President’s Message: Lauren Jackson, Ph.D.

It is truly and honor and privilege to serve as Phi Tau Sigma President as the Society enters its 70th year as THE Honor Society for Food Science Technology. Our Society would not be the success it is today without the dedication of many volunteers who spend countless hours serving on Society committees and as Society Board of Directors, recruiting new members, developing and sponsoring awards and scholarships, and creating value-added programs and events for our members. I would like to personally thank my colleagues who served chairs of standing committees over the past year: Dr. Lili He, Awards; Dr. Terri Boylston, Chapter Affairs; Dr. Rick Falkenberg, Constitution and Bylaws; Dr. Kantha Shelke, Finance; Dr. Elizabeth Grasso-Kelley, Membership and Qualifications; Dr. Kathy Kotula, Communications; Dr. Adam Baker, Development; Dr. Liz Boyle, Nominations and Elections. Thanks to everyone who served on ad hoc Committees: Dr. Denny Heldman, Audit; Dr. Kantha Shelke, Strategic Relations, Internship Organization Committee; Halek Mehta, M.S. (Ph.D. student), Student Relations; Dr. Kathiravan Krishnamurthy, Website/Wikipedia; Dr. Navam Hettiarachchy, Membership Recruitment and Retention; and Dr. Liz Boyle, Future Directions. A special note of thanks goes out Kantha Shelke, Treasurer, who spends considerable efforts in ensuring that the Society finances are in order, and to Dr. Daryl Lund for his work as Assistant Treasurer and as Phi Tau Sigma Liaison to IFT. A special note of appreciation goes to Dr. Rodrigo Tarté for his exceptional leadership as President of Phi Tau Sigma and for serving to mentor me during my time as President-Elect. Finally, I would like to provide my sincerest thanks to Dr. Kathy Kotula, for her hard work and exceptional efforts as Executive Director of Phi Tau Sigma and as Society Newsletter Editor.

The past year was an exceptional one for Phi Tau Sigma. We had several well-attended student events: the 2022 Speedy Science held virtually on March 22, 2022, and the Phi Tau Sigma Lightening Talks, held virtually on February 10 and June 9, 2022. Many thanks to the University of Minnesota Chapter of Phi Tau Sigma and the Student Relations Committee for sponsoring these opportunities for students to present their research to colleagues. In 2022, the Catherine Adams Hutt, Ph.D., R.D. and Peter Barton Hutt, LL.B., LL.M. Food Regulation Scholarship of Phi Tau Sigma, was created and awarded for the first time. This new scholarship is awarded to a student Member of Phi Tau Sigma who has shown exceptional scholastic achievement, a dedication to Phi Tau Sigma, and a strong
documentable interest in food regulation. We also had an outstanding and well-attended virtual awards ceremony on July 7, 2022, that recognized all Phi Tau Sigma awards and scholarship recipients. I’d like to congratulate the members of the Awards Committee, led by Chair Dr. Lili He, and members of the Program especially Dr. Anna Hayes, Yiwen Li (Ph.D. candidate) and Dr. Kaavya Rathnakumar, for putting this excellent program together. We also had an outstanding Networking Dinner (sponsored by Hawkins, Inc.) on July 12, 2022, that provided opportunity for our members to get together and “catch up”.

I look forward to working with you during my term as President of Phi Tau Sigma. This is a great time to become more involved in our Society, promote our Society to potential new members, and to develop new initiatives aimed at advancing membership value. Please do not hesitate in contacting me (Lauren.Jackson@fda.hhs.gov) if you have any suggestions or ideas for advancing Phi Tau Sigma.

**About your Phi Tau Sigma President:**

Lauren Jackson, Ph.D. a Lifetime Member of Phi Tau Sigma, received her B.S. in Food Science from Cornell University (1984) and her M.S. (1987) and Ph.D. (1990), both in Food Science, from the University of Wisconsin-Madison. Currently, she is Chief of the Process Engineering Branch at the U.S. Food and Drug Administration (FDA)/Center for Food Safety and Applied Nutrition (CFSAN)/Division of Food Processing Science and Technology (DFPST), located in Bedford Park, IL. In her current position, Lauren provides managerial leadership, program direction and general oversight to 10 research scientists. She is also responsible for initiating, leading and conducting research projects dealing with processing and its effects on food safety. Lauren’s expertise is in the following areas: the effects of processing on food constituents and chemical contaminants, food allergen control, the stability of biothreat agents, and the analysis of chemical contaminants, constituents and allergens in food. She also is one of FDA’s subject matter experts on measures for controlling allergens in food manufacturing facilities.

Lauren authored or co-authored over 150 published papers, book chapters and abstracts and co-edited five books. She is a recipient of a many prestigious awards including the CFSAN Excellence in Laboratory Science Award, the CFSAN Exceptional Achievement Award, and was elected Fellow of the American Chemical Society (ACS) in 2016, Fellow of IFT in 2019, and Fellow of the ACS Division of Agricultural and Food Chemistry in 2021.

Lauren served as Chair of the Phi Tau Sigma Membership Qualifications and Evaluations Committee in 2019–2021 and as Chair of the Program Committee in 2021-2022. Throughout her professional career, Lauren served IFT in many roles, most notably as Member-at-Large (2004-06) and Chair (2006-07) of the Toxicology and Safety Evaluation Division (TaSED), on the Workgroup/Taskforce on Divisions (2007-09), as a member and chair of the Annual Meeting Scientific Program Advisory Panel (2015-20), and on several IFT awards committees. She is also active in ACS and served as Program Chair/Chair of the Division of Agricultural and Food Chemistry of ACS (2012-13), on the Committee on Science
(2015-18) and currently serves as a Councilor and on the Committee on Divisional Activities. Currently, Lauren serves as a Scientific Editor for the *Journal of Food Protection* and as Associate Editor for *Comprehensive Reviews in Food Science and Food Safety*.

Lauren and her husband, Gerry, have two adult children, Amanda and Matthew. Lauren is an avid gardener and spends much of her spring and summer tending a 750 square foot vegetable garden that feeds her family as well as many of her friends and colleagues. In her spare time, Lauren enjoys cooking, reading, traveling, and visiting art museums and botanical gardens throughout the world. Her interest in gardening and agriculture has led to her collection of several hundred books from the 1500’s to modern times on agriculture, gardening, horticulture and plant science.

**News:**

**Growing Phi Tau Sigma**

(Contributed by the Member of Recruitment Retention *ad hoc* Committee: Navam Hettiarachchy, Ph.D., Chair, Amarat (Amy) Simonne, Ph.D., Co-Chair, Members: Kathryn L. Kotula, Ph.D., Daryl Lund, Ph.D., Terri Boylston, Ph.D., and Nishta Lukhmana, Ph.D., Rodrigo Tarté, Ph.D., Fatemeh Malekian, Ph.D., Ali Ubeiytogullari, Ph.D., and SuriyaPrakaash Lakshmibalasubramaniam, Ph.D.)

Each of us know colleagues who deserve recognition for their contributions to food science and technology. That recognition can come in the form of membership in The Honor Society of Food Science and Technology, Phi Tau Sigma. All it takes is nomination by two members. So, Phi Tau Sigma has launched an Every-Member-Get-a-Member campaign (EMGAM), and we need your help.

We will be emailing all members in early September with:
- a nomination forms ([http://www.phitasigma.org/value-membership/](http://www.phitasigma.org/value-membership/)), and
- the latest Newsletter (Phi Tau Sigma Newsletter September 2022).

Our goal is to grow the non-student membership by 40% by March 31, 2023. With your help, we can get this accomplished.

