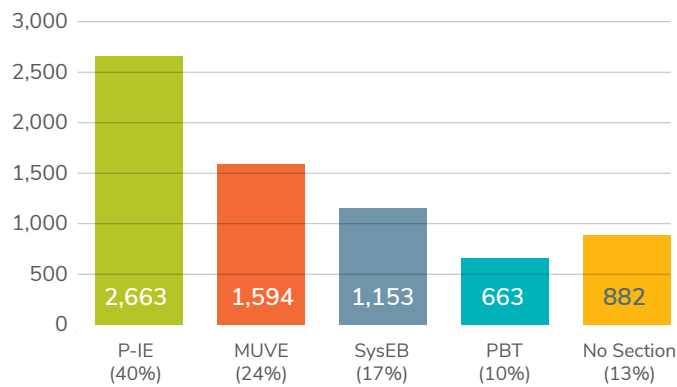


## Total Membership

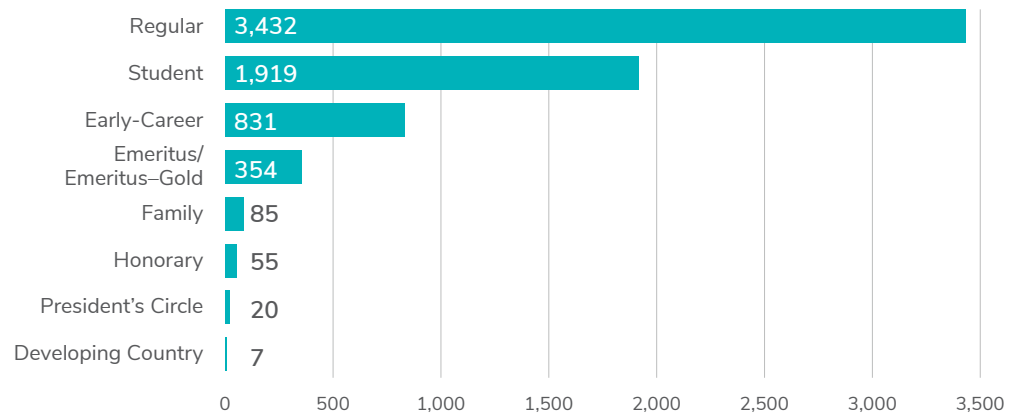
The pandemic weighed on membership again in 2021. Overall membership declined 2.5%, the second year in a row with a decline.

