



The Honor Society of Food Science and Technology

Phi Tau Sigma Newsletter March 2022

Reminders: Please be aware of the following Events and Deadlines:

March 2 to 30: **Phi Tau Sigma Election.** See balloting instructions, candidate slate and statements starting at the top of page 2.

March 15: Deadline to submit **new member nominations** for Chapters for Spring inductions to help ensure evaluation by the Membership and Qualifications Committee before the Annual Meeting. Send completed membership nominations to Kathryn L. Kotula, Ph.D., Executive Director klkotula@msn.com. All the forms and instructions needed for membership nominations can be found at the bottom of page: <http://phitausigma.org/membership/>
There are two versions of the nomination form – a writable pdf format and a Word format. Choose the format you prefer.
Please note that the membership nomination form has been updated, so please use the most recent form. Previous forms will not be accepted.
Hint: Read the Instructions that start on page 3 of the form before and after filling out the form.

March 22: Speedy Science. 4:30 to 6 pm central time. (See article on page 13 for details.)

April 1: Deadline to submit nominations to the Awards Committee for the **Phi Tau Sigma Outstanding Chapter of the Year Award**. Full information can be found at: <http://phitausigma.org/awards/>. Send appropriate portions of the completed award nomination forms to Lili He, Ph.D., Awards Committee Chair, at: lilihe@umass.edu, and/or the Executive Director (klkotula@msn.com). Read the instructions on the first page of the form for specific information.

April 19: Deadline to submit nominations for the **Phi Tau Sigma – AMSA ‘Research with Impact’ Scholarship**. Full information can be found at: <http://phitausigma.org/awards/>. Send completed award nomination forms to Phi Tau Sigma Executive Director (klkotula@msn.com) and the AMSA Youth Programs Manager (scholarships@meatscience.org). Read the instructions on the first page of the form for specific information. Please write “Phi Tau Sigma – AMSA Research with Impact Scholarship” in the subject line.

Two months before graduation: Order Honor Cords and Lapel pins in the Phi Tau Sigma Store at: <http://phitausigma.org/store/>

Election:

The slate of candidates running for office has been finalized by the Nominations and Elections Committee. Please read the **Election Topics** section below for information on each of these individuals, particularly the last paragraph of the statements which list what each candidate can do for Phi Tau Sigma. Secondly, you will also be asked to vote to ratify modifications to the Constitution. Thirdly, you will be asked to state your preferences for volunteering for a committee. Continue to scroll down through page 13 for all the details.

You will receive a ballot directly from "kkrishn2@iit.edu via SurveyMonkey <member@surveymonkyuser.com>" with the subject heading "Your Phi Tau Sigma 2022 Ballot." If you do not have this email by March 3, please check your spam trap or other filters. Notify Kathiravan Krishnamurthy, Ph.D. at kathiravan.rps@gmail.com only if you are a member in good standing (have paid your dues) and have not received a ballot by March 3rd. If you have opted-out of prior correspondence from Survey Monkey dot com, you must opt-in at www.surveymonkey.net/user/email-opt-in in order to vote in this election. You can stop mail surveys from this site anytime. Balloting will begin March 2 and conclude March 30, 2022.

Upon receipt of your ballot, you may vote from any computer using any common web browser. Once you submit your ballot via the web it cannot be changed and your ballot link will take you to the <http://phitausigma.org> website only. It cannot be used again.

The slate of 2022 candidates (listed alphabetically within office) is:

For President Elect: (vote for one)

Terri Bolyston, Ph.D.
Claire Zoellner, Ph.D.

Iowa State University
iFoodDS

For Directors: (vote for four)

Adam Baker, Ph.D.
Martha Cassens, M.S.
Rick Falkenberg, Ph.D.

University of Arkansas
ACH Food Companies, Inc.
Food Safety and Management Group, Inc., and
Scientific Air Solutions Full-Service Food Safety
and Microbiological Laboratory
Food and Drug Administration
University of Minnesota
Louisiana State University
University of Minnesota

Elizabeth Grasso-Kelly, Ph.D.
P. Kumar Mallikarjunan, Ph.D.
Ken McMillin, Ph.D.
Mary Schmidl, Ph.D.

Chapters, at this time, should be having their own elections for a member to serve on the Phi Tau Sigma **Advisory Council** at the national level. The Advisory Council assists the Executive Committee. They are non-voting observers with privilege of the floor, at the Annual Business Meeting of Phi Tau Sigma. They also serve as contact person to interact with the Executive Committee. Please send the results of your elections to the Chair of the Chapter Affairs Committee, Terri Boylston, Ph.D. at: tboylston@iastate.edu.