[Editor’s Note: Ready to start? The membership nomination form can be found at: [http://www.phitasigma.org/membership/](http://www.phitasigma.org/membership/)] Questions? Contact me.]

**Phi Tau Sigma Awards Ceremony:**

The Phi Tau Sigma Annual Meeting and Awards Ceremony was presented virtually on Thursday July 7, 2022.

The recording can be found at:
**Our website:** [http://www.phitasigma.org](http://www.phitasigma.org)

**Our LinkedIn page:** [https://www.linkedin.com/company/14565458](https://www.linkedin.com/company/14565458)
Our Youtube channel: https://www.youtube.com/channel/UCXhKd6IpZACIV-YL_y0gytA/

While you are visiting our social media, visit:
Our Facebook page: https://www.facebook.com/phitausigma

Post-Doctoral Research Scholar Position: NCSU

Dr. Deepti Salvi’s Lab at North Carolina State University is looking for a Post-Doctoral Research Scholar in the Department of Food, Bioprocessing and Nutrition Sciences. The research areas will be focused on the use of advanced thermal and non-thermal food processing technologies that will improve the quality, safety, and variety of food products. Please see the link below for more information. Contact Urvi Shah, M.S. (Ph.D. student) (ubshah@ncsu.edu) for any questions regarding this position.

Post-Doctoral Research Scholar Position at NCSU

Know your Leadership:

Phi Tau Sigma Executive Committee:

Lauren Jackson, Ph.D., President  lauren.jackson@fda.hhs.gov
Rodrigo Tarté, Ph.D., Past President  rtarte@iastate.edu
Terri Boylston, Ph.D., President Elect  tboylsto@iastate.edu
Kantha Shelke, Ph.D., Treasurer  kantha@corvusblue.net
dblund@wisc.edu
Kathryn L. Kotula, Ph.D., Executive Director  klkotula@msn.com

Phi Tau Sigma Directors:

2020-21 to 2022-23: Until August 31, 2023
Navagñana (Navam) Hettiarachchy, Ph.D.  nhettiar@uark.edu
Poulson Joseph, Ph.D.  poulonjoseph@gmail.com
Fanbin Kong, Ph.D.  fkong@uga.edu
Matthew (Matt) Taylor, Ph.D.  matt_taylor@tamu.edu

2021-22 to 2023-24: Until August 31, 2024
Terri Boylston, Ph.D.  tboylsto@iastate.edu
Stephen Campano, M.S.  steve.campano@hawkinsinc.com
Dennis R. Heldman, Ph.D.  heldman.20@osu.edu
Amarat (Amy) Simone, Ph.D.  asim@ufl.edu
Rick Falkenberg, Ph.D. - (to complete Terri Boylston’s term)  rick.falkenberg@outlook.com

2022-23 to 2024-25: Until August 31, 2025
Adam Baker, Ph.D.  bakeca22@gmail.com
Martha Cassens, M.S.  mcassens@achfood.com
Elizabeth M. Grasso-Kelley, Ph.D.  Elizabeth.grasso-kelley@fda.hhs.gov
Mary K. Schmidl, Ph.D.  mschmidl@umn.edu
2022 – 2023 Phi Tau Sigma Committees

Awards
“The Awards Committee shall develop appropriate awards programs to recognize distinguished scientists who have made substantial contributions to Food Science and Technology and its related disciplines. Awards programs shall also be developed to recognize promising younger scientists and students.” [Phi Tau Sigma ByLaws, Article XI, Section 1]

Elena Castell-Perez, Ph.D., Chair (ecastell@tamu.edu), Joan King, Ph.D., Chair Elect, Lili He, Ph.D., Past Chair, Yaguang (Sunny) Luo, Ph.D., Rotimi Aluko, Ph.D., Srinivas Janaswamy, Ph.D., Daphne Weikart (Ph.D. student), Navam Hettiarachchy, Ph.D., Paul Vijayakumar, Ph.D., Mindy Brashears, Ph.D., Ravi Chermala, M.S., Oluwatoyin Sangokunle, Ph.D., Ravirajsingh Jadeja, Ph.D., Catherine Cutter, Ph.D., Valentina Trinetta, Ph.D., Charles Onwulata, Ph.D., Jingsi Liu M.S. (Ph.D.student)

Chapter Affairs
“The Chapters Affairs Committee shall be responsible for the relationships between the SOCIETY and the Chapters” [Phi Tau Sigma Bylaws, Article XI, Section 2]

Lester Schonberger, Ph.D., Chair, (hlschon@vt.edu), Terri Boylston, Ph.D., Past Chair, Evelyn Watts, Ph.D., Emerson David Nolasco Guzman (Ph.D. student), Lily Yang, Ph.D., Urvi Shah, M.S. (Ph.D. student), Ellen Mendez Sosa, M.S. (Ph.D. student)

Constitution & Bylaws
“The Committee shall maintain continuing surveillance over the developments of any conflicts between the Constitution and the Bylaws. It shall review and make recommendations to the Executive Committee on all proposed amendments to the Constitution or Bylaws.” [Phi Tau Sigma Bylaws, Article XI, Section 3]

Rick Falkenberg, Ph.D., Chair (rick.falkenberg@outlook.com), Anand Mohan, Ph.D., Lida Rahimi Araghi, M.S. (Ph.D. Candidate), Ravirajsingh Jadeja, Ph.D., Manoj Sawale, M.S. (Ph.D. student), Chengchu Liu, Ph.D., Virginia Ng, M.S., Shankaralingam Pitchiah, M.S., Kenneth McMillin, Ph.D., Janet Collins, Ph.D., Fanbin Kong, Ph.D.

Finance
"The Finance Committee shall be responsible for managing the SOCIETY’S finances including preparing and submitting the budget.” [Phi Tau Sigma Bylaws, Article XI, Section 4]

Kantha Shelke, Ph.D., Chair and Treasurer (kantha@corvusblue.net), Daryl Lund, Ph.D., Assistant Treasurer, Kathryn L. Kotula, Ph.D., Liz Boyle, Ph.D., Rodrigo Tarté, Ph.D., Lauren Jackson, Ph.D., Terri Boylston, Ph.D., Peter Salmon, M.S., MBA

Membership Qualifications & Evaluations
“The Membership Qualifications & Evaluations Committee shall review all membership nominations for compliance with the SOCIETY’S requirements and shall recommend qualified candidates to the Executive Committee for induction into Phi Tau Sigma.” [Phi Tau Sigma Bylaws, Article XI, Section 5]

Elizabeth M. Grasso-Kelley, Ph.D., Chair (Elizabeth.grasso-kelly@fda.hhs.gov), Ogechukwu Tasie, Ph.D., Chair Elect, Lauren Jackson, Ph.D., Rick Falkenberg, Ph.D., Terri Boylston, Ph.D., Dojin Ryu, Ph.D., Aliyar Fouladkah, Ph.D., Nuria Acevedo, Ph.D., Rándol Rodríguez-Rosales, Ph.D., Rebecca Stayner, B.S., Shruti Sharma, Ph.D., Avinash Patel, Ph.D., Sofia Feng, Ph.D.
Communications
The Communications Committee is “comprised of 3 subcommittees: Newsletter, Social Media, and Website. In charge of the SOCIETY's Newsletter will be the Newsletter Editor. In charge of Social Media will be the Social Media Specialist. In charge of the Website will be the Webmaster. The work product of this committee shall serve as a source of information about the SOCIETY, its Members, and other news and information related to Food Science and Technology.” [Phi Tau Sigma Bylaws, Article XI, Section 7]
Kathryn Kotula, Ph.D., Editor-in-Chief, Chair (kkotula@msn.com), Claire Zoellner, Ph.D., Associate Editor and Social Media Specialist (cez23@cornell.edu), Kathiravan Krishnamurthy, Ph.D., Webmaster (kathiravan.rps@gmail.com); Anthony W. Kotula, Ph.D., Tianxi Yang, Ph.D., Tianlian Lin, Ph.D., Lida Rahimi Araghi, M.S. (Ph.D. Candidate), Minwei Xu, Ph.D., Avinash Patel, Ph.D., Kaavya.Rathnakumar, Ph.D., Ashwini Wagh, Ph.D., Ravi Tadapaneni, Ph.D., Samruddhi Jadhav, M.S., Damla Dag, Ph.D., Sonali Raghunath, M.S. (Ph.D. student), Emine Ozen, M.S. (Ph.D. student), Xinyue Fan, M.S., Lily Yang, Ph.D., Dajun Yu, Ph.D., Halak Mehta, Ph.D. student, Shruti Sharma, Ph.D.