TOTAL MEMBERSHIP		<b>6,703</b>
New Members		1,132
Returning Members		5,571

## Membership by Section\*



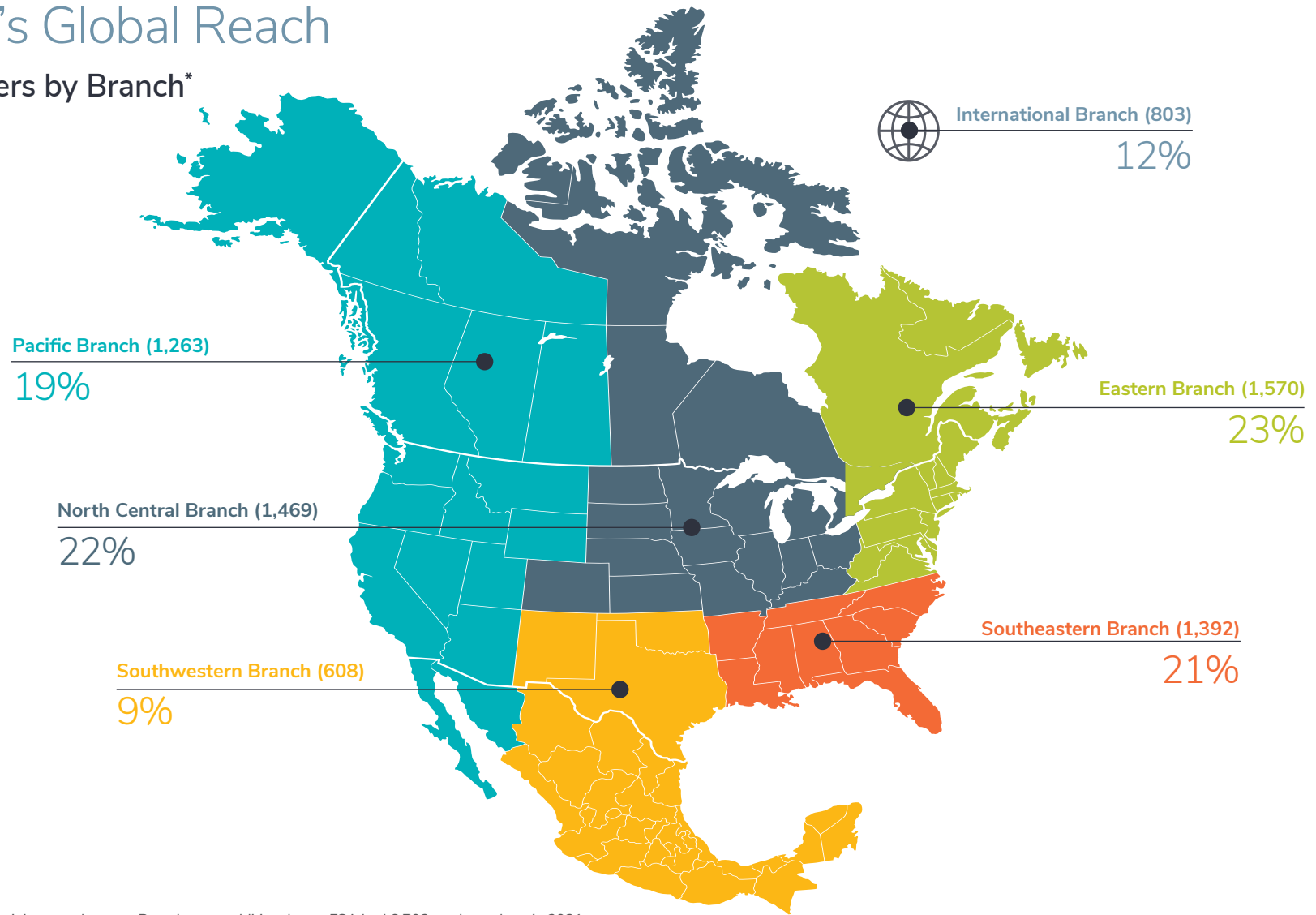
## Membership Breakdown



\*Members may join more than one Section at no additional cost.

# ESA's Global Reach

## Members by Branch\*



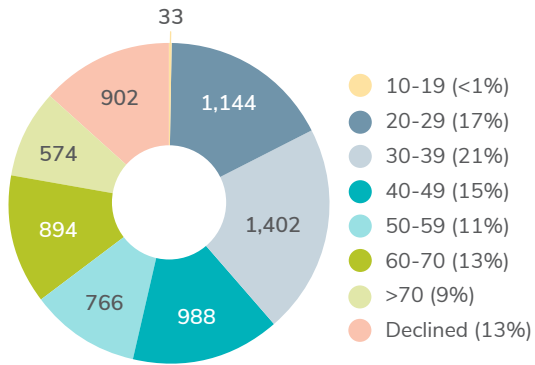
\*Members may join more than one Branch at no additional cost. ESA had 6,703 total members in 2021.

Thank you to our corporate partners for their support throughout the year.