Election Topics:

The First Election Topic – Board of Directors

President Elect: (Vote for one)

Terri Boylston, Ph.D., a Lifetime Member of Phi Tau Sigma, is an Associate Professor and Interim Associate Chair in the Department of Food Science and Human Nutrition at Iowa State University. Prior to joining Iowa State University in 1999, she was a Research Food Scientist at USDA-Southern Regional Research Center (1988-1990), Assistant Professor at Washington State University (1990-1996), and Adjunct Professor at Texas Woman's University (1996-1998). She holds a B.S. degree in Food & Nutrition – Nutritional Sciences and a M.S. degree in Food Science from Iowa State University, and a Ph.D. in Food Science from Michigan State University. At Iowa State, she teaches a number of undergraduate and graduate courses, including *Food and the Consumer*, *Food Chemistry*, *Food Ingredient Interactions*, and *Integrated Food Science*. Her research area focuses on the flavor chemistry of foods and the impact of processing technologies on food quality. She has published 43 peer-reviewed journal articles, 12 book chapters, and 1 book. Her committee responsibilities at Iowa State include service on committees related to student learning, including chair of the Academic Standards and Admissions Committees for the University and College of Human Sciences, chair of the department Undergraduate Curriculum Committee and member of the Food Science and Technology Graduate Advisory Committee and Outcomes Assessment Committee. Her dedication to teaching has been recognized with the Career Achievement in Teaching Award from the College of Human Sciences.



As an active member of Phi Tau Sigma, Terri has served as President and Advisor to the Iowa State Chapter of Phi Tau Sigma, and is currently Chair of the Chapter Affairs Committee and a member of the Membership and Qualifications Committee. Among her service to IFT, she has served as Chair of the Education Division, the Iowa Section, Graduate Fellowship Jury, and Freshman-Sophomore Scholarship Jury. She has served as Editor of the *Journal of Food Quality* (2007-2016), a member of the Editorial Board of the *Journal of Food Science Education*, and is currently a member of the Editorial Board of the *Journal of Food Science*.

Vision for ΦΤΣ: I am honored to be nominated for President-Elect of Phi Tau Sigma. I became involved in Phi Tau Sigma when a few driven students asked me to sponsor the reactivation of the Iowa State Chapter, as they recognized the value of an honor society recognizing the accomplishments of students and professionals in Food Science and Technology. However, more important than the recognition of achievements is the opportunity for members of Phi Tau Sigma to develop leadership skills, engage in discussions with faculty and students related to current issues in Food Science, and develop a network with other professionals in Food Science. As Chair of the Chapter Affairs Committee, we continue to support the Chapters to develop these opportunities to engage

with the issues that we face as food scientists, both now and in the future. These opportunities are essential to the professional development of all members of Phi Tau Sigma, in academia, industry, and government. It is critical that we engage food scientists as members of Phi Tau Sigma throughout their career. I envision Phi Tau Sigma to be the Honor Society for all food scientists, regardless of the professional society they are affiliated with. I look forward to the opportunity to serve as President of Phi Tau Sigma to further the mission and vision of Phi Tau Sigma.

Claire Zoellner, Ph.D., Lifetime Member of Phi Tau Sigma, is a Food Safety Scientist at iFoodDS, using her expertise in microbial contamination, simulation models, and risk assessment to develop and deliver pragmatic, science-based software and decision support tools for the food industry. Prior to iFoodDS, Claire held a Postdoctoral Research appointment at Cornell University working on modeling tools to address the risk of Listeria contamination in frozen foods. She was recognized for this research with the 2020 Frozen Food Foundation Freezing Research Award and identified as an emerging leader in food science with IFT's 2019 Emerging Leaders Network Award. Claire earned a B.S. in Food Science and Human Nutrition from the University of Illinois Urbana-Champaign and a Ph.D. in Food Science and Technology with minors in Epidemiology and Systems Engineering from Cornell University. Since her induction into Phi Tau Sigma in 2013 at the Cornell Chapter, she has been active in her service to the organization and its members. She has completed two terms as a Director on the Board and is currently the Associate Editor of the Newsletter and Past Chair of the *ad hoc* Student Relations Committee.



