

# 2021

## ANNUAL REPORT



# Letters from Leadership

## PSA President & Executive Director



**Karen Schwean-Lardner**  
**University of Saskatchewan**  
*President, PSA*

Greetings everyone! This past year has flown by so rapidly, and I cannot believe it is already 2022! But there are many things to look forward to this year.

With the COVID crisis, you will have noticed that our incredible staff has helped PSA to go on-line with a number of ventures. Our 2021 Annual Meeting is just one example! We have also been providing webinars for our members, and will continue to do so in 2022. They have been well attended, and thank you very much to our speakers and audience members for those. If you have an excellent idea for a webinar, by all means, please let us know! We also have continued our PSA Postings, which include some amazing news stories and updates for our members! You will see "Featured Topics", our "Let's Squawk About It" series, a terrific "Members Spotlight" section where you can read about our PSA members, and so much more! So if you have not checked this out, please do! We have also had a change to one of our journals. Dr. John Carey has stepped down as Editor-In-Chief of *The Journal of Applied Poultry Research* this past year, and PSA cannot thank him enough for his years of dedicated work for this journal! Dr. Brian Fairchild has taken over this role, and we wish him the very best in this new role.

We are continuing to work on many other ventures for our PSA Members. Just a few include our brand new database and portal experience that is now up and running! AND our work is continuing for the **IN PERSON** (highlighted because I am very excited to attend an in-person meeting to see you all) Annual Meeting to take place in San Antonio in July 2022! I would like to take this opportunity to wish you the very best start to the new year!



**Jacelyn Hemmelgarn**  
**Poultry Science Association**  
*Executive Director*

I think it is safe to say that at the start of 2021 we were all hoping for a better year. However, the challenges that continued to be brought on in the past year have been unforgettable. In the end, we came out of this year more knowledgeable and stronger as an Association.

We have learned how to be more nimble, flexible, and proactive. We never let go of our vision to be the most respected resource for the poultry sciences. Within this report we will show how PSA navigated through these challenges, side-by-side with our members, volunteers, and partners. The Poultry Science Association is grateful to everyone for their continued support through all of this. It is with this support, that PSA can continue to be dedicated to advancing the discovery, dissemination and application of knowledge in the poultry sciences.

Looking ahead in 2022, the PSA Board continues to build on PSA's Strategic Visions. We are working diligently on increasing membership and increasing our presence online, building partnerships and making our society more accessible to the global agricultural community. We will continue to work hard to ensure that PSA continues to be the premiere resource for the poultry sciences, for years to come.

# Board of Directors & Officers 2021-2022



**Karen Schwean-Lardner**  
University of Saskatchewan  
*President*



**Tom E. Porter**  
University of Maryland  
*First Vice President*



**Brian D. Fairchild**  
University of Georgia  
*Second Vice President*



**Douglas F. Britton**  
Georgia Tech Research Institute  
*Secretary-Treasurer*



**Christine Alvarado**  
Arm and Hammer Animal & Food Production  
*Past President*



**Nickki Tilman**  
Nutritional Statistics LLC  
*Director (2022)*



**Sergio L. Vieira**  
UFRGS  
*Director (2022)*



**Lisa R. Bielke**  
The Ohio State University  
*Director (2023)*



**Charles L. Hofacre**  
Southern Poultry Research Group  
*Director (2023)*



**Sami Dridi**  
University of Arkansas  
*Director (2024)*



**Shai Barbut**  
University of Guelph  
*Director (2024)*



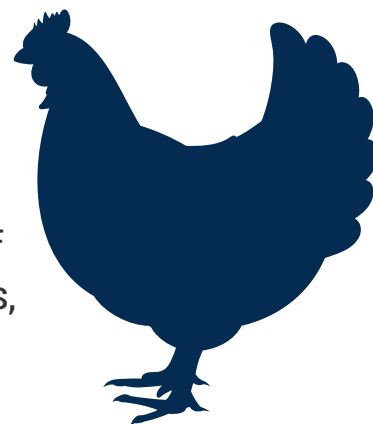
**Gabriela Cardoso Dal Pont**  
Texas A&M University  
*Sr. Student Director*



**Andrea Rubio**  
North Carolina State University  
*Jr. Student Director*

## About PSA

Founded in 1908, the Poultry Science Association (PSA) is an international, professional organization dedicated to advancing the discovery, dissemination, and application of knowledge in the poultry sciences. PSA provides networking opportunities and a growing list of original content resources to its membership of educators, scientists, extension specialists, industry researchers, administrators, producers, and college students.