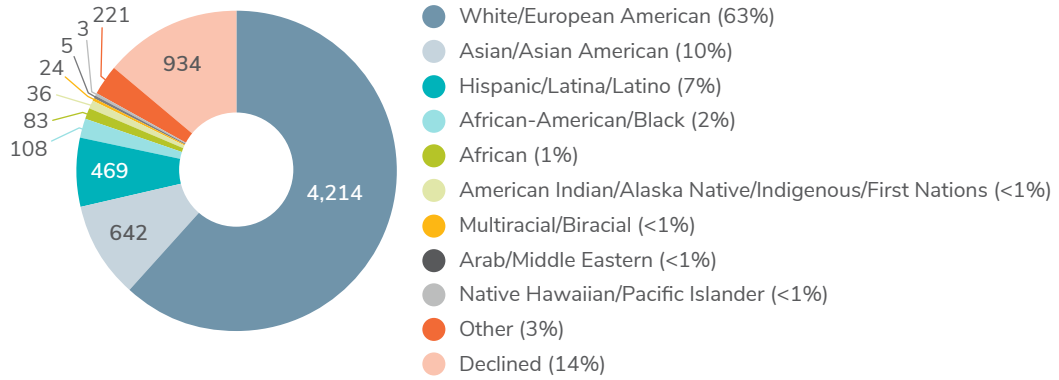




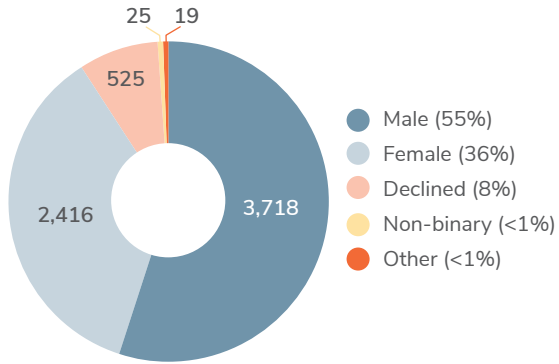
### Members by Age



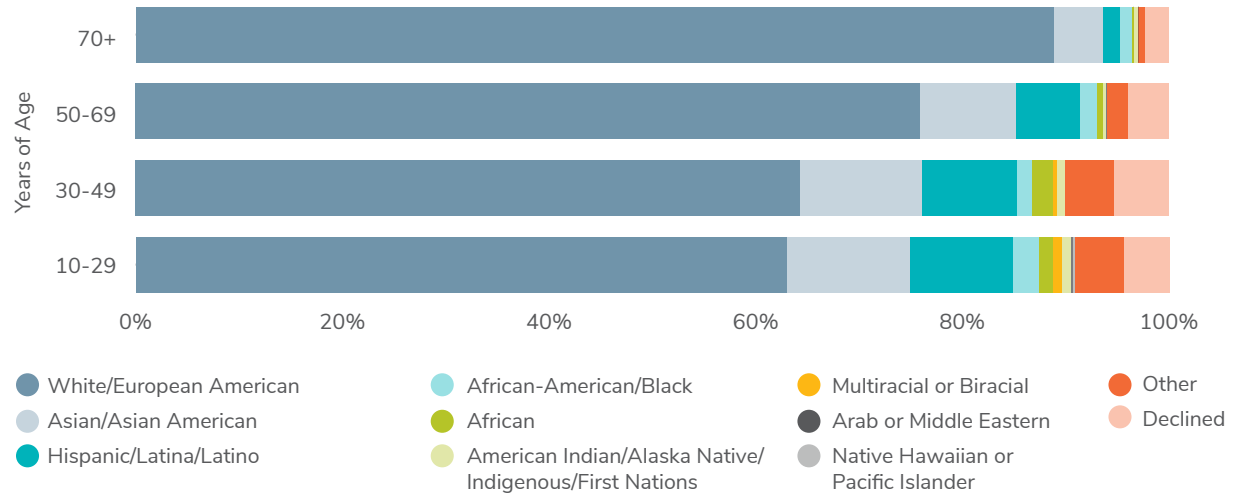
### Members by Race & Ethnicity



### Members by Gender



### Member Race and Ethnicity by Age



# Credentialing

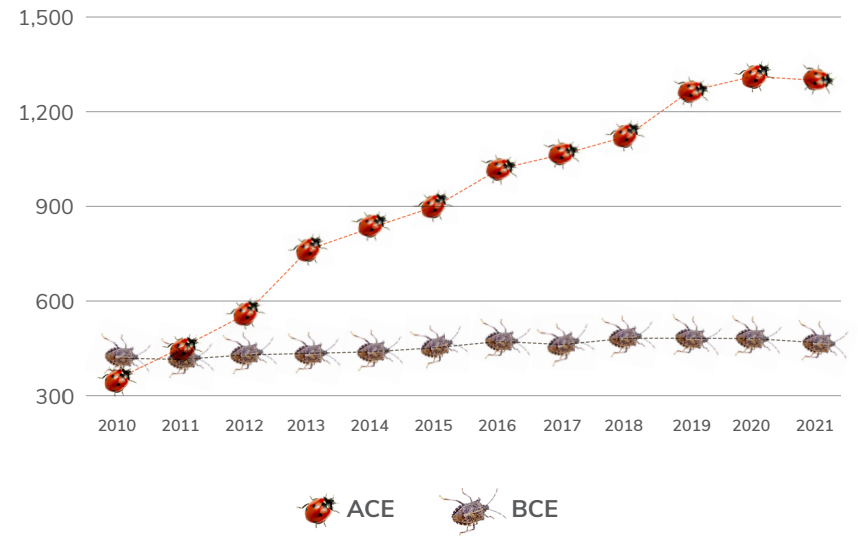
## New IPM Certification



In November 2021, ESA launched its newest certification, the Certified IPM Technician (CIT). This new program aims to further grow the professionalism of the sector as well as offer a designation for those not yet eligible for the Associate Certified Entomologist (ACE) program. Eligibility for the CIT includes one to four years of experience in pest control and no licensing requirement beyond being qualified to apply pesticides in the jurisdiction in which the professional works. The first CIT designee passed the exam in November.

While the cancellation of most of the major industry conferences in 2020 and 2021 hindered promotion of ESA Certification opportunities, the number of individuals who have obtained the certificate in Public Health Entomology (PHE), for professionals who work with pests that pose health risks, doubled in 2021. The ESA Certification team looks forward to attending more conferences in 2022, so be sure to come by and say hello.