Nominations & Elections
“The Nominations and Elections Committee shall solicit nominations for officers and At-Large Councilors, screen candidates and obtain written agreements from them to serve if elected, in time to meet the balloting deadlines.” [Phi Tau Sigma Bylaws, Article XI, Section 6]
Liz Boyle, Ph.D., Chair (lboyle@ksu.edu), Tom Aurand, Ph.D., Kasiviswanath Muthukumarappan, Ph.D., Nuria Acevedo, Ph.D., Amarat (Amy) Simonne, Ph.D., John Luchansky, Ph.D., Maria Plaza-Delestre, Ph.D., Herbert Stone, Ph.D.

Program
“The Program Committee shall be responsible for identifying and presenting appropriate programs to encourage the long-range professional growth of the SOCIETY. It shall be responsible for all activities at the Annual Meeting of both the SOCIETY and of the Institute of Food Technologists, other than the meeting of the Executive Committee. The committee may develop or assist in developing programs for smaller groups or members, such as: Chapters, regional meetings, symposia or scientific lectureships.” [Phi Tau Sigma Bylaws, Article XI, Section 8]
Terri Boylston, Ph.D., Chair, (tboylsto@iastate.edu), Lauren Jackson, Ph.D., Past Chair, Anna Hayes, Ph.D., Yiwen Li, Ph.D., Kaavya.Rathnakumar, Ph.D., Hossein Daryaei, Ph.D., Cordelia Selomulya, Ph.D., Kathiravan Krishnamurthy, Ph.D., Hosahalli Ramaswamy, Ph.D., Senay Simsek, Ph.D., Ivanett Barreto Concepción, B.S. (Ph.D. student), SuriyaPrakaash LakshmiBalasubramaniam, Ph.D., Susanne Talcott, Ph.D., Elizabeth Nguyen, M.S., Kathryn L. Kotula, Ph.D.

Development
Develop and implement strategies and mechanisms to raise long range funding to allow Phi Tau Sigma to be funded in perpetuity.
(Christopher) Adam Baker, Ph.D., Chair (bakeca22@gmail.com), Mary Schmidl, Ph.D., Daryl Lund, Ph.D., Ravi Tadapaneni, Ph.D., Yao Wen Huang, Ph.D., Lily Yang, Ph.D., Lauren Jackson, Ph.D., Susanne Talcott, Ph.D., Kathryn L. Kotula, Ph.D. ex officio

Phi Tau Sigma - AMSA Research with Impact Scholarship Selection Committee
Collect and evaluate the nominations for this scholarship, with the cooperation of the American Meat Science Association.
Kathryn Kotula, Ph.D., Chair (kkotula@msn.com), Liz Boyle, Ph.D., Russell Cross, Ph.D., Poulson Joseph, Ph.D., W. Benjy Mikel, Ph.D., Rodrigo Tarté, Ph.D., Parker Hall, Ph.D.
Audit
Audits, reviews, and reports on the Treasurer's records.
Denny Heldman, Ph.D., Chair, (heldman.20@osu.edu), Steve Campano, M.S., Past Chair, Rakesh Singh, Ph.D., Chair Elect, Mary Schmidl, Ph.D., H. Kenneth Johnson, M.S., Katheryn Parraga Estrada, Ph.D.

Ad Hoc Strategic Relations
Develop and recommend to the Executive Committee a prioritized strategic plan for long term financial stability and relationship building of Phi Tau Sigma.
Kantha Shelke, Ph.D., Chair and Past Chair, (kantha@corvusblue.net), Dongjun Zhao, Ph.D., Joshua Herring, Ph.D., Louise Wicker, Ph.D., Sara Gragg, Ph.D., Herbert Stone, Ph.D., Peter Salmon, M.S., MBA, Jorge Welti-Chanes, Ph.D., SuriyaPrakaash Lakshmi Balasubramaniam, Ph.D., Yaozhou (Sophie) Zhu, Ph.D., Zhongli Pan, Ph.D., Sonali Raghunath, M.S. (Ph.D. student)

Ad Hoc Student Relations
Develop and recommend to the Executive Committee a prioritized strategic plan for a long term relationship with IFTSA and Phi Tau Sigma and improve student relations/interactions with student members of Phi Tau Sigma. The recommended strategies may be implemented with Executive Committee approval.
Claire Zoellner, Ph.D., Chair, (cez23@cornell.edu), Halak Mehta, M.S. (Ph.D. student), Past Chair; John Luchansky, Ph.D., Leslie Loehr, M.S., Joe Regenstein, Ph.D., Kathryn Westfield, B.S., (Gabriel) Keith Harris, Ph.D., Urvi Shah, M.S. (Ph.D. student), Christina Wormald, M.S. (Ph.D. student), Xiaoyan (Dee) Tan, M.S., Rebecca Creasy, Ph.D., Sara Jarma Arroyo, M.S. (Ph.D. Candidate)

Ad hoc Internship Organization Committee
To organize and administer a program to advertise and link companies seeking interns with Phi Tau Sigma students seeking internships.
Kantha Shelke, Ph.D., Chair (kantha@corvusblue.net), Anton Angelich, B.S., M.B.A., Chair Elect, Ellen Bradley, B.S., Christina Dewitt, Ph.D., Purnendu C. Vasavada, Ph.D., Sarah Corwin (Ph.D. student), Chelsea Tyus, Ph.D., Milda Embuscado, Ph.D., Yaozhou (Sophie) Zhu, Ph.D., Natalie Haag, B.S., Shengyue Shan, M.S. (Ph.D. Candidate), Dajun Yu, Ph.D., Ivanett Barreto Concepción, Aurora Saulo, Ph.D., Sawali Navare, M.S. (Ph.D. student), Cassandra Maya, M.S. (Ph.D. student)

Ad hoc Future Directions Committee
To evaluate our relationship with professional societies, and determine our next steps into the future.
Connie Weaver, Ph.D., Chair, (weavercm@purdue.edu), Liz Boyle, Ph.D., Past Chair, Daryl Lund, Ph.D., Tom Aurand, Ph.D., Steve Campano, M.S., Denny Heldman, Ph.D., Lauren Jackson, Ph.D., Kathryn L. Kotula, Ph.D., Mary Schmidl, Ph.D., Rodrigo Tarté, Ph.D., Keith Belk, Ph.D., R. Paul Singh, Ph.D., V. M. Balasubramanian, Ph.D., Fred Breidt, Ph.D., Rolando Flores Galarza, Ph.D., Adam Friedlander, M.S., Terri Boylston, Ph.D., Ravirajsinh (Ravi) Jadeja, Adam Baker, Ph.D.