Vision for ΦΤΣ: I have thoroughly enjoyed membership in and service to Phi Tau Sigma and am eager to continue working with you all in developing new avenues for continued outreach and connectivity among members. As a young industry professional and past chair of the *ad hoc* Student Relations Committee, I have been focused on making Phi Tau Sigma membership more valuable, not simply to increase membership in such a prestigious Honor Society, but more importantly to foster collaboration and mentorship within this rich body of food science experience and success. And have fun! The Society does not become prestigious by merely assembling members with great accomplishments; rather, it is in creating the connections and opportunities that lead to new ideas, engaging experiences, and radical achievements. I hope to continue my service to the Society as President from this perspective. Particularly, two strategic areas I'd like to continue working in are growing locally at University Chapters and connecting us all regionally, nationally, and internationally. We are at a unique time in which being connected is constantly at our fingertips, yet our members rarely come together. I'm inspired when I read about you all in the Newsletter and want to push us all to do more collectively to elevate the impact of our important work. Through our shared goal of fostering new achievements for the whole of food science, public health, and the environment, may we all bring honor to our profession.

Directors: (Vote for four)

Adam Baker, Ph.D., is a Lifetime Member of Phi Tau Sigma, and received his B.S. in Biology from the University of Arkansas-Fort Smith (2013), where he played collegiate baseball as an infielder. Adam went on to earn his M.S. in Food Science at the University of Arkansas (2015) and Ph.D. in Food Science at the University of Florida (2020). Currently, Adam is a Postdoctoral Researcher at the University of Arkansas and performs research on pathogen survival and transmission in food systems. Adam's passion for mentoring and teaching has continued to grow throughout his years in graduate school and postdoctoral studies.



During his time in academia, Adam has had the opportunity to have great mentors along the way, which ultimately led him to the Phi Tau Sigma Honor Society. He is the 2021-22 Chair of the Development Committee for Phi Tau Sigma. He is also involved with the International Association for Food Protection as well as the Arkansas Association for Food Protection in which he has helped organize and convene multiple symposia and served the Student Professional Development Group in various roles. Adam continues to gain grant writing experience with Dr. Kristen Gibson and has published over 20 peer-reviewed manuscripts.

Vision for ΦΤΣ: I am delighted to be considered for the role as a Director of Phi Tau Sigma. As I learn about leadership roles and volunteering through Phi Tau Sigma, I continue to be impressed with the members, and now mentors, that continue to lead the way. As an early career food scientist, my vision is to continuously find ways to enable students and early career professionals to become involved with and serve Phi Tau Sigma. These efforts will help food science and technology professionals gain experience in volunteering and leadership, which will foster the long-term health of Phi Tau Sigma for future generations.

Martha Cassens, M.S., Lifetime Member of Phi Tau Sigma, is a food industry professional with 30 plus years of research, quality assurance, and product / process / package development experience. She is a motivator, and leads people and projects with a passion for creativity, new technology and problem solving with extremely high standards for success. Martha is involved in many different activities which are all tied to the enhancement of the food industry. She is active in IFT, the American Meat Science Association (AMSA), Research Chefs Association (RCA) and Phi Tau Sigma. Martha has demonstrated her commitment to the industry in the following areas: Food Safety, Processing, Education, Nutrition, Sensory, Feeding Studies and Innovation. She earned her B.S. in Food Science, specializing in Meat and Processing, and her M.S. in Food Science, specializing in Nitrite and Frankfurters, both from the University of Illinois. Martha has previously been



employed by Vienna Sausage, ConAgra, Sara Lee, Hillshire Brands and is currently the Vice President, Product Innovation, Development & Quality of ACH Food Companies, Inc. in Illinois.

Vision for ΦΤΣ: The Phi Tau Sigma purpose is to recognize and honor professional achievements in food science and technology and to enhance the professional membership of food science. I believe that continued promotion and enhancement of Phi Tau Sigma is critical. We need to mentor young scientists, encourage smart scientists and learn from experienced scientists. This is made possible with our Honorary Society and its active members. Continuing education and the ability to be surrounded by sound scientists makes our organization special. We must speak up and engage in the changing world from a scientific standpoint. I have served as an At-Large Councillor/Director, on the Membership & Qualifications Committee, and on the Program planning committee for Phi Tau Sigma. I always look forward to meeting new members and connecting with friends. I will demonstrate and leverage my Industry knowledge, leadership skills, and passion for Phi Tau Sigma and the Food Industry.