# PSA Committees and Committee Chairs

## Award Specific Committees

**American Egg Board Research Award & Maurice Stein Fellowship Award Committee**  
Paul H. Patterson, Chair (2023)

**American Feed Industry Association Poultry Nutrition Research Awards Committee**  
Jesse L. Grimes, Chair (2024)

**American Poultry Historical Society Award Committee**  
Yvonne V. Thaxton, Chair (2023)

**Fellows Award Committee**  
Annie M. Donoghue, Chair (2022)

**Evonik Corporation Award for Achievement in Poultry Science Committee**  
Hilary O. Pavlidis, Chair (2022)

**National Turkey Federation Research Award & Maple Leaf Farms Duck Research Award Committee**  
Gregory S. Fraley, Chair (2021)

**National Chicken Council Broiler Research Award Committee**  
Jason T. Lee, Chair (2023)

**PSA Early Achievement Award for Research Committee**  
Yuko Sato, Chair (2022)

**Tyson Foods Inc. Support Personnel Award Committee**  
Cara I. Robison, Chair (2022)

## Strategic Committees

**Committee on Careers**  
*Alltech Student Research Manuscript Award*  
*PSA Student Recruitment Award*  
Zachary T. Williams, Chair (2023)

**Committee on Animal Health**  
Yewanda O. Fasina (2023)

**Committee on Environmental Quality & Sustainability**  
Roselina Angel, Chair (2022)

**Committee on Food Safety**  
Dianna Bourassa, Chair (2023)

**Committee on Poultry Well-Being**  
*Poultry Welfare Research Award*  
Karen D. Christensen, Chair (2022)

**Committee of the USA Branch of the WPSA**  
Sami Dridi, President (2021), PSA Appointment

**Committee on Extension & Outreach**  
*Phibro Extension Award*  
*PSA Early Achievement Award for Extension*  
Kenneth W. Koelkebeck, Chair (2022)

**PSA Foundation**  
Robert B. Beckstead, Chair (2022)

**Global Relations and Outreach Committee**  
Jason L. Emmert, Co-Chair (2024)  
Casey M. Owens, Co-Chair (2024)

**Committee on Industry Relations**  
*PSA Honorary Members*  
*USPOULTRY Distinguished Poultry Industry Career Award*  
*PSA Early Achievement Award for Industry*  
Janet Remus, Committee Chair (2022)  
Casey M. Owens, PSA Early Achievement Award Chair (2023)  
Samuel J. Rochell, Symposium Chair (2022)

**Journal Planning Committee**  
Deana R. Jones, Chair (2022)

**Strategic Progress and Long-Range Committee**  
Karen Schween-Lardner, Chair (2022)

**PSA Hatchery Advisory Committee**  
Gabriela Cardoso Dal Pont, Chair (2025)

**Committee on Teaching**  
*Novus International Teaching Award*  
*PSA Early Achievement Award for Teaching*  
Andrew P. Benson, Chair (2024)

## Operational Committees

**Constitution Committee**  
Tom E. Porter, Chair (2023)

**Executive Director Steering Committee**  
Christine Alvarado, Chair (2022)

**Finance Committee**  
Douglas F. Britton, Chair (2022)

**Nominating Committee**  
Christine Alvarado, Chair (2025), Past President

**Annual Meeting Program Committee (2022)**  
Douglas R. Korver, General Program Chair-Elect (2022)

**Publication Committee for *The Journal of Applied Poultry Research***  
Editor-in-Chief: Brian D. Fairchild (2024)

**Publication Committee for *Poultry Science*®**  
Editor-in-Chief: Robert L. Taylor, Jr. (2022)

**Resolutions Committee**  
Audrey M. McElroy, Chair (2024)

31

Committees

Over  
150

Individual  
Committee  
Volunteers

# PSA Committee Representatives to Other Associations

## **American Veterinary Medical Association Animal Welfare Committee (AVMA)**

Two representatives serve a three-year term working with the AVMA Animal Welfare Committee identifying and evaluating issues important to animal and poultry welfare.