Ad hoc Membership Recruitment and Retention
To determine and implement methods to recruit and retain members.
Navagnana (Navam) Hettiarachchy, Ph.D., Chair, Past Chair, (nhettiar@uark.edu),
News: Phi Tau Sigma Sponsors 2022 IFTSA Undergraduate Research Competition  
(Contributed by Claire Zoellner, Ph.D., Chair of ad hoc Student Relations Committee)

The mission of Phi Tau Sigma is to raise the stature of the Food Science and Technology profession by recognizing outstanding achievements of Food Science students and professionals and enhancing professional development among Food Science professionals through the Phi Tau Sigma member network. Towards that mission, the ad hoc Student Relations Committee works hard to promote student member research, activities, and community. For a second year, Phi Tau Sigma provided sponsorship and volunteer judges for the IFTSA Undergraduate Research Competition. Designed to showcase outstanding research at the undergraduate level, this competition gives students engaged in independent research an opportunity to present their work at the IFT Annual Event. Finalists are awarded a travel stipend for the annual meeting and prize money is given to the top three researchers: First place, $1000; Second place, $750; and Third place, $500.

This year's winner was Hannah Jones, Cornell University, for her research on the Design of In-Mouth Dissolving and Skim Milk Powder-containing Baby Puffs.

Second and third place prizes went to Natalia Brenes-Fernandez, University of Costa Rica; and Tomer Hatzir, Tel Hai College, respectively. Honorable Mentions went to Elvis Garcia Jr, California Polytechnic State University, Pomona; Kanon Kobata, University of Massachusetts-Amherst; and Christianne Yapor, California Polytechnic State University, Pomona.

Congratulations to these research finalists and winners! We wish all undergraduate researchers many more years of challenging, enlightening, and innovative research! If you would like to feature your research in the monthly Newsletter, please send your synopsis to Claire at cez23@cornell.edu.

Calendar:

->Phi Tau Sigma Scholarship and Awards Schedule:
   November 30: Deadline to submit nominations to the Awards Committee for the Dr. Daryl B. and Mrs. Dawn L. Lund Student International Scholarship.
   February 1: Deadline to submit nominations to the Awards Committee for the Phi Tau Sigma Special Recognition Award, the Phi Tau Sigma Student Achievement Scholarship, the Dr. Gideon “Guy” Livingston
April 1: Deadline to submit nominations to the Awards Committee for the Phi Tau Sigma Outstanding Chapter of the Year Award.

Send completed nomination forms to both Awards Committee Chair Elena Castell-Perez, Ph.D., Chair (ecastell@tamu.edu) and Executive Director Kathryn L. Kotula, Ph.D. (klkotula@msn.com). (More information: http://www.phitausigma.org/awards/)

->Phi Tau Sigma – AMSA ‘Research with Impact’ Scholarship Schedule:
April 19: Deadline to submit nominations for the Phi Tau Sigma – AMSA Research with Impact Scholarship.

Send completed nomination forms to Executive Director Kathryn L. Kotula, Ph.D. (klkotula@msn.com), and the AMSA Youth Programs Manager (scholarships@meatscience.org). (More information: http://www.phitausigma.org/awards/)

->January 14: Deadline to submit Nominations for the Dr. Carl R. Fellers Award, and other IFT Achievement Awards.
(More information: https://www.ift.org/community/awards-and-recognition/achievement-awards)

->Phi Tau Sigma Chapter Schedule:
October 25: Deadline to order Honor Cords and lapel pins to ensure delivery before Fall graduation dates
March 15: Deadline for membership nominations to ensure decisions from the Membership and Qualifications Committee before the Annual Meeting
April 1: Deadline to order Honor Cords and lapel pins to ensure delivery before Spring graduation dates
August 1: Deadline for Chapter annual reports

Reminder to all Chapters: In order to receive the Certificate of Merit or Certificate of Excellence, Chapters must submit their annual reports for evaluation by August 1. Please send your annual report to the current Chair of the Chapter Affairs Committee, Terri Boylston, Ph.D., (tboylsto@iastate.edu), with a copy to Dr. Kathryn L. Kotula (klkotula@msn.com).

->Election schedule:
December 15: Nominations due to Nomination and Election Committee (Liz Boyle, Ph.D., Chair, lboyle@ksu.edu)
January 2: Nominations and Elections Committee convenes
January 21: Deadline for Nomination and Elections Committee to submit slate of candidates to President
February 5: Last date on which nominations by petition may be submitted
March 2: List of candidates will be emailed to the Members for balloting
March 30: Deadline for casting ballots
April 8: Deadline for tabulation of ballots
May: Newly elected individuals announced to the Membership in the May Phi Tau Sigma Newsletter
**Phi Tau Sigma Annual Meetings and Events: 2023** (dates to be determined)
- July: Phi Tau Sigma Awards Ceremony (virtual)
- July: Phi Tau Sigma Networking Dinner

**July 16-19, 2023, Institute of Food Technologists Annual Meeting, Chicago, IL**

**June 25-28, 2023 - Reciprocal Meat Conference of the AMSA, St. Paul, Minnesota**

**Student Research Synopsis: [YOUR RESEARCH HERE]**
(Contributed by Claire Zoellner, Ph.D., Associate Newsletter Editor)

--- Calling all student researchers to share your research in the newsletter! ---

As the purpose of our Honor Society includes recognition of professional achievements, encouragement of the application of scientific principles to food science and technology and the establishment of a professional network, the monthly Newsletter serves to connect all members under this mission. The Newsletter always includes information from Leadership and Committees regarding news, important dates and upcoming events. Some of the special features of the Newsletter include Careers, Lifetime Member Tribute, Chapter News, History and others to highlight our colleagues. The Student Research feature article is a great opportunity to strengthen the connection between students and the professional field, while highlighting achievements of our members. All B.S., M.S. and Ph.D. research related to the field of food science and technology is welcomed and encouraged. Please find submission information below and spread the word to respective Chapter members.

Instructions for Preparation of Articles:
1. The contributing student must be a Phi Tau Sigma Member in good standing (having paid their dues) working towards a degree in food science or related field.
2. Research must be written in clear and correct English and may be sent to Claire Zoellner, Ph.D. (cez23@cornell.edu).
3. Articles should include all authors and should be approved by all authors.
4. The article should be limited to 1-1.5 pages (Verdana 10 font) and include citations for any references mentioned.
5. Synopses must report original research based on accepted scientific practices. Research that has been published in peer reviewed journals is acceptable and preferred.
6. A figure or table and photo of the author(s) are encouraged.
7. The synopsis should include the following:

   **Title, authors and affiliations**
   *Journal reference (if applicable)*

   **Introduction:** background, problem statement, justification for study
   **Purpose:** objectives and/or hypothesis of study
   **Methods:** statement of methods used, specific enough to understand the design, approach and analysis
   **Results:** describe the results obtained in the study with statistical analysis (if appropriate) and (1) table or graphic
   **Significance:** state/discuss the significance and potential uses of findings
   **References:** list of references cited
Lifetime Member Tribute: Ali Ubeyitogullari, Ph.D.
Assistant Professor, University of Arkansas Division of Agriculture

Why did you become a Lifetime Member?
As an early-career faculty, it is very critical to build a national/international network for research collaboration. Therefore, I became a Lifetime Member to connect with the food science professional leaders from academia, industry, and government. I learned more about Phi Tau Sigma when I won the 1st place at the IFT Carbohydrate Division Graduate Student Research Paper Competition in 2016, where Phi Tau Sigma gave me the determination and inspired me to continue and grow in the science of food profession. Shortly after becoming a Lifetime Member of Phi Tau Sigma, I met new motivated professionals and developed research ideas to advance the science of food and find solutions to global issues. I aspire to share my experiences and knowledge, and also continue to contribute to the already excellent scientific community in food science.