Rick Falkenberg, Ph.D., is a Lifetime Member of Phi Tau Sigma, a Process Authority and Senior Principal Scientist, and the Founder/Managing Partner Food Safety and Management Group, Inc. He has also founded Scientific Air Solutions Full-Service Food Safety and Microbiological Laboratory consulting services.

Rick received his Ph.D. in Microbiology and Immunology from the University of California, San Diego further identifying the correlation between hexose-monophosphate shunt, glycolytic system and fermentation type in specific lactobacilli strains. Rick holds several patents, has authored several scientific articles in peer-reviewed journals as well as an expert content contributor to FDA, USDA-FSIS, CFIA and CODEX manufacturing operations.



Rick was the Process Authority, Senior Principal Scientist and MRM Category Technical Manager at Nestlé Nutrition R&D Center where he implemented platform wide strategies for thermal processing (aseptic, retort and hot fill) effectiveness, assessment of competencies and training. He was a member of a cross functional team with Purina Pet Food, St. Louis (sister company), developing formulations and ingredient functionality for older pets (dogs and cats) as well as developing advanced protein extruded products in conjunction with other CPGs. Some of his key contributions included spearheading microbiological validation via actual data collection as well as modeling studies for Human and Pet Foods for FSMA compliance also to assure a high degree of Food Safety. He served as the Subject Matter Expert for Advanced Protein Extrusion, Human/Pet Foods, Thermal Process Sterilization, Thermal Bacteriology globally for Nestlé Nutrition and Model HACCP development for Nestle Nutrition factories worldwide. As the MRM Category Technical Manager, he was the point person in defining global manufacturing and ingredient strategy to deliver ingredients specifications and product recipes quickly to assure “speed to market”.

Rick has been a member of the Phi Tau Sigma Membership and Qualifications Committee for several years, and member and current Chair of the Constitution and Bylaws Committee. He has been a contributing member of the Nonthermal Processing Division of the Institute of Food Technologists and the European Federation of Food Science and Technology. As well as

a member of the Annual Meeting Scientific Advisory Panel and a contributing member of the Division Leaders Collaboration Group. Rick is also the Co-Chair of the Microbiological Committee for the Institute of Thermal Process Specialists as well as a member of International Association for Food Protections, Microbiological Modeling and Risk Analysis PDG as well as Hygiene and Sanitation PDG.

Vision for ΦΤΣ: I would be honored and pleased to serve on the Board of Directors of Phi Tau Sigma. My personal and professional goals align with the mission of Phi Tau Sigma by recognizing scholarly achievements of the Food Science and Technology profession and committing to continuous improvement. As a Society of accomplished elected members and leaders on the frontier of food sciences, it is very important for Phi Tau Sigma to continue to position itself to be relevant as an organization for the next generations of students and professionals. As a Director, I will utilize my diverse, experience and connections to contribute to the leadership team toward improving future sustainability and recognition of the science of food as the basis for technology and to advance the understanding of our food science profession. I am actively involved in Coaching/Mentoring/Development of the food industry individuals and have developed many successful Quality/Food Safety professionals. Being an active and life-long member of Phi Tau Sigma, I endorse young professionals by being a seasoned model for them to be able to promote excellence in food science and technology.



Elizabeth M. Grasso-Kelley, Ph.D., is a Lifetime Member of Phi Tau Sigma. Dr. Grasso-Kelley is the Chief of the Food Technology Branch in the Division of Food Processing Science and Technology within the U.S. Food and Drug Administration/Center for Food Safety and Applied Nutrition/Office of Food Safety. She received her B.S. degree in Food Science from The Pennsylvania State University and her M.S. and Ph.D. degrees in Food Science and Nutrition and Food Science and Technology, respectively, from The Ohio State University. She began her career as an FDA Commissioner's Fellow working in low moisture food safety. Prior to joining the FDA, she served as a Scientist at the Institute for Food Safety and Health and an Assistant Professor in Food Science and Nutrition at Illinois Tech. Elizabeth is a co-lead on the IFSH Low Moisture Foods Safety Taskforce and is serving on the ISO Working Draft on

Microbiology of the Food Chain – Requirements and guidelines for conducting challenge tests. Her research expertise involves evaluating the survival and inactivation of foodborne pathogens within low water activity commodities and processing environments, including equipment sanitation.