**Kenneth W. Koelkebeck**  
**A. Bruce Webster**

## **Association for the Assessment and Accreditation of Laboratory Animal Care, International (AAALAC)**

One representative serves a three-year term representing poultry interests in this accrediting organization. PSA is also a professional association member of AAALAC.

**Kenneth E. Anderson**

## **American Association for the Advancement of Science (AAAS)**

One representative serves a three-year term representing poultry interests at meetings of this association. PSA is also a professional association member of AAAS.

**Mary Ann Ottinger**

## **American Feed Industry Association (AFIA)**

One representative serves a three-year term representing poultry interests at meetings of this association.

**Raj Murugesan**

## **American Institute of Biological Sciences (AIBS)**

One representative serves a three-year term representing poultry interests at meetings of this association that publishes BioScience. PSA is also a professional association member of AIBS.

**C. Roselina Angel**

## **American Poultry Historical Society and Literature Preservation (APHS)**

One representative serves a three-year term representing poultry interests at meetings of this association.

**Louis C. Arrington**

## **American Registry of Professional Animal Scientists (ARPAS)**

One representative serves a three-year term representing poultry interests at meetings of this association.

**Gregory P. Martin**

## **Board of Agriculture (National Research Council)**

One representative serves a three-year term representing poultry interests at meetings of this association.

**Francine A. Bradley**

## **Coalition on Funding Agricultural Research Missions (CoFARM)**

The primary mission of CoFARM is to provide the perspective of the scientist in professional agricultural societies on the USDA budget relative to recommendations for research funding. CoFARM is also a contact for legislative personnel to be able to access accurate scientific information.

**William W. Saylor**

## **Council for Agricultural Science and Technology (CAST)**

One representative serves a three-year term representing poultry interests at meetings of this association. PSA is also a professional association member of CAST.

**Jacob D. Lum**

## **Institute of Food Technologists (IFT)**

One representative serves a three-year term representing poultry interests at meetings of this association.

**Patricia A. Curtis**

## **James E. Rice Memorial Library**

A representative is appointed to serve on the advisory committee of the James E. Rice Memorial Library at Cornell University.

**Richard E. Austic**

## **Professional Animal Auditor Certification Organization (PAACO)**

Two representatives serve a three-year term representing poultry interests in this auditing and certifying organization. PSA is also a professional association member of this PAACO.

**Kenneth E. Anderson**  
**Karen D. Christenson**

## **Southern Poultry Science Society (SPSS)**

One representative is appointed to represent PSA at meetings of this association.

**Mary M. Beck**

## **World's Poultry Science Association (Canada Branch)**

One representative serves a three-year term representing poultry interests at meetings of this association.