Education:
University of Nebraska-Lincoln Food Science & Technology Ph.D. 2018
Middle East Technical University, Turkey Food Engineering M.S. 2014
Middle East Technical University, Turkey Food Engineering B.S. 2012

Experience/Accomplishments:
Assistant Professor, Department of Food Science and Department of Biological & Agricultural Engineering, University of Arkansas, Fayetteville, AR. 2020-present.
Postdoctoral Researcher, Department of Food Science, Cornell University, Ithaca, NY. 2019-2020.
Postdoctoral Researcher, Department of Food Science and Technology, University of Nebraska-Lincoln, Lincoln, NE. 2018-2019.
Research/Teaching Assistant, Department of Food Science and Technology, University of Nebraska-Lincoln, Lincoln, NE. 2015-2018.
Research/Teaching Assistant, Department of Food Engineering, Middle East Technical University, Ankara, Turkey. 2012-2014.

Areas of Expertise:
Food engineering, novel food processing technologies such as supercritical carbon dioxide technology and 3D food printing, nanoscale science and engineering, enhancing the bioavailability of bioactive compounds.

Awards and Honors (selected list):
- New Faculty Commendation for Teaching Commitment by the Wally Cordes Teaching and Faculty Support Center and University of Arkansas Teaching Academy, August 2021.
- IFT Emerging Leaders Network program, July 2021.
- Journal of Dairy Science, “Editor’s Choice” article (Production of high-purity phospholipid concentrate from buttermilk powder using ethanol-modified supercritical carbon dioxide) by the editor-in-chief, October 2020.
IFT Food Engineering Division Graduate Student Research Paper Competition Award (1st place), July 2018.
- The 2018 American Oil Chemists' Society (AOCS) Honored Student Award, May 2018.
- IFT Carbohydrate Division Graduate Student Research Paper Competition Award (1st place), July 2016.
- Eighteen peer-reviewed publications in prestigious journals and 23 conference presentations.

Personal: Family, Interests, Hobbies:
I like spending time outdoors. I enjoy hiking in the Ozark Mountains. Recently, I have started biking, and I enjoy biking on the Razorback Greenway trail that goes for 36 miles under the shades of beautiful trees along with bird sounds. I also like spending time in growing vegetables in our Lab Garden in the Food Science Department.

Advice to university students and career food scientists and technologists:
- Immerse yourself in your academic environment early in your program; conduct research in a faculty member's lab.
- Internships are invaluable experiences; try to get the most out of them.
- Experiences in academia/industry can help you plan your future career.
- Every person is different; do not compare yourself with your peers.
- I cannot stress enough the importance of having a wide professional network and supporting mentors that will guide you towards achieving your goals (Phi Tau Sigma is a great place for these!).
- Be flexible and open to opportunities.

What IAFP 2022 Got Right – A student’s perspective
(Contributed by: Urvi Shah, M.S., Ph.D. Candidate at North Carolina State University)

As a doctoral candidate in Food Science at North Carolina State University, I yearn for learning from outside the university as much as I do from all that my institute offers. I learned that presenting my research opened doors to gatherings of scientists and industry professionals and more. I am blessed to have Dr. Deepti Salvi as a supportive advisor who also helps defray my expenses so I can attend the scientific meetings.

Recently, in the first week of August, I had the opportunity of attending the Annual Meeting of the International Association for Food Protection (IAFP) in Pittsburgh, the city of bridges, to present my research on plasma-activated water. I learned that IAFP offered many opportunities to student volunteers, and I was fortunate to be selected as a student liaison for the newly developed Plant-based Alternative Products professional development group (PDG) by Dr. Yanyan Huang (ADM) and Dr. Aaron Pleitner (Impossible Foods).

Highlights of this meeting include:
- The inaugural meeting of Plant-based Alternative Products PDG had an unprecedented number attend from all over the world to help shape the future of alternative food products.
- Seeing our policymakers in person and learning about the latest on the regulatory front from Ms. Sandra Eskin (USDA) and Mr. Frank Yiannas (FDA) was the icing on the cake for me.
• Dr. Lucia Anelich (Anelich Consulting) did not hold back while delivering the prestigious Ivan Parkin lecture. With disturbing images of starvation, malnourishment, and animal poaching, she explained how food insecurity is at the heart of the dire situation prevailing in Africa and how hunger could cause another insurrection.

• It was a privilege to meet with passionate and knowledgeable professionals from around the world who came to share their perspectives on food safety and learn. My personal favorite was the symposium on Novel Food Safety Controls and especially, the presentation by Dr. Yanyan Huang emphasizing the need for risk assessment on a case-by-case basis for novel plant-based food products.

Students can get so much from scientific conferences. The learning and personal connections that await us at roundtables, symposia, and networking events cannot be compared to the trickle one gets from online social platforms. Volunteering takes it up by several notches, for it offers the opportunity to connect with experienced professionals, world-renowned experts, and new-comers all of whom enriched my experience and expanded my professional world.

I am extremely grateful to Phi Tau Sigma for sharing my story with the members and students who are considering attending IAFP 2023.

**Careers: Innovation Scientist, Beyond Meat**

Kaavya Rathnakumar, Ph.D.

**Introduction/Background:** I have a background in Food Process Engineering. I completed my master’s degree in Asian Institute of Technology, Thailand and my bachelors in Indian Institute of Food Processing Technology, India. I started my Ph.D. in Dairy and Food Science at South Dakota State University, where my research focused on sustainable solvent system to improve the extraction of the valuable dairy by-product stream and utilization of low value by-products to high value end-product. It’s transdisciplinary research focusing on process engineering, manufacturing, and chemistry. Upon finishing my Ph.D., I was offered the position
of post doc and director of the frozen dessert center at UW-Madison, where I was working with the industries to solve the problems in plant based frozen desserts in formulation and processing. This is how my career transformed from academia to food industry.

**Qualifications:** A bachelor's degree in Food science can start a career in the food industry as lab Tech, food tech and with experience and performance they can be promoted to the level of Scientist, Managers and so on. A person with advanced degree starts at a Scientist position works more on standardization, implementation, and management roles when they start their career.

**Positions:** Role in R&D - Technical Service, Product Development, Business Development, Process engineers in Pilot and Production scale

**Duties:** Understanding and extensive hands-on experience with the ability to think beyond standard methods, independently lead and reach conclusions, and clearly deliver results within the organization. Travel is likely required for most allied sector positions.

**Salaries:** Starting salaries depend in part on education and experience but are generally in the range of about $60,000 to $110,000 and can escalate accordingly

**Benefits:** Medical benefits; 401k; Paid time offs; Relocation bonuses, Employee Stocks

**Conclusion:** From my perspective, the food industry has a lot of opportunities, I moved to the food industry to work on real time applications and have been applying all my in-depth academic learnings and findings from research to real product development. Working in a fast-paced company and being a team lead, I had the opportunity learn and grow. I came out of my comfort zone, learned from mistakes, and improved my communication and leadership skills. I foresee a long-term growth in the food industry.

**Chapter News:**

**Lincoln Northeast High School Science Slam**

(contributed by Emerson Nolasco, M.S., Ph.D. student)

The University of Nebraska-Lincoln (UNL) Phi Tau Sigma Chapter in collaboration with the UNL Food Science and Technology (FDST) Department and Lincoln Northeast High School held a science slam on May 16, 2022 to engage high school students in the diverse research that is performed at college. The event benefited the high school students as they expand their scope of what Food Science and Technology studies. The event also presents an opportunity to graduate students to enhance important soft skills such as communication which are vital to showcase basic and applied science to the public.

