



The Honor Society of Food Science and Technology

Phi Tau Sigma Newsletter *December 2022*

News:

Reminders to Fall Graduates:

We would like to stay in touch with you even after you graduate and continue to bring you new opportunities for career growth and camaraderie. So, if you are graduating this fall, please fill out the Contact Information form found at <http://phitausigma.org/contact-information/> and send to Executive Director, Dr. Kathryn L. Kotula (klkotula@msn.com) to allow us to stay in touch.

Are you contributing to the EMGAM Campaign?

Phi Tau Sigma grows through membership. The Chapters are doing their part through student nomination. Here's your opportunity to participate in growth through the Every Member Get a Member (EMGAM) Campaign for Phi Tau Sigma. To facilitate nominating a colleague or someone you know who should be a member, go to <http://phitausigma.org/membership/> for the nomination form.

The leaders thus far in the EMGAM Campaign are: Halak Mehta, M.S. (Ph.D. student) and Claire Zoellner, Ph.D. Be a leader!

Updates to the Phi Tau Sigma Bylaws:

At the request of the Audit Committee, and with the assistance of the Constitution and Bylaws Committee, changes have been approved in the Phi Tau Sigma Bylaws by the Phi Tau Sigma Board of Directors to document the activities of the Audit Committee. (Additions are in green, subtractions are in red cross-out.) The full Bylaws can be found on the website at: <http://phitausigma.org/bylaws/>.

Article VI - Committees

Section 10. Audit

- A. The Audit Committee audits, reviews, and reports on the Treasurer's records **and administers the Conflict-of-Interest policy.**
- B. The Committee shall consist of not less than ~~three (3)~~ **five (5)** Members, at least one of which serves on both the Finance committee and Audit committee.

- C. The term of the outgoing Chair and Committee members shall extend beyond the fiscal year to the end of the calendar year so as to maintain continuity and allow for preparation and review of closing documents for the existing tax year, resulting in a 4-month period of overlap for new and outgoing members.

Article XII – Conflicts of Interest

- A. Whenever a Director, Officer and/or Key Person, as defined in the Phi Tau Sigma Conflict of Interest Policy, has a financial or personal interest in any matter coming before the Board of Directors, the affected person shall:
 - 1. Fully disclose the nature of the interest to the Chair of the Audit Committee and
 - 2. Withdraw from discussion, lobbying, and voting on the matter.
- B. Addressing a potential conflict of interest, including any transaction or vote involving a potential conflict of interest shall be conducted in accordance with the Phi Tau Sigma Conflict of Interest Policy guidelines and be approved only when a majority of disinterested Directors determine that it is in the best interest of Phi Tau Sigma to do so. The minutes of meetings at which such votes are taken shall record such disclosure, abstention and rationale for approval.
- B. Each Director, Officer or Key Person shall:
 - 1. Annually sign a statement which affirms such person has received a copy of the Conflict of Interest Policy,
 - 2. Has read and understands the policy,
 - 3. Has agreed to comply with the policy, and
 - 4. Understands that Phi Tau Sigma is a charitable entity and in order to maintain its federal tax exemption status, must engage primarily in activities which accomplish one or more of its tax-exempt purposes.

Where do Membership Dues go?

The short answer is that Phi Tau Sigma dues are used to keep our Honor Society running. Dues are highly important and the way all members can be active in our Society even if they do not have the time to volunteer for committees or other leadership positions. Thank you for paying your dues!

Student and professional annual dues, minus the PayPal costs, are put into the General Fund. This is used for such things as non-endowed scholarships and awards when we do not have an outside sponsor. Annual dues are also used for the survey to run the annual election, website costs, accounting software, office supplies, and tiny honoraria for the Executive Director, Newsletter Editor, and Assistant Newsletter Editor. Most societies and associations have paid full time staff - Phi Tau Sigma does not. We are all volunteers which keeps dues costs low compared with other associations. We are very thankful for the dedication of our volunteers. The General Fund has also been used to sponsor the honoraria for the IFT Student Association Undergraduate Research Competition in 2021 and 2022.