**Bruce M. Rathgeber**





# PSA Staff

## Champaign, IL Office



**Jacelyn Hemmelgarn**  
*Executive  
Director*



**Jon Cole**  
*Director of Business  
Operations*



**David Busboom**  
*Managing  
Editor*

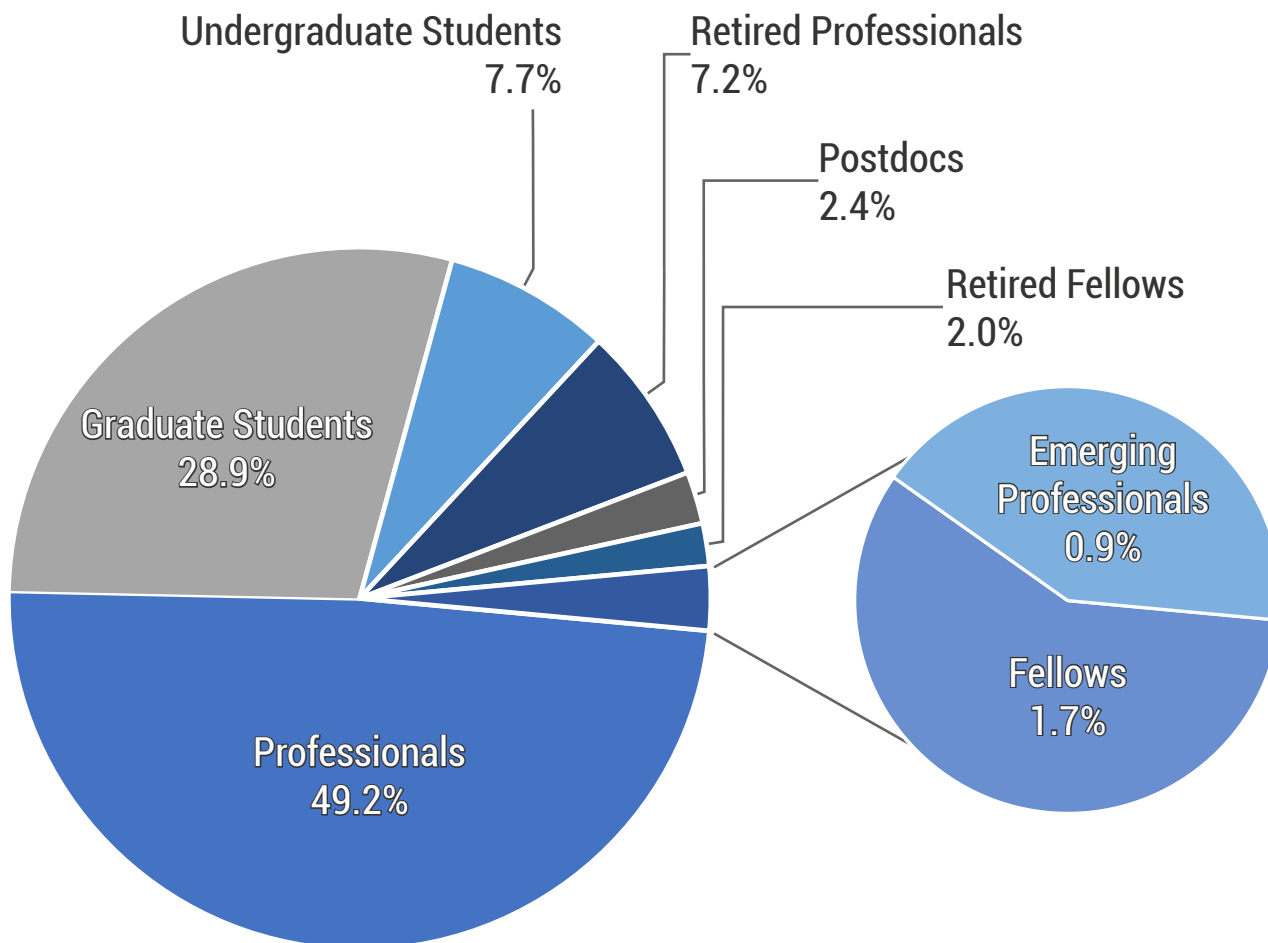


**Rebecca Ries**  
*Membership & Meetings  
Manager*



**Sam Shafer**  
*Marketing  
Manager*

# 2021 Membership Summary



Membership Type	Count
Professionals	801
Graduate Students	471
Undergraduate	125
Retired Professionals	118
Postdocs	39
Retired Fellows	32
Fellows	28
Emerging Professionals*	15
<b>Total</b>	<b>1629</b>

\*An Emerging Professional member is any person who has held an active student membership, but no longer qualifies as a student member because of receiving a degree that has lead to no further degrees being pursued. This membership is available to a recent graduate as he/she transitions into a role with an employer either in industry, academia, or other field related to poultry science. This free membership is only offered once for a one-year period.

# Publications

*Poultry Science® & The Journal of Applied Poultry Research*



**Robert L. Taylor, Jr.**  
West Virginia University  
*Poultry Science®*  
Editor-in-Chief



**Brian D. Fairchild**  
University of Georgia  
*The Journal of Applied Poultry Research*  
Editor-in-Chief



**Poultry Science®**  
Manuscripts Received: **1,339**  
Manuscripts Accepted: **480**  
Total Active Reviewers: **1,071**  
Article Pages Published: **7,488**



**The Journal of Applied Poultry Research**  
Manuscripts Received: **152**  
Manuscripts Accepted: **44**  
Total Active Reviewers: **163**  
Article Pages Published: **1,070**





# 2021 PSA Annual Meeting

## July 20-22, 2021



**Rebecca Ries**  
**Poultry Science Association**  
*Membership & Meetings Manager*

One of the benefits of a virtual meeting is the complete flexibility. This year we decided to extend the flexibility even further by continuing to allow our PSA Annual Meeting attendees to access the meeting platform and scientific content through the end of the calendar year. That's over 5 months of access! Attendees were then able to watch symposia recordings and view abstracts as their schedules allowed. There were even a few individuals who heard about the conference after the live event concluded and were still able to register for the meeting without missing out on any of the content!