Five presentations were showcased based on the graduate student’s research project and the high school students asked questions, gave feedback, and voted for the best presentations. The graduate student participants were awarded with travel grants from the UNL FDST Department to cover expenses of future conference travels. The presentation titles were:

• Rui Huang, M.S., Ph.D. student, “The Work of a Food Scientist: Aronia Berry as an Example”
• Prabhashis Bose, B.S., M.S. student, “Loss of Health-Beneficial Bioactive Components Over the Period of Maize Domestication”
• Liyun Zhang, M.S., Ph.D. Candidate, “Food Allergy”
• Emily Jundt, B.S., M.S. student, “Using Nitrogen Fertilizer to Increase Protein Content in Beans”

The students voted for the best presentation as followed:
1. Rui Huang, M.S., Ph.D. student
2. Emily Jundt, B.S., M.S. student
3. Emerson Nolasco, M.S., Ph.D. student

Students from Lincoln Northeast High School and UNL FSDT Department in the Food Science Slam. From left to right: Tracy Nguyen, Mrs. Kristin Skorupa, Bee Cruz-Mell, Selena Martinez, Bianca Perez, Emerson Nolasco, M.S., Ph.D. student, Emily Jundt, B.S., M.S. student, Prabhashis Bose, B.S., M.S. student, Liyun Zhang, M.S., Ph.D. Candidate, Rui Huang, M.S., Ph.D. student, and Ashley Newton, B.S., M.S. student.
How/Why I came to be in Food Science/Technology
Fergus Clydesdale, Ph.D., Distinguished Professor, Department of Food Science, University of Massachusetts Amherst

During high school I had a series of jobs, as a waiter, construction worker, etc. which had little bearing on a lifelong career.

Not having any idea of what I wanted to do I began my University career in Liberal Arts at the University of Toronto as I was interested in Chemistry, Biology, Philosophy and History and this choice gave me a taste of all of these.

I became more interested in Chemistry and became aware of the Food Chemistry major and focused on courses in this area which were fascinating.

After my B.A. I did an M.A. in Food Chemistry and one of my Profs had worked in Medical Research and had some contacts in the Defense Research Medical Labs (DRML) in Toronto. I was able to get a job there and worked on some fascinating projects. One of my mentors was Dr. John Beaton who left and went to the University of Western Ontario. He invited me to join him and continue on for my Ph.D. in biochemistry and Physiology.

In the meantime, during my M.A. one of the guest lectures we had was Dr. F.J. Francis of the Department of Food Science, UMass Amherst. Both he and the lecture were tremendously impressive and I was honored that he invited me to study with him for my Ph.D.

I had a job waiting for me at DRML in medical research but was offered a position at UMass after my Ph.D. which I accepted and I have been there since. It was the best career decision I have ever made. The University, Food Science/Technology, the students, staff and faculty were, and are, wonderful. Food Science/Technology is truly a perfect career as you conduct fascinating science with great colleagues and with the aim of helping people-it can’t get better than that!

We are pleased to have started this new series of articles in the Newsletter. Please share your story with us. Contact the Newsletter Editor at: klkotula@msn.com.

Dues Reminder:

Your dues status is listed in the cover email of this Newsletter. If you have not already paid your dues, Phi Tau Sigma Member dues are $40 per year, but students get a discount so their dues are $20 per year. Lifetime Membership is $400 (just once). Please access the Phi Tau Sigma Membership Dues Page at: http://www.phitausigma.org/membership-dues/. Proceed on to pay by PayPal. Be sure to include your address. Once you are successful with your PayPal payment, you will receive a receipt. If you do not receive a receipt, please try again.
Dues can also be paid by check payable to Phi Tau Sigma, (made with U.S. Funds and drawn on a U.S. Bank). (Do not send a money order.) Do not write the check to Kantha. Mail your check to: Kantha Shelke, Ph.D. (Do not address to Phi Tau Sigma.) 33 West Ontario, Suite 57F, Chicago, IL 60654. Send an email to Kantha to let her know to expect your check (kantha@corvusblue.net).

You are welcome at any time to give a donation to the Dr. Carl R. Fellers Award Fund, the Dr. Gideon “Guy” Livingston Scholarship Fund, Phi Tau Sigma Student Achievement Awards Fund, Phi Tau Sigma Special Recognition Award Fund, Dr. Daryl B. and Mrs. Dawn L. Lund Student International Scholarship Fund, Phi Tau Sigma Founders’ Scholarship, Phi Tau Sigma Chapter of the Year Award, the Phi Tau Sigma – AMSA ‘Research with Impact’ Scholarship Fund, the Program Fund, or the General Fund. http://phitausigma.org/store/ Scroll down to Donate and click the yellow Donate button.

We also ask each Chapter to send a list of their current, and lapsed, members along with contact information to the Chapter Affairs Committee Chair, Terri Boylston, Ph.D. at: tboylsto@iastate.edu, to help ensure our records are accurate.

Phi Tau Sigma Store:

Phi Tau Sigma has an online store. Items featured include Honor Cords, Official Lapel Pins, Banners (podium and wall/table), Annual and Lifetime Member dues, printed Certificates of Membership, and an opportunity to make tax deductible donations to Phi Tau Sigma. The Society Store can be found by going to www.phitausigma.org/store.

Support Phi Tau Sigma through AmazonSmile:

If you shop at Amazon, please register Phi Tau Sigma as your charity through AmazonSmile (https://smile.amazon.com/). There is also a mobile app that one can access. Instructions for the mobile app can be found at: https://www.amazon.com/b?ie=UTF8&node=15576745011.

The AmazonSmile Foundation will then donate 0.5% of the purchase price of eligible products to Phi Tau Sigma. This may not sound like a lot, but it adds up. Be sure to enter Amazon through AmazonSmile every time you shop (https://smile.amazon.com/). Thank you!
Editorial: It’s been a busy Summer!

Phi Tau Sigma Scholarship and Awards Honorees:

Radhika Bharathi, B. Tech.
University of Minnesota
Dr. Daryl B. and Mrs. Dawn L. Lund
Student International Travel Scholarship
Sponsored by Kalsec®

Cierra James, M.S.
Virginia Tech University
Phi Tau Sigma Student Achievement Scholarship
Sponsored by Dr. Rakesh K. Singh
Sonali Raghunath, M.S.,
(Ph.D. Candidate)
University of Minnesota
Phi Tau Sigma Student
Achievement Scholarship
Sponsored by Peter M. Salmon, M.S., MBA

Yiwen Li, Ph.D.
University of Georgia
Phi Tau Sigma Student
Achievement Scholarship
Sponsored by Phi Tau Sigma
Dajun Yu, Ph.D.
Virginia Tech University
**Dr. Gideon “Guy” Livingston Scholarship**
*Sponsored by Phi Tau Sigma*

Abigail P. Boyd, Ph.D.
Iowa State University
**Catherine Adams Hutt, Ph.D., RD and Peter Barton Hutt, LLB, LLM Food Regulation Scholarship**
*Sponsored by Catherine Adams Hutt, Ph.D., RD and Peter Barton Hutt, LLB, LLM*
Qing Jin, Ph.D.
Virginia Tech University
Phi Tau Sigma Founders’ Scholarship
Sponsored by Hawkins, Inc.

University of Minnesota Chapter
Phi Tau Sigma Outstanding Chapter of the Year
Sponsored by Phi Tau Sigma

[From left to right: Mary K. Schmidl, Ph.D. (Faculty Advisor); Gretchen Gustafson, M.S. (Vice President); Leslie Loehr, B.S. (President); Sonali Raghunath M.S. (Co-chair/Past President); Brigitta Yaputri, B.S. (Treasurer); and Priyanshi Chaturvedi, B.Tech (Social Media Chair). Not pictured is Sara Kleba, B.S. (Secretary).]
Jacob R. Tuell, Ph.D.
Purdue University
Phi Tau Sigma – AMSA
'Research with Impact' Scholarship
Sponsored by Hawkins, Inc.