As an active member of the Institute for Food Technologists, Dr. Grasso-Kelley currently serves on the Food Microbiology Division as the Technical Paper Reviewer Chair and volunteers, on an annual basis, as a Track and Abstract Reviewer for the IFT Annual Meetings. She has also served as a symposia organizer and has presented research at IFT on numerous occasions. In addition to her service to IFT, she has authored (or co-authored) 20 peer-reviewed journal articles, book chapters, and reference documents. She is a current member of the Journal of Food Protection's Editorial Board, and actively reviews manuscript submissions for The Journal of Food Protection, Journal of Food Science, and Journal of Peanut Science. She has also served as the past-Chair of the International

Association for Food Protection's Low Water Activity Foods Professional Development Group.

Vision for ΦΤΣ: As current Chair of the Membership and Qualifications Committee for Phi Tau Sigma I understand the importance of a strong membership. By accepting excellent nominations we can ensure the continued success of our Honor Society. I whole-heartedly support the ideals of the Honor Society, and strive to encourage the understanding and application of fundamental scientific principles to our field. I believe it is important to share our vision with those within and outside of our field. Serving as a Director will allow me to continue to support my pursuit of the advancement of Food Science and Technology as well as recognize and honor the professional achievements that support our prestigious organization.

P. Kumar Mallikarjunan, Ph.D., is a Lifetime Member of Phi Tau Sigma and is a Professor in the Department of Food Science and Nutrition at the University of Minnesota. Prior to joining Iowa State University in 2017, he was a faculty member (Professor 2015-2017; Associate Professor 2004-2015, Assistant Professor 1999-2004) in the Biological Systems Engineering Department at Virginia Tech. Kumar holds a B.S. degree in Agricultural Engineering from Tamil Nadu Agricultural University, a M.S. degree in Agricultural & Food Engineering from Asian Institute of Technology and a Ph.D. in Biological Engineering from the University of Guelph.



At UMN, he teaches a number of undergraduate and graduate courses, including Food Process Engineering, Food Science Capstone, and Advanced Food Engineering. His research area focuses on process development, modeling and optimization; and nondestructive sensing of food quality and safety. His current work involves novel processing technologies such as pulsed electric field processing and cold plasma technologies; and sensing technologies such as electronic nose and Fourier transformation infrared spectroscopy. He has published 90 peer-reviewed journal articles, 18 book chapters, 3 books and more than 250 conference presentations. He served as the department head for Food Science and Nutrition at UMN and is currently serving as the Director of Graduate Studies for Food Science Program. Kumar has received several awards from professional organizations and he is a Fellow of Institute of Food Technologists and American Society of Agricultural and Biological Engineers.

As an active member of Phi Tau Sigma, Kumar is serving as the faculty councilor to the University of Minnesota Chapter of Phi Tau Sigma, and is currently serving as a member of the Chapter Affairs Committee. Among his service to IFT, he has served as Chair of the Food Engineering and Refrigerated & Frozen Divisions, and President of the Minnesota Section.

Vision for ΦΤΣ: I started to get involved in Phi Tau Sigma after coming to the University of Minnesota, an active Chapter that recognized the value of an honor society recognizing the accomplishments of students and professionals in Food Science and Technology. I provided advise to the Chapter executive committee on program planning, identification of keynote speakers for their joint meetings with local section of IFT. In addition, I worked with Dr. George Annor on implementing a flagship program for our local Chapter on sending books

to Africa. And secured funding from local IFT section. As a member of the Chapter Affairs Committee, we continue to explore various ways to support the Chapters with successful programs and reinvigorate inactive chapters. I envision Phi Tau Sigma to be The Honor Society for all food scientists and food technologists and looking forward to the opportunity to serve on the Board of Directors in furthering the mission and vision of Phi Tau Sigma.

Kenneth W. McMillin, Ph.D., a Lifetime Member of Phi Tau Sigma, is Adjunct Professor and Professor Emeritus of Animal Sciences at Louisiana State University after retiring as Mr. and Mrs. Herman E. McFatter Endowed Professor in the Louisiana State University Agricultural Center and LSU. He received a B.S. in Food Science and M.S. in Animal Science at Purdue University and Ph.D. in Meat Science from Iowa State University. He taught meats, meat technology, growth and development, and contemporary issues in the animal sciences and conducted research on properties of meat from different animal production systems, meat processing and packaging, and goat meat. He has been major professor for 22 graduate students and served on 53 graduate student committees. In addition to 172 invited presentations, he has conducted processing and food safety seminars and workshops in 15 countries. He is the co-inventor on two patents and authored/coauthored 270 book chapters, refereed journal articles, abstracts, and conference proceedings along with 100 trade magazine articles.