The 2021 Annual Meeting welcomed 921 attendees from across the world. See the attendee breakdown to the right.

Although PSA is thrilled to be planning for an in-person 2022 Annual Meeting, there are certainly differences to expect, and the total flexibility will be missed. That said, there are many exciting things being planned to welcome attendees back to an in-person event, so mark your calendars for the 2022 PSA Annual Meeting in San Antonio, TX from July 11-14, 2022!

2021 PSA Annual Meeting  
**ONLINE**  
July 19-22, 2021



## Attendance

**381**

**Professional Members**

**178**

**Professional Non-Members**

**14**

**Retired Members**

**311**

**Student Members**

**37**

**Student Non-Members**

**921**

**Total Attendees**

# 2021 PSA Annual Meeting Sponsors

## Gold

Alternative Design Manufacturing & Supply Inc.	Evonik Corporation	Feedstuffs	United Soybean Board
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## Silver

Aviagen Inc.	Cobb-Vantress Inc.	Southern Poultry Science Society (SPSS)	Vetagro Inc.
BioResource International Inc.	Jebo Nutrition Inc.		

## Bronze

Arm & Hammer Animal & Food Production	Fieldale Farms Corporation	Kerry	Sanderson Farms Inc.
BioMatrix International	Frontiers in Animal Science	Micronutrients	United Animal Health
Biomim America Inc.	Hendrix Genetics	Mosaic Feed Ingredients	
Elsevier	Hy-Line International	Phibro Animal Health Corporation	
	Kemin		

## Symposium

Ab E Discovery LLC	CJ Bio America	Phibro Animal Health Corporation	WPSA – USA Branch
Adisseo USA Inc.	Evonik Corporation	Dr. Bogdan Slominski	
ADM Alliance Nutrition	IFF-Danisco Animal Nutrition	WPSA – Canada Branch	
Canadian Bio-Systems	Jebo Nutrition Inc.		

## Awards

Alltech Inc.	Aviagen Turkeys, Inc.	National Chicken Council	Tyson Foods Inc.
American Egg Board	Evonik Corporation	Novus International Inc.	United Egg Producers
American Feed Industry Association	Hy-Line International	Phibro Animal Health	USPOULTRY
	Maple Leaf Farms Inc.	Poultry Science Association	



# Communications & Marketing



**Sam Shafer**  
**Poultry Science Association**  
*Marketing Manager*

This was another exciting year for PSA's communications and marketing efforts. We continued to improve our monthly eNewsletter, PSA Postings by adding a new section: the Member Spotlights. Including these member-focused articles give our membership the opportunity to be showcased to the rest of the readership and enhance their network.

Lately, one of the biggest focuses for PSA's communications has been to create an original content library. This ever-growing resource features newly published and pertinent scientific research from the Association's journals as well as original webinars and video interviews. In 2021, PSA added two new Journal Author Resources to this library as well as an entirely new series of infographics: Lab to Farm. The latter conveying scientific research in a visual way. All of these resources and more are available through the PSA website and linked below.

We also continue to make improvements to PSA's internal communications and organization. By maximizing the use of available technologies, the staff is able to work collaboratively and efficiently.

## PSA Postings Archive

All issues of the eNewsletter are available on the PSA website. Be sure to subscribe for the latest issue, distributed the second Wednesday of each month. All issues provide unique content along with special announcements.

[View Past Issues >>](#)

## Interpretive Summaries

These comprehensive reviews of research from *Poultry Science*<sup>®</sup> and *The Journal of Applied Poultry Research* give a condensed version of full articles along with results and what the research means for producers.