Kathiravan Krishnamurthy, Ph.D.
Illinois Institute of Technology
Phi Tau Sigma Special Recognition Award
Sponsored by the
Phi Tau Sigma Development Committee
Dr. Purnendu C. Vasavada
University of Wisconsin – River Falls
Dr. Carl R. Fellers Award
Sponsored by Phi Tau Sigma

Watch the Awards Ceremony at:
Our website:  http://www.phitausigma.org
Our Youtube channel:  https://www.youtube.com/channel/UCXhKd6IpZACIV-YL_y0gytA/
Our LinkedIn page:  https://www.linkedin.com/company/14565458

Phi Tau Sigma Awards
**Phi Tau Sigma Networking Dinner:**
The first Annual Phi Tau Sigma Networking Dinner was held the evening of July 12, 2022. A wonderful time was had by all. Special thanks to Hawkins, Inc. for sponsoring the Dinner.

The group shot.

Kantha Shelke (Treasurer) addressing the group on behalf of Rodrigo Tarté (President) who had laryngitis that evening, and thanking Fritz Wagner of Hawkins, Inc. for their sponsorship and support.

Thank you! to Hawkins, Inc.

Other donors include:
Daryl Lund, Ph.D., Lauren Jackson, Ph.D., Dennis Heldman, Ph.D., Anonymous, Another Anonymous, Still another Anonymous, and One more Anonymous.
Karen Todd, Martha Cassens, Fritz Wagner, Rakesh Bholanath Ghosh, Rodrigo Tarté, Collette Kaster, Steve Campano, Kantha Shelke

Daryl Lund, Radhika Bharathi, Lauren Jackson, Kantha Shelke, Rodrigo Tarté
Iowa State University was well represented: Rodrigo Tarté, Abbey Boyd, Julia Nutter, Karin Cho

Martha Cassens, Jacob Tuell

Ijedimma Okafor, Ogechukwu Tasie, Jackie Beckley
Abbey Boyd, Karin Cho, Sean Baker, Yang Zhe (Nigel) Kang, Brigitta Yaputri, Leslie Loehr, Julia Nutter

Purnendu Vasavada, Rodrigo Tarté, Tommy Haufe, Karen Todd, Akhila Vasan, Valente Alvarez, Geoff Smithers
Career Fair Table at the Reciprocal Meat Conference of the American Meat Science Association

Conversations were had, pamphlets were distributed, and names of interested potential members were recorded. We look forward to completed nomination forms!

Why no pictures with visitors to the table? The table monitors were too busy answering questions to take photos.
About Phi Tau Sigma Communications:

The Phi Tau Sigma Communications Committee includes: Kathryn Kotula, Ph.D., Editor & Chair (kkotula@msn.com); Claire Zoellner, Ph.D., Associate Editor (cez23@cornell.edu); Kathiravan Krishnamurthy, Ph.D., Website Manager, (kathiravan.rps@gmail.com), Anthony W. Kotula, Ph.D., Member News Correspondent; Tianxi Yang, Ph.D., Research Co-Correspondent; Tiantian Lin, Ph.D., Research Co-Correspondent; Lida Rahimi Araghi, M.Sc.(Ph.D. Candidate); Minwei Xu, Ph.D.; Avinash Patel, Ph.D.; Kaavya Rathnakumar, Ph.D., Chapter News Correspondent; Ashwini Wagh, Ph.D.; Ravi Tadapaneni, Ph.D.; Samruddhi Jadhav, M.S., Careers Correspondent; Damla Dag, Ph.D.; Sonali Raghunath, M.S. (Ph.D. student), Social media Co-Correspondent; Emine Ozen, M.S. (Ph.D. student); Xinyue Fan, M.S.; Lily Yang, Ph.D., Social media Co-Correspondent; Dajun Yu, Ph.D.; Halak Mehta, Ph.D. student; Shruti Sharma, Ph.D.

Please be responsive to their inquiries for information for the Newsletter, which may also be shared on our social media sites, and our website.

Documents:

Phi Tau Sigma Documents can be found on our website at: www.phitasigma.org.

Phi Tau Sigma Membership Nominations

Phi Tau Sigma Scholarships and Awards Forms
http://www.phitasigma.org/awards/

Phi Tau Sigma Constitution and By-Laws
http://www.phitasigma.org/constitution/
http://www.phitasigma.org/bylaws/

Phi Tau Sigma Mentorship Program
http://www.phitasigma.org/mentorship/

Sponsors, Donors, and Contributing Partners:

Phi Tau Sigma accepts contributions and has a variety of available sponsorship opportunities, as well as the General fund and Program fund.

Phi Tau Sigma is a non-profit 501(c)(3) charitable organization, so your contributions are tax deductible to the extent provided by U.S. law.

Contributions may come from, but are not limited to, Corporations, Companies, Universities, Government agencies, Associations, Consultants, and individuals.

Contributions are appreciated in any amount, and can be made by way of the Phi Tau Sigma website (http://phitasigma.org/store/) Scroll down to Donate and click the yellow Donate button, or by going directly to PayPal https://www.paypal.com/donate?hosted_button_id=QTA7NUHUEEPP2). Contributions by
check (written from a US bank) can be made by sending to our Treasurer: Kantha Shelke, Ph.D., 33 West Ontario, Suite 57F, Chicago, IL 60654. Please write “Sponsorship”, “Donation”, “Contributing Partner”, etc. in the subject line. [A Sponsorship covers the cost of the honorarium and the administrative costs (PayPal, plaque, postage). A Donation covers only the cost of the honorarium. The Contributing Partners program is described below.]

Contributions of $500 or more will be recognized publicly by the Society at the annual meeting, on the Phi Tau Sigma website, in printed material associated with relevant programs and events, and in the monthly Phi Tau Sigma Newsletter. Endowments are also accepted.

Contribution opportunities are available for the Phi Tau Sigma Special Recognition Award, Phi Tau Sigma Student Achievement Award (up to 3 will be awarded), the Dr. Gideon “Guy” Livingston Scholarship Fund, the Phi Tau Sigma Founders’ Scholarship, the Dr. Daryl B. and Mrs. Dawn L. Lund Student International Scholarship Fund, and the Phi Tau Sigma Outstanding Chapter of the Year Award. Donations can be made towards the awards and scholarships listed above (on a ‘first come’ basis), as well as the Program fund (which includes the Phi Tau Sigma Awards Ceremony) and the General fund.

Phi Tau Sigma has a Contributing Partners Program with five levels of sponsorships as described below. The Contributing Partner receives all of the benefits in the previous levels, plus the addition of the benefit listed for that level. (http://www.phitausigma.org/sponsor/)

**Bronze ($5,000)**
- Company listing in the “Donors and Sponsors” section of the Phi Tau Sigma Newsletter.
- Recognition with company name on www.phitausigma.org.
- Prominent recognition at all major Phi Tau Sigma events.

**Silver ($10,000)**
- Bronze benefits.
- Posting your company’s job openings and internships in the Phi Tau Sigma Newsletter.

**Gold ($15,000)**
- Silver benefits.
- Acknowledgement of sponsorship and placement of corporate logo on plaque or scholarship/award memorabilia.

**Platinum ($20,000)**
- Gold benefits.
- A press release associated with significant contributions, distributed to allied professional and trade associations for circulation to their membership via their publications, e-news and/or listservs.
- Complimentary access to student resume database.

**Diamond ($25,000)**
- Platinum benefits.
- Prominent multi-year listing on the Phi Tau Sigma website as a sponsor of an Endowed Program.