Lifetime Member dues are currently put into the General Endowment. The General Endowment is an investment account that is used as a nest egg to ensure the future of Phi

Tau Sigma. Additionally, there are specific endowments for the various scholarships and awards that are 'endowed', such as the Dr. Carl R. Fellers Award, the Dr. Gideon 'Guy' Livingston Scholarship, the Dr. Daryl B. and Mrs. Dawn L. Lund Student International Travel Scholarship, and the Phi Tau Sigma – AMSA 'Research with Impact' Scholarship. All are fully funded except the last. When we have outside sponsors for endowed scholarships, the endowment funds can grow faster, because they are not tapped that year.

While we are on the subject, the cost of the items in our Store are a mixture of the cost of the item to us, the PayPal fee, and the cost of postage. The retail cost is rounded up just a bit from these actual costs because this will then be added to the recovered cost of the item to provide the revenue needed to restock our Store items. Most of the Store items are packaged and mailed out by the Executive Director (Honor Cords, lapel pins, banners). The printed membership certificates are made and mailed by Dr. Mary Schmidl.

Phi Tau Sigma is part of AmazonSmile, where 0.5% of eligible purchases by people who have designated Phi Tau Sigma as their charity goes to Phi Tau Sigma. These funds, those received on Giving Tuesday, and any others designated for the General Fund are combined with dues to keep us running. We are appreciative of these donations.

We are very fortunate to have sponsors of a large number of our scholarships, and most recently our new annual Networking Dinner. (The price of each dinner was far higher than the ticket price because we wanted to keep the dinner very affordable to all.) We are very thankful for our sponsors. They not only ensure that the scholarships and awards can be given, and the dinner can be held, but help keep annual dues low.

If you would like to contribute financially to any aspect of Phi Tau Sigma's initiatives, please contact the Executive Director (klkotula@msn.com) who can discuss options with you. Contributing Partner information can be found at: <http://phitausigma.org/sponsor/> If you already know what you wish to contribute and how you want it used, go the Donate section of the Phi Tau Sigma Store: <http://phitausigma.org/store/>

Contributors, who agree to be listed, are at the end of every Newsletter if you would like to read the list. We are always very thankful for contributions, regardless of size.

[Editor's note: Thank you to the *ad hoc* Student Relations Committee for posing this question.]

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 Scholarship, the Phi Tau Sigma Founders' Scholarship, and the Food Regulation Scholarship.
- 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 15: 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/carl-r-fellers-award>)

->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, Lester Schonberger, Ph.D. (hlschon@vt.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

Lifetime Member Tribute: Shulan Xiao, M.S.

Ph.D. Candidate, Iowa State University

Why did you become a Lifetime Member? It was a great honor to be accepted into Phi Tau Sigma - The Honor Society of Food Science and Technology. Being a Lifetime Member in Phi Tau Sigma, I am able to connect with the members of this community. I can learn from the members from all walks of life and they share their expertise in their different experiences with me. I also am able to learn from their hardships and be motivated to finish my Ph.D. Through this community, I learned about current topics and can get up to date on the latest concerns relevant to food science. Once I joined this community, I did not want to leave!



Education:

1. Ph.D., Meat Science, Food Science and Technology, Iowa State University (2018-present)
2. M.S., Food Science and Engineering, Nanjing Agricultural University, China (2018)
3. B.S., Food Science and Engineering, Ji'ning University, China (2015)

Experience/Accomplishments:

1. Xiao, S., & Ahn, D. U. (2022). Enhanced lutein stability under UV-Light and high temperature by loading it into alginate-chitosan complex. *LWT-Food Science and Technology*, 113663.
2. Wu, H., Yin, J., Xiao, S., Richards, M. P., & Zhang, J. (2022). Quercetin as an inhibitor of hemoglobin-mediated lipid oxidation: mechanisms of action and use of molecular docking. *Food Chemistry*, 132473.
3. Wu, H., Xiao, S., Yin, J., Zhang, J., & Richards, M. P. (2020). Impact of lipid composition and muscle microstructure on myoglobin-mediated lipid oxidation in washed cod and pig muscle. *Food Chemistry*, 127729.
4. Wu, H., Xiao, S., Yin, J., Zhang, J., & Richards, M. P. (2020). Mechanisms involved in the inhibitory effects of free fatty acids on lipid peroxidation in turkey muscle. *Food Chemistry*, 128333.
5. Xiao, S., Zhuang, H., Zhou, G. and Zhang, J., (2018). Investigation of inhibition of lipid oxidation by L-carnosine using an oxidized-myoglobin-mediated washed fish muscle system. *LWT-Food Science and Technology*, 97, pp.703-710.

Areas of Expertise: Lipid oxidation, encapsulation, meat science

Awards and Honors (selected list):

- Iowa Poultry Association Scholarship, in Honor of Tom J. Zanios, Department of Animal Science, Iowa State University

Personal: Family, Interests, Hobbies: I like fishing, walking, and cooking together with my husband. It was a great joy to "educate" him how and why we should handle the food in a certain way in our kitchen. I also enjoy watching the latest action movies, especially Marvel movies.

Advice to university students and career food scientists and technologists: I am still figuring out my career path, but I will advise everyone to start early. Joining this community is a good start, as you can get more insight about food science from various experts and learn from each other while you exchange knowledge. I would also advise everyone to not give up. I am in my fifth year in my Ph.D. program and it has been tough. Members of this community have been encouraging and motivating me to keep going in my studies.

How/Why I came to be in Food Science/Technology

Dajun Yu, Ph.D. in Food Science and Technology from Virginia Tech

Food has always been one of the most important parts of my family. Whenever we had a family reunion during the holidays like Spring Festival or Mid-Autumn Festival, we would sit in a restaurant or at home with a wonderful dinner with at least 10 dishes. We enjoyed the great food and chatted together for hours.

One of the ways that my grandparents and parents showed their love was by cooking something delicious for me. My favorite dish is fried hairtail that my grandpa cooked for me every time I visited him. Once he finished cooking, he would always throw away the used oil and use new oil for the next time even though everyone tried their best to avoid wasting any foods at that time. He told me that it was unhealthy to use the oil repeatedly but without telling me the reason. There were lots of similar “health statements” popular not only in my family but also among people around me. For example, people should eat more green leafy vegetables and fruits because they are healthier than meats, fatty meat is not healthy, or adding too much oil or salt when cooking is unhealthy. I tried to ask why but was not able to get answers. Consequently, all these mysterious health statements motivated my curiosity about the science behind foods.



As I grew up, I started to understand more complex issues surrounding food. I was stunned by the reported food safety issues: 1) *2008 Chinese milk scandal* in which people used trace amounts of melamine in baby formula and made tens of thousands of infants sick; 2) Sudan Red dye egg in which people added cancer-causing Sudan Red to make the egg yolk red. Gradually, I realized there are lots of issues regarding foods even though food is so important and necessary to us. By that time, I had more motivation to become a scientist and help solve problems related to food. Moreover, my favorite course in both my junior high and high school is chemistry and the chemical lab. I got excited every time we had the chance to do exciting experiments and learn about the concepts behind them.

Carrying the curiosity on the science behind foods and the passion for chemistry, I chose food science and technology as my major. I started my undergraduate study at Jiangnan University in China. I knew I chose the right path because I enjoyed acquiring food science knowledge from the food science core courses and labs. My doubts about those mysterious health statements were eliminated one by one throughout my undergraduate study. In the last year of my undergraduate, I applied for the opportunity to study at UC Davis as an exchange student in the department of food science and technology. In addition to learning

in the classroom, I was eager to get hands-on experience in food-related experiments, to be closer to science. Therefore, I joined two labs at UC Davis and worked on facilitating the quality analysis of olive oil and the pH analysis of different soil samples. I appreciated these independent study opportunities because I realized I loved working in the food lab and working with science. I finally made up my mind that I was going graduate school to receive advanced education in food science.