## ACE and BCE Certification Growth



## Webinars

In 2021, ESA hosted **27** webinars including three series that reached **1,651** attendees.



- Continental Dialogue and Grand Challenges Webinar Series
- Invasive Species Webinar Series
- First Thursday: New Member Series

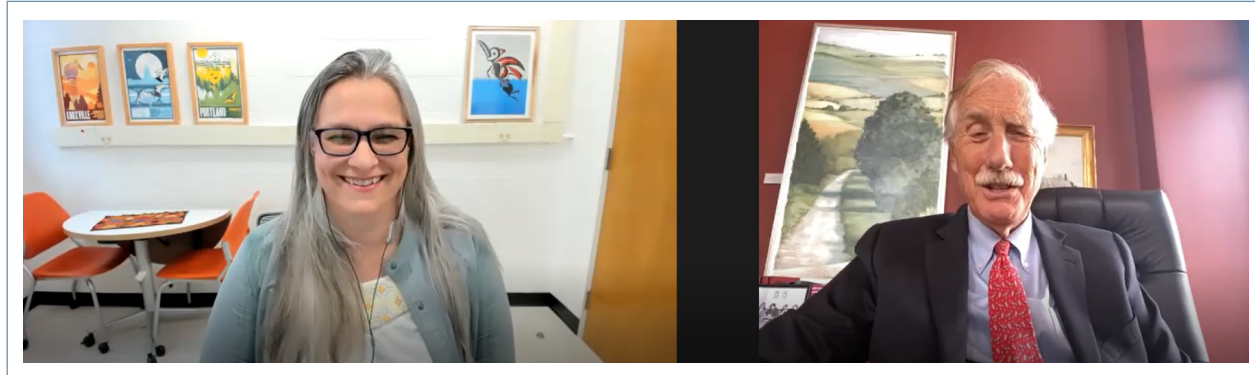
## Ethics in Entomology

ESA remains committed to creating an inclusive and welcoming discipline for all. In 2021, ESA’s leadership approved a strengthened ethics statement, which made ethical conduct by members and affiliates a clear expectation and not just a suggestion. The policy includes the Society’s Code of Conduct, the Diversity Statement, special expectations of Societal honorees, and has been broadened to include expectations for behavior at both ESA-managed events and other professional settings. To be as transparent as possible about member conduct, ESA pledged to report to members on reported incidents. All reported incidents are taken seriously and investigated.