Ken has been as a member of the Phi Tau Sigma Constitution and Bylaws Committee and Chair of the Phi Tau Sigma Membership and Qualifications Committee. He served as Councilor for Louisiana Section and Muscle Foods Division, Chair of the Muscle Foods Division, Chair of the Louisiana Section, and member of six IFT Committees. He has been on the Board of Directors of the American Meat Science Association and American College of Animal Sciences, and Chair of the AMSA Educational Foundation. Ken has been Editor in Chief of *Meat and Muscle Biology*, Associate Editor and Editorial Board member of *Meat Science*, Associate Editor of *Journal of Animal Science* Products Section, and Editorial Board of *The Professional Animal Scientist* scientific journals. He served as the President of the LSU Faculty Senate and Chair of the LSU Council of Faculty Advisors for two terms, as President of the LSU Chapter of the agriculture honor society Gamma Sigma Delta, and as President of the LSU Chapter of the Scientific Research Society Sigma Xi. Ken is a Fellow of the Institute of Food Technologists, a Fellow of American Meat Science Association, Professional Animal Scientist, a Diplomate in the American College of Animal Food Science, and was a Fulbright Senior Specialist in Meat Processing, Packaging, and Sanitation.

Vision for ΦΤΣ: It has been my privilege to be a Lifetime Member of Phi Tau Sigma for many years and I'm proud that our Honor Society has so many activities to recognize scholarly achievements in food science. An organization is highly dependent on maintaining the participation of its members while it supports and encourages the addition of young professionals in their development. Although it would be an honor to be elected as a Director and provide leadership in that capacity, I'll continue my participation regardless because the members of Phi Tau Sigma exemplify the highest integrity and capabilities of food science and technology to our community and society.

Mary K. Schmidl, Ph.D., is a Lifetime Member and a Past President of Phi Tau Sigma, has had a distinguished career as a scientist, research director, educator and leader to public and private agencies both in the US and around the world for more than 50 years. She received her Bachelor of Science degree from the University of California-Davis and a M.S. and Ph.D. degrees in Food Science with minors in Biochemistry and Human Nutrition from Cornell University. She is the former Vice President of Science and Technology for the Humanetics Corporation where she was responsible for new drug discovery as well as innovative ingredient development along with regulatory affairs. She was the Director of Research, Clinical Division of Novartis (Nestle, Inc.), which manufactures special dietary foods, weight management products, medical food products and devices. Prior to her work with Nestle, Dr. Schmidl directed the Nutrition Research Department for AG Bayer and was involved with intravenous feeding systems and medical foods. She has commercialized more than 75 new products, authored or co-authored over 100 refereed research papers, magazine articles, patents, book chapters, books and is highly sought after as an international speaker. She is the co-author of the book: Essentials of Functional Foods.



Dr. Schmidl has served on numerous Boards for governments, non-governmental organizations and the private sector. Dr. Schmidl received the Babcock Hart Award for Nutrition, Carl R. Fellers Award, Patrick Award for Research, the MNIFT President's Award, Phi Tau Sigma Special Recognition Award, the Award of Distinction from the University of California-Davis, the "Friendship Award" and "Scientific Spirit Award" from the Chinese Institute of Food Science and Technology by fostering global cooperation in food science and nutrition. Mary has been elected a Fellow of IFT and served as its President in 2000-2001. She was elected Fellow of IUFoST and served as its President. She is also a Fellow of the United Kingdom's Institute of Food Science and Technology. She currently is principal for NFNC (National Food and Nutrition Consultants) and teaches at the University of Minnesota where her focus is on obesity, functional foods, dietary supplements and their impact on global public health and wellness.

Vision for ΦΤΣ: Phi Tau Sigma, The Honor Society of Food Science and Technology has continued to evolve and to honor and recognize achievements in excellence related to food science, technology, research and education. This position of leadership has not been by accident. Rather, it has been the result of an innovative and dedicated membership, hard work and newly structured and organized strategic thinking leadership team. In order to enhance this new effort and to meet the enormous challenges and maintain and enhance our stature as the premier multidisciplinary international honor society for food science, technology, research and education, we will need to not only continue the efforts and programs currently in place nationally, locally and internationally, but also to innovate new ones. Examples of programs which I believe will give us that start include: continued reinvigorations of local chapters, greater involvements of corporate sponsorship and government interaction through joint strategic thinking, and continue emphasis and focus between the student members. Some of this could be through development of unique innovative scholarship and grant programs and other creative networking opportunities for students.