[View Interpretive Summaries >>](#)

## Lab to Farm

Similar to interpretive summaries, this resource breaks down the science, but in a visual way. These infographics are perfect for industry employees interested in learning the science, but in a quick and simplified way.

[View Infographics >>](#)

## Journal Author Resources

Requirements to submit a manuscript for consideration in *Poultry Science*<sup>®</sup> and *The Journal of Applied Poultry Research* have been simplified in these easy-to-follow resources. Each resource covers key takeaways for authors to consider when submitting a manuscript.

[View the Resources >>](#)

## *Poultry Science*<sup>®</sup>



[View Articles & Research >>](#)

## *JAPR*

(*The Journal of Applied Poultry Research*)

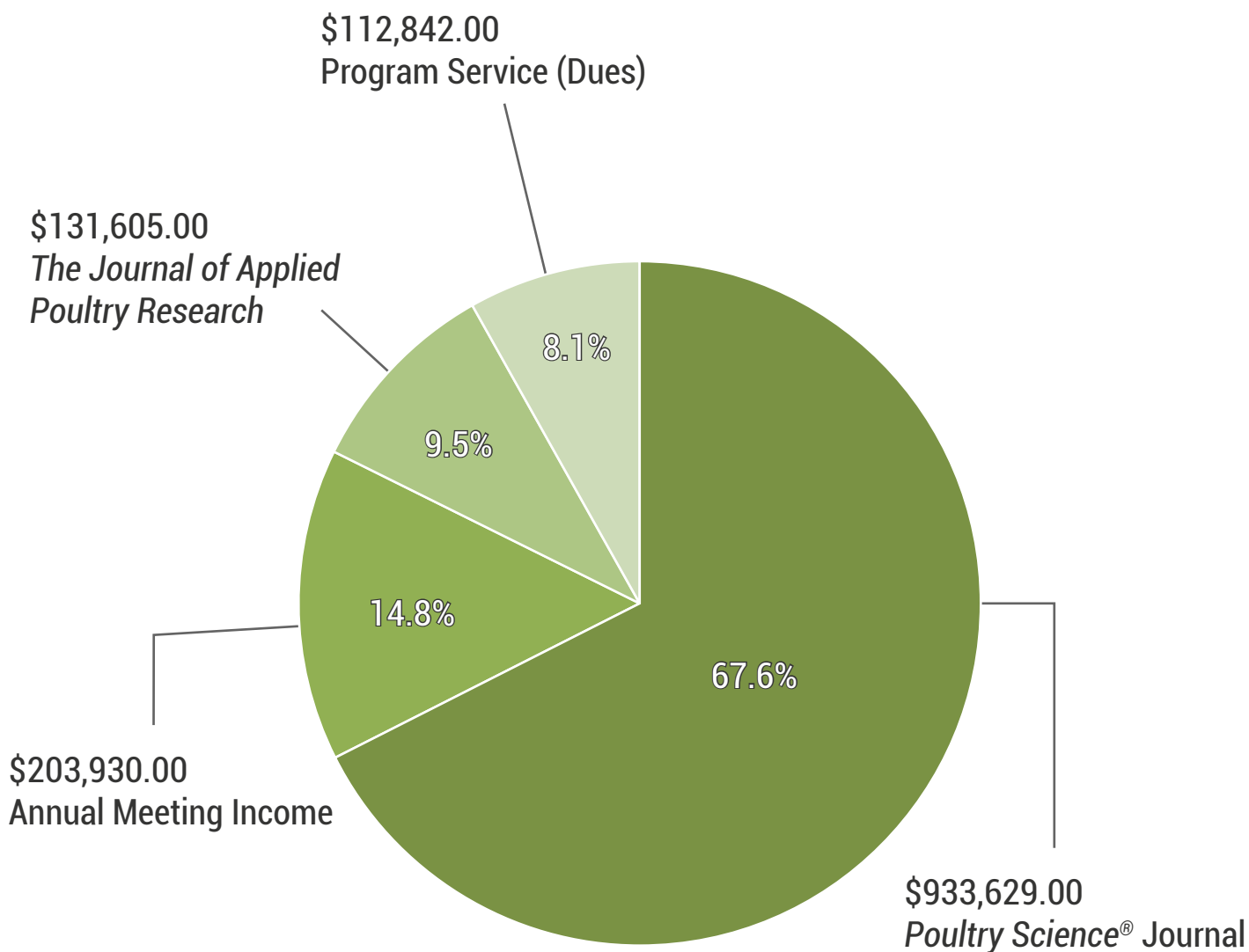


[View Articles & Research >>](#)