In 2021, for both the ESA and ESA Certification programs,

- 4 reported incidents resulted in letters that delivered varying levels of sanction;
- 4 reported incidents are still being investigated;
- 2 reports were filed that related to previously examined incidents. Due to lack of new information, no further action taken;
- 4 reported incidents were reviewed and no further action taken.





## Science Policy: Pandemic Can't Stop Entomological Advocacy

Despite the continued closure of Capitol Hill to most meetings, stemming from COVID-19 as well as the January 6 insurrection, ESA continues to grow existing relationships with Congress and build new ones.

Some highlights and outcomes of ESA's advocacy in 2021:

- Bills endorsed by ESA on pollinators and invasive species were included in the *Infrastructure Investment and Jobs Act*.
- House and Senate appropriations bills included support for the CDC Regional Centers of Excellence on Vector-Borne Diseases.
- Senator Angus King (I-ME) participated in a webinar with ESA 2023 President Marianne Alleyne (pictured above) to kick off Entomology Advocacy Week.
- ESA Science Policy Fellows held virtual spring and fall meetings with Congressional offices, federal agencies representatives, and members of the White House's Office of Science and Technology Policy.
- The Science Policy Committee selected the Class of 2021 Science Policy Fellows, hosted a symposium at Entomology 2021 focused on developing effective science communication strategies, and renewed position statements on endangered insects as well as arthropod biodiversity.
- ESA's Grand Challenges Agenda for Entomology and the Nature Conservancy's Continental Dialogue on Non-Native Forest Insects and Diseases hosted a series of webinars on forest health and invasive species.

For frequent updates, please refer to the monthly [ESA Science Policy Newsletter](#).



## Diversity, Equity, and Inclusion Gains

In 2021, ESA expanded its efforts to create a more diverse and inclusive Society and profession. We:

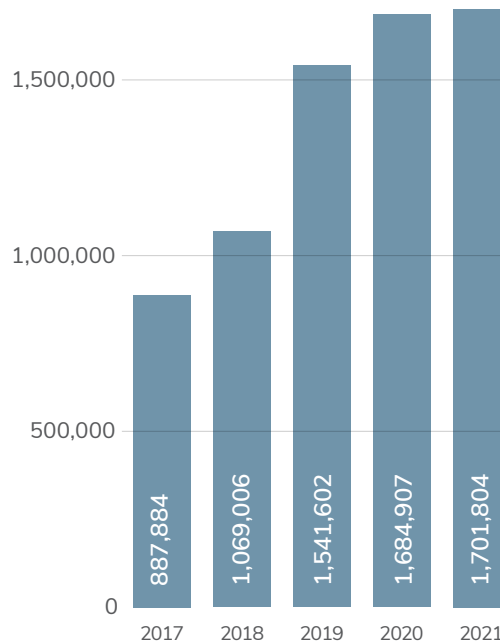
- Created Public Health Entomology For All (PHEFA) Internships and Fellowships. In partnership with the U.S. Centers for Disease Control and Prevention, ESA created six PHEFA internships and two fellowships to introduce students and graduates of minority-serving institutions to public health entomology.
- Partnered with the American Indian Science and Engineering Society, Ecological Society of America, and Botanical Society of America in *LEAPS: Culture Change for Inclusion of Indigenous Voices in Biology*, an NSF-funded grant to drive organizational culture change among professional societies to transform how biological societies engage with Indigenous scholars and communities.
- Started EntoMentors, a mentorship program for students and early-career professionals from underrepresented communities.
- Updated demographic options on member profiles to better reflect our changing communities and identities.

## Publications Highlights

All of ESA’s journal impact factors increased in 2021.

- *Insect Systematics and Diversity* received its first impact factor of 4.771, which ranked it No. 6 in the entomology category.
- Editor diversity continues to improve. Over the last three years, the percentage of women subject editors increased from 26 percent to 37 percent. More than one-third of editors-in-chief are women.
- ESA published 10 special collections in 2021, each dedicated to a notable high-interest topic.
- The *Journal of Insect Science* began piloting double-anonymous peer review.
- The pandemic has created some swings in submissions. After increasing 16 percent in 2020, total journal submissions declined 21 percent in 2021.
- *American Entomologist* received another design award, this time a Communicator Award from the International Academy of Interactive & Visual Arts.