After graduation from Jiangnan University, I worked in UC Davis Olive Center as an undergraduate research assistant for one year and then came to Virginia Tech to start my master's study in Food Science and Technology under the supervision of Dr. Haibo Huang and then continued my Ph.D. study in the same lab. I appreciated the educational opportunity my advisor and university provided to me, which helped me grow to be a food scientist with a diverse skillset in analytical chemistry and protein/fiber extraction and characterization. I will graduate this summer, and I have a determined career goal that I want to step into the food industry and use my expertise and passion to help solve real food problems. I look forward to continuing to grow as a food scientist and making contributions to the food science field.

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), and a scan of your check and envelop to Executive Director Kathryn Kotula, Ph.D. (klkotula@msn.com).

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, Lester Schonberger, Ph.D. at: hlschon@vt.edu, 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: Year-end tax-deductible contribution opportunity

As the end of the calendar year approaches, when you are looking for a tax-deductible contribution, and want to make a positive impact with your contribution, please consider Phi Tau Sigma.

Contributions can fall into four broad categories:

1. Contributing Partners (\$5000 and up)
2. Scholarship and Award supporter
3. Endowment contributor
4. General donations

All Contributing Partners, Sponsors, and Donors are listed in the Phi Tau Sigma Newsletter (monthly, 11 issues per year) from the time the funds are received until the next September. Multi-year donations are listed in the Newsletter in an uninterrupted fashion.

All Contributing Partners, and Sponsors and Donors are acknowledged and publicly thanked during Phi Tau Sigma Awards Ceremony.

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

HOW TO CONTRIBUTE:

Contributions are appreciated in any amount, and can be made by way of the Phi Tau Sigma website: <http://phitausigma.org/sponsor/>. Scroll down and click the yellow Donate button. Please choose the appropriate option from the drop-down menu, and on the PayPal screen, please fill in the "Add special Instructions to the seller" line.

Donations by check can be made by contacting: Treasurer Kantha Shelke, Ph.D. (kantha@corvusblue.net), 33 West Ontario, Suite 57F, Chicago, IL 60654. Please write "Donation" or "Sponsorship" in the subject line.

If you would like more information, or to talk about this in more detail, please send me an email (klkotula@msn.com). Put 'Phi Tau Sigma' in the subject line. We can 'talk' via email, or set up a phone call.

About Phi Tau Sigma Communications:

The Phi Tau Sigma Communications Committee includes: Kathryn Kotula, Ph.D., Editor & Chair (klkotula@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.phitausigma.org.

Phi Tau Sigma Membership Nominations

<http://phitausigma.org/wp-content/uploads/2021/07/Phi-Tau-Sigma-Nomination-2022.doc>

<http://phitausigma.org/wp-content/uploads/2021/07/Phi-Tau-Sigma-Nomination-2022.pdf>

Phi Tau Sigma Scholarships and Awards Forms

<http://www.phitausigma.org/awards/>

Phi Tau Sigma Constitution and By-Laws

<http://www.phitausigma.org/constitution/>

<http://www.phitausigma.org/bylaws/>

Phi Tau Sigma Mentorship Program

<http://www.phitausigma.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://phitausigma.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. (klkotula@msn.com). Please write "Contribution" in the subject line.

2022-2023 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.



Food Ingredients Group ⓘ

2022-2023 Sponsors and Donors:

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. Rakesh K. Singh is a Past President of Phi Tau Sigma, a Lifetime Member; and is a Professor and Graduate Coordinator 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.)

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. 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)

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)

Dr. Mary K. Schmidl 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.

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. Ted has been a member of Phi Tau Sigma since 1962.

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.)

Claire Zoellner, Ph.D., Food Safety Scientist at iFoodDS, is a Lifetime Member of Phi Tau Sigma and currently serves as the Associate Newsletter Editor, Chair of the Social Media Subcommittee, and the Chair of the ad hoc Student Relations Committee. (Donation towards the Phi Tau Sigma Outstanding Chapter of the Year Award).