# Financial Data

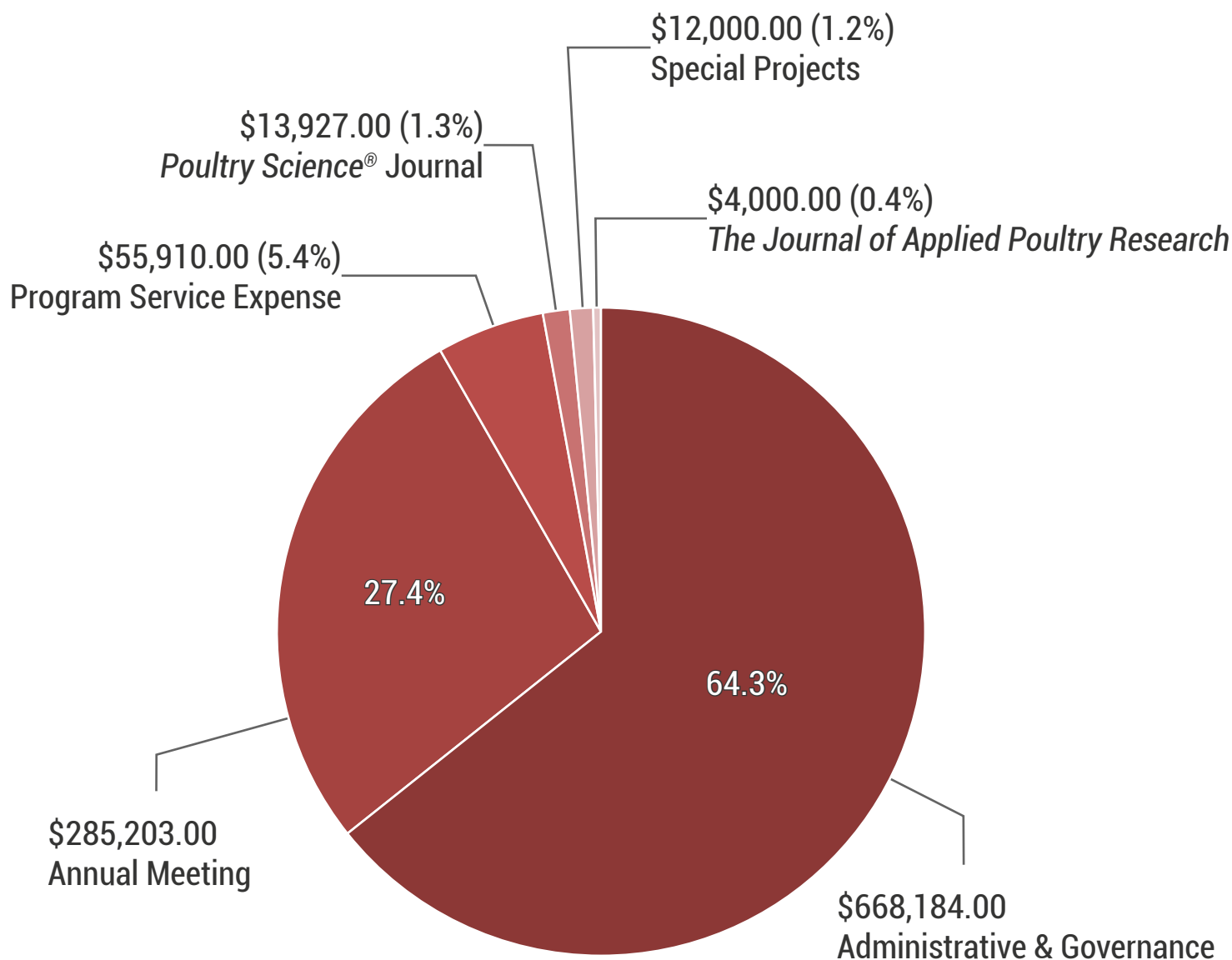
## 2021 Revenue



**Total Income: \$1,382,006.00**

# Financial Data

## 2021 Expense



**Total Expense: \$1,039,224.00**

# 2021 PSA Awards

## Fellows of the Poultry Science Association



**Richard Jeffrey Buhr**  
U.S. Department of Agriculture



**Alan L. Johnson**  
The Pennsylvania State University



**Douglas R. Korver**  
University of Alberta



# 2021 PSA Awards

## Nominated Award Recipients



**Xi Huang**  
Huazhong Agricultural University  
American Egg Board  
Research Award



**Sergio Vieira**  
Universidade Federal do Rio Grande do Sul  
American Feed Industry Association  
Poultry Nutrition Research Award



**Lisa R. Bielke**  
The Ohio State University  
Evonik Award for Achievement  
in Poultry Science



**Gregory Archer**  
Texas A&M University  
Maple Leaf Farms  
Duck Research Award



**Michael T. Kidd**  
University of Arkansas  
National Chicken Council  
Broiler Research Award



**Andrew P. Benson**  
University of Georgia  
Novus International  
Teaching Award



**Edgar Oviedo-Rondon**  
North Carolina State University  
Phibro Extension  
Award



**Dianna V. Bourassa**  
Auburn University  
PSA Early Achievement  
Award for Extension



**Vivek Kuttappan**  
Novus, International  
PSA Early Achievement  
Award for Industry



**Jessica Fife**  
University of Georgia  
PSA Student  
Recruitment Award



**Lorraine Fuller**  
University of Georgia  
Tyson Foods Inc.  
Support Personnel Award



**Roselina Angel**  
University of Maryland  
USPOULTRY Distinguished Poultry  
Industry Career Award



**George Hall**  
University of Guelph  
Alltech Student Research  
Manuscript Award



**Joshua Cassar**  
The Pennsylvania State University  
Maurice Stein  
Fellowship Award

# 2021 PSA Awards Student Competition

## Certificate of Excellence Recipients

**Lesleigh Beer**  
*University of Arkansas*