ESA Journal Usage Trending Upward



### Branding Award

In 2021, ESA won a Silver Excel Award from the Associations, Media & Publishing Network for Best Promotional Content Rebranding.

The ESA brand was updated in 2020 to better reflect the vitality and diversity of the ESA membership and the discipline as a whole.

### Entomology Today Blog

**10,000+** subscribers

**2.6 million** pageviews

(+3 percent over 2020)

**148 posts**

(+8 percent over 2020)

# Meet Your HQ Staff

The ESA headquarters team is here to help you get the most out of your ESA membership.

## QUESTIONS?

Use the online staff directory at [www.entsoc.org/about/staff](http://www.entsoc.org/about/staff) or the contact information below.

ESA MAIN LINE: **301-731-4535**

### Meetings and Membership:

**Rosina Romano**, x3010 • [rromano@entsoc.org](mailto:rromano@entsoc.org)  
Annual Meeting, Membership

**Becky Anthony**, x3018 • [banthony@entsoc.org](mailto:banthony@entsoc.org)  
Annual Meeting Program, Branch Meetings

**Cindy Myers**, x3011 • [cmyers@entsoc.org](mailto:cmyers@entsoc.org)  
Awards, Corporate Partnerships, Exhibits, Entomology Games

**Mary Campbell**, x3013 • [mcampbell@entsoc.org](mailto:mcampbell@entsoc.org)  
Membership, Database, Elections

**Javhana Johnson**, x3029 • [jjohnson@entsoc.org](mailto:jjohnson@entsoc.org)  
Annual Meeting Submissions, Webinars, Membership

### Publications, Communications, and Marketing:

**Matt Hudson**, x3020 • [mhudson@entsoc.org](mailto:mhudson@entsoc.org)  
Publishing, Books, Editorial Boards, Publications Council

**Josh Lancette**, x3023 • [jlancette@entsoc.org](mailto:jlancette@entsoc.org)  
Journals, ScholarOne, Peer Review, Common Names

**Joe Rominiecki**, x3009 • [jrominiecki@entsoc.org](mailto:jrominiecki@entsoc.org)  
Entomology Today, Social Media, PR, World of Insects Calendar

**Laura Sparks**, x3022 • [lsparks@entsoc.org](mailto:lsparks@entsoc.org)  
Website, Emails, Marketing

**Valerie Quickel**, x3021 • [vquickel@entsoc.org](mailto:vquickel@entsoc.org)  
eNews, Email Subscriptions

**Irene Nudd**, x3028 • [inudd@entsoc.org](mailto:inudd@entsoc.org)  
Journal Submissions, American Entomologist

### Diversity, Equity, and Inclusion:

**Stacie East**, x3030 • [seast@entsoc.org](mailto:seast@entsoc.org)  
Diversity and Inclusion, Ethics, Early Career Professionals, PHEFA Internships and Fellowships, SAC

### Strategic Initiatives and Certification:

**Erin Cadwalader**, x3025 • [ecadwalader@entsoc.org](mailto:ecadwalader@entsoc.org)  
Science Policy, Grand Challenges, New Initiatives, Strategy, Sections, Leadership Development, Awards & Honors Canvassing

**Willet Hossfeld**, x3026 • [whossfeld@entsoc.org](mailto:whossfeld@entsoc.org)  
Certification, Education

**Mayyadah Bohn**, x3027 • [mbohn@entsoc.org](mailto:mbohn@entsoc.org)  
Certification

### Finance:

**Neil Willoughby**, x3005 • [nwilloughby@entsoc.org](mailto:nwilloughby@entsoc.org)  
Budget, Finance, Administration

**Alexis Lyons**, x3017 • [alyons@entsoc.org](mailto:alyons@entsoc.org)  
Vendor Payments, Member Payments, Refunds

### For All Other Inquiries:

**Chris Stelzig**, x3012 • [cstelzig@entsoc.org](mailto:cstelzig@entsoc.org)  
Executive Director