From my experience having served in numerous leaderships roles, I know that such programs will not be easy to implement, but I believe we can do it by working together with the talented and gifted colleagues in Phi Tau Sigma. It would be an honor to serve in these and other challenging endeavors.

The Second Election Topic – Constitution Updates

The exact proposed changes to the Constitution can be found as the second attachment in the email that delivered this Newsletter to you. Within this marked copy of the Constitution there may seem like a lot of words, but there are only 2 issues:

- a. Formalizing the existence of an Assistant Treasurer, and potential Assistant Executive Director have been added (Article III).
- b. Modification of two committee names: Membership and Qualifications Committee changed to Membership Qualifications and Evaluation Committee; and Newsletter and Communications Committee changed to Communications Committee (Article VII, section 1).

The Phi Tau Sigma Board of Directors has voted to accept these changes, and hopes the membership will ratify the changes.

The Third Election Topic – Committee Opportunities:

You have the opportunity to show your interest in membership on one or more of Phi Tau Sigma's Committees. The committees and their charges are listed below.

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]

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]

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]

Membership & Qualifications

"The Membership and Qualifications 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]

Newsletter & Communications

"The Newsletter 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]

Nominations & Elections

"The Nominations and Elections Committee shall solicit nominations for President Elect and Directors, 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]

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]

Development

Develop and implement strategies and mechanisms to raise long range funding to allow Phi Tau Sigma to be funded in perpetuity. This committee shall be responsible for reaching out to companies and other potential contributors to find and secure funding for the Contributing Partners program.

Audit Committee

Audits, reviews and reports on the Treasurer's records.

Phi Tau Sigma – AMSA Research with Impact Scholarship Selection Committee

To collect and evaluate the nominations for this scholarship, with the cooperation of the American Meat Science Association.

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.

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.

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.

Ad hoc Website/Wikipedia Committee

Provides leadership, creativity and timely information for the Phi Tau Sigma website and the webpage on Wikipedia.

Ad hoc Future Directions Committee

To evaluate our relationship with professional societies, and determine our next steps into the future.

Ad hoc Membership Recruitment and Retention Committee

To organize and administer programs to recruit and retain members of Phi Tau Sigma.

News:

Bylaws Updates:

In January, the Phi Tau Sigma Board of Directors voted to accept modifications to the Bylaws. These included:

- a. To add the very generic duties of the Assistant Treasurer and potential Assistant Executive Director (Article X).
- b. To modify two committee names, and verbiage in a number of committee charges. The Membership & Qualifications Committee will be called the Membership Qualifications & Evaluation Committee. The Newsletter & Communications Committee will be called the Communications Committee. One *ad hoc* committee will be removed (Website/Wikipedia) since the duties have been moved into the (Newsletter and) Communications Committee, and one committee added (Membership Recruitment and Retention). The *ad hoc* Audit Committee will be made a Standing committee.

Speedy Science 2022

Are you excited about the research of our students and want to experience it?!?

The University of Minnesota's Phi Tau Sigma Chapter is happy to announce the second annual Speedy Science competition, which is to take place via ZOOM on **Tuesday, March 22nd, 2022 from 4:30 to 6pm central time!!**

During Speedy Science, students have **ONLY 3-minutes** and one static powerpoint slide to communicate the most important aspects of their research to a panel of judges and event attendees. As the students are tasked with making their presentations engaging and understandable for all, the competition promises to be fun for both viewers and presenters! To get a better idea of what Speedy Science is about, check out [last year's event](#) on the UMN YouTube channel!

This year anyone can view the live event! However, as we are still slowly expanding Speedy Science, abstract submissions are limited to food science students from the University of Minnesota (UMN), South Dakota State University (SDSU), North Dakota State University (NDSU), University of Wisconsin-Madison (UW-Madison), and Iowa State University (ISU)!

The deadline for abstract submissions is March 8th, 2022!!

To express your interest in viewing or to submit an abstract for this fun and exciting competition, please [fill out this form!](#)

If you have any questions, concerns, or are interested in helping us put on the event by being a sponsor or judge, please contact Sara Kleba, Phi Tau Sigma-UMN Chapter Secretary at kleba004@umn.edu.

2022 Reciprocal Meat Conference Registration is Open



AMSA is excited to announce that registration for the 75th RMC is open! Please join us **June 12-15, 2022**, in Des Moines, IA, as we come together to celebrate the 75 years of meat science heritage! The AMSA 75th 2022 RMC is co-hosted by Iowa State University, Kemin Food Technologies, the National Pork Board, and Hormel Foods Corporation.