**Mukti Barua**  
*Massey University*

**Susan Bonilla**  
*Auburn University*

**Lindsey Broadus**  
*University of California, Davis*

**Sunoh Che**  
*University of Guelph*

**Logan Erb**  
*Pennsylvania State University*

**Taiwo Erinle**  
*Dalhousie University*

**Hannah Facey**  
*University of Guelph*

**Torey Fischer**  
*Michigan State University*

**Renee Garant**  
*University of Guelph*

**Qianru Hui**  
*University of Manitoba*

**Maryann Khong**  
*University of Maryland*

**Minjeong Kim**  
*University of Tennessee*

**Alyssa Lyons**  
*The Pennsylvania State University*

**Chirantana Mathkari**  
*University of Maryland*

**Clay Maynard**  
*University of Arkansas*

**Samson Oladokun**  
*Dalhousie University*

**Amrit Pal**  
*Auburn University*

**Claire Peichel**  
*University of Minnesota*

**Dalton Piotter**  
*University of Minnesota*

**Courtney Poholsky**  
*The Pennsylvania State University*

**Sabin Poudel**  
*Mississippi State University*

**Fozol Ovi**  
*Mississippi State University*

**Gustavo Quintana-Ospina**  
*North Carolina State University*

**Alison Ramser**  
*University of Arkansas*

**Montana Riggs**  
*Auburn University*

**Milan Sharma**  
*University of Georgia*

**Aftab Siddique**  
*Auburn University*

**Sarah Struthers**  
*University of Edinburgh  
Scotland's Rural College*

**Kelly Sweeney**  
*University of Georgia*

**Yuguo Tompkins**  
*University of Georgia*

**Lauren Vaccaro**  
*University of Georgia*

## Student Competition Awards



**Claire Peichel**  
*University of Minnesota*  
Aviagen Turkeys  
Communications Award



**Courtney Poholsky**  
*The Pennsylvania State University*  
Aviagen Turkeys  
Communications Award



**Sunoh Che**  
*University of Guelph*  
Hy-Line International  
Genetics & Genomics Award



**Qianru Hui**  
*University of Manitoba*  
Hy-Line International  
Genetics & Genomics Award