Some corporations will match individual contributions of their employees, so check with your company about matching funds.
For more information contact the Treasurer, Kantha Shelke, Ph.D. (kantha@corvusblue.net), or the Executive Director, Kathryn L. Kotula, Ph.D. (kkkotula@msn.com). Please write “Contribution” in the subject line.

2021-2022 Contributing Partners:

**Hawkins, Inc.** manufactures and distributes specialty chemicals and provides functional solutions for a wide variety of industries. The Food Ingredients Group is a leading manufacturer of innovative pathogen control technologies and ingredients for the food industry. The formation of Ingredient Works, an entity conceived to capitalize on expertise in functional ingredient applications, food industry knowledge, technical service, and an extensive product portfolio, is focused on the comprehensive science of shelf-life, providing customized solutions to both the common and the highly complex issues faced every day by food manufacturers. The ultimate goal for the Hawkins Food Ingredient Group is to re-define the concept of shelf life and become a complete solution provider to the food industry. (Contribution to sponsor the Phi Tau Sigma Founders’ Scholarship, and to sponsor the new Phi Tau Sigma – AMSA Research with Impact Scholarship and its endowment.) **Hawkins, Inc. is a Silver level Contributing Partner.**

**Dr. Daryl and Mrs. Dawn Lund.** Dr. Lund is past President of Phi Tau Sigma, Lifetime Member, past Treasurer, current Assistant Treasurer, and an Emeritus Professor, University of Wisconsin-Madison. (Contribution to endow the Dr. Daryl B. and Mrs. Dawn L. Lund Student International Travel Scholarship.) **The Lunds are a Platinum level Contributing Partner.**

**Catherine Adams Hutt, Ph.D., RD** and **Peter Barton Hutt, LL.B., LL.M.**, Phi Tau Sigma Lifetime Members. Catherine is a food safety and regulatory consultant and expert witness with RdR Solutions, and Peter is an attorney with Covington and Burling. Both are IFT Fellows. (Contribution for the Catherine Adams Hutt, Ph.D., R.D. and Peter Barton Hutt, LL.B., LL.M. Food Regulation Scholarship) **The Hutts are a Platinum level Contributing Partner.**

2021-2022 Sponsors and Donors:

**Dr. Fergus Clydesdale**, a Lifetime Member of Phi Tau Sigma, is the Distinguished Professor and Director of the UMass Food Science Policy Alliance, University of Massachusetts Amherst and a member of Phi Tau Sigma since the 1960’s. (Donation to the General Fund)

The **American Meat Science Association** (AMSA) works to cultivate a global community of professionals and students to discover, apply and communicate meat science and technology. An independent, objective, and credible voice for meat science and technology, AMSA is an organization recognized for its unmatched competence and commitment to attracting and developing meat industry leaders. We are an association that encourages our members' active participation and engagement, welcoming collaborative relationships with other groups and organizations.
Anthony W. Kotula, Ph.D., a Lifetime Member of Phi Tau Sigma, retired in 1992 as a Supervisory Food Technologist after 38 years of service at the Agricultural Research Service, USDA; 25 years of which were as the Leader of the Meat Science Research Laboratory. (Donation towards the endowment for the Phi Tau Sigma-AMSA ‘Research with Impact’ Scholarship)

Anonymous donation towards the endowment for the Phi Tau Sigma – AMSA ‘Research with Impact’ Scholarship.

Dr. Rakesh K. Singh is a Past President of Phi Tau Sigma, a Lifetime Member; and is a Professor in the Department of Food Science & Technology at the University of Georgia, where he was department head from 2001 to 2020. He is also a Fellow of IFT, Fellow of IAFoST, Fellow of National Academy of Agricultural Sciences of India, and Editor-in-Chief of LWT – Food Science and Technology. (Sponsorship of a Phi Tau Sigma Student Achievement Scholarship.)

William Benjy Mikel, Ph.D., a Phi Tau Sigma past President and a longtime Lifetime Member. (Recurring donation towards the endowment for the Phi Tau Sigma-AMSA ‘Research with Impact’ Scholarship)

Kalsec® is the leading global producer of natural spice and herb flavor extracts, natural colors, natural food protection solutions, and advanced hop products for the food and beverage industry. Our mission is to capture the best nature has to offer, allowing us to provide creative solutions to those who seek safer, healthier, more flavorful and more attractive foods, beverages and functional ingredients. Operating for more than 60 years as a family-owned company, Kalsec now covers over 70 countries, with headquarters in Kalamazoo, Michigan, and with facilities in the United States, Europe and Asia. For more information, visit www.kalsec.com. (Sponsorship of the Dr. Daryl B. and Mrs. Dawn L. Lund Student International Travel Scholarship.)

Peter M Salmon, M.S., MBA, a Lifetime Member of Phi Tau Sigma, is the Founder of International Food Network, Inc., currently retired. (Sponsorship of a Phi Tau Sigma Student Achievement Scholarship.)

Dr. Mary K. Schmidl is a Past President of the Institute of Food Technologists (IFT), a Lifetime Member and a past President of Phi Tau Sigma, the Past President of the International Union of Food Science and Technology (IUFoST), and Adjunct Professor, Department of Food Science and Nutrition, University of Minnesota.

Dr. Theodore P. Labuza is a Lifetime Member of Phi Tau Sigma, a Past President of the Institute of Food Technologists (IFT) and an Emeritus Morse Alumni Distinguished Teaching Professor of Food Science and Engineering, Department of Food Science and Nutrition, University of Minnesota.

Dr. Claire Zoellner, Food Safety Scientist at iFoodDS, Associate Newsletter Editor, past Phi Tau Sigma Director, and Past Chair of ad hoc Student Relations Committee. (Donation towards a Phi Tau Sigma Achievement Scholarship)
**Dr. Rodrigo Tarté**, a Lifetime Member of Phi Tau Sigma, and President of Phi Tau Sigma, is an Assistant Professor of Animal Science and of Food Science & Human Nutrition at Iowa State University, and President and President-Elect of Phi Tau Sigma. (Donation towards the endowment for the Phi Tau Sigma – AMSA ‘Research with Impact’ Scholarship.)

**Robert Cassens, Ph.D.**, Professor Emeritus, University of Wisconsin, and long-time member of AMSA; and **Martha Cassens, M.S.**, a long-time member of AMSA, a Lifetime Member and Director of Phi Tau Sigma, and Vice President of Product Innovation, Development & Quality at ACH Food Co. Inc. (Donation in honor of Dr. Anthony Kotula towards the endowment for the Phi Tau Sigma – AMSA ‘Research with Impact’ Scholarship.)

**Dr. John H. Litchfield**, a Lifetime Member of Phi Tau Sigma, is an Adjunct Professor of Food Science and Technology at The Ohio State University and a member of Phi Tau Sigma since the 1970’s. (Donation to the General Fund).

**Anonymous** donation towards an Achievement Scholarship.

**Anonymous** donation towards the endowment for the Phi Tau Sigma – AMSA ‘Research with Impact’ Scholarship.

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**Dr. Fergus Clydesdale,** a Lifetime Member of Phi Tau Sigma, is the Distinguished Professor and Director of the UMass Food Science Policy Alliance, University of Massachusetts Amherst and a member of Phi Tau Sigma since the 1960’s. (Donation to the General Fund)

**Dr. Mary K. Schmid** is a Lifetime Member, Past President, and currently serves as Director on the Board of Phi Tau Sigma. Mary is also a Past President of the Institute of Food Technologists (IFT), a Past President of the International Union of Food Science and Technology (IUFoST), and Adjunct Professor, Department of Food Science and Nutrition, University of Minnesota.

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