AMSA is excited to head back to Iowa for the 75th RMC, who also hosted the 25th RMC and the 50th RMC! "I am looking forward to bringing together meat scientists and industry professionals in Des Moines to highlight the latest scientific and technologic innovations in our field," Dr. Anna Dilger, 2022 RMC Chair.

2022 RMC Technical Program Will Include:

- Automation in the Global Meat Industry
- Meat in the Diet-How do we help get it on the plate?
- Oxidation of Muscle Proteins
- Supply Chain - Untangling the Issues
- New Approaches to Reducing Salmonellosis Across the Food Industry
- Modern Application of Classic Processed Meat Ingredients
- A Deep Dive into US Pork Business
- Pet Food Innovation for Pets and Pet Parents
- Abstract and ePoster Sessions
- And Over 25 Reciprocation Sessions

"The program we have planned spans the entire field of meat science, including basic muscle biology, automation in the meat industry, processed meats, food safety, and even a closer look at recent innovations in pet foods. There is truly something for everyone at RMC," stated Dr. Dilger.

More information regarding the schedule of events, registrations fees, hotels, and more are posted [online](#).

The early bird registration fee is \$675 for AMSA members, \$295 for student members, and \$950 for nonmembers, so register by **May 2, 2022**, to save!

[Click here for more AMSA 75th RMC registration information!](#)





URBAN FOOD SYSTEMS SYMPOSIUM

Building Coalitions in a Changing World

September 26-29, 2022

Marriott Downtown - Kansas City, MO

www.urbanfoodsystemssymposium.org

Kansas State University is pleased to announce our 4th Urban Food Systems Symposium, which will be held September 26-29, 2022 in Kansas City, Missouri. This symposium brings together an international audience of academic and research-oriented professionals to share and gain knowledge on how we can build coalitions to adapt to this changing world and how urban food systems contribute. More information on the symposium, including our call for abstracts, is available from: <https://urbanfoodsystemssymposium.org/> The deadline for abstract submission is **March 15, 2022**. Please contact ufss@ksu.edu with any questions.

Entries open for the IFT22 Student Food Packaging Development Competition!

(Contributed by Hossein Daryaei, Ph.D.)

Participants are challenged with developing a packaging innovation to solve one of several pressing challenges facing the global food system. Students can participate individually or as part of a team. All participants must be enrolled in food and packaging programs. A general certificate along with monetary prizes of \$1,000, \$750, \$500 will be awarded to the first, second and third place winners, respectively. All winners will be invited to pick up their certificates at the IFT FIRST 2022 annual conference. Winners will be recognized at the IFT FIRST 2022 Food Packaging, Food Engineering, and Nonthermal Processing Divisions joint social activity. Students will be invited to give a very brief overview (3 minutes) of their concepts.

Submissions are due on **May 1, 2022**. The details of the competition can be found at <https://www.ift.org/community/students/competitions-and-awards/student-food-packaging-development-competition>

The IFT Food Packaging Division is looking forward to your submission!

Award and Scholarship Deadlines Approaching -

Phi Tau Sigma Outstanding Chapter of the Year Award deadline April 1.

The award includes an honorarium of \$1000 and a plaque.

“The **Phi Tau Sigma Outstanding Chapter of the Year Award** shall be given to honor a Chapter of Phi Tau Sigma that has achieved excellence in the areas of research, scholarship, leadership and service. The award comes with a plaque and a \$1000 honorarium to be used by the Chapter to advance distinction in the food science discipline.”

Send completed nomination forms for the Phi Tau Sigma Outstanding Chapter of the Year Award to Lili He, Ph.D., Awards Committee Chair, at: lilihe@foodsci.umass.edu, with a copy to Kathryn Kotula, Ph.D., at: klkotula@msn.com. Note that part of the nomination packet goes to Dr. He and Dr. Kotula, and a second part goes only to Dr. Kotula. Please read the instructions carefully.

Phi Tau Sigma-AMSA 'Research with Impact' Scholarship deadline April 19.

The award includes an honorarium of \$2000 and a plaque.

The objective of the **Phi Tau Sigma -AMSA 'Research with Impact' Scholarship** “is to emphasize the importance of original research, carefully selected to solve vexing problems of the meat/food industry. The *Phi Tau Sigma – AMSA Research with Impact Scholarship* shall be given to a student Member or recently graduated Member of the American Meat Science Association whose undergraduate or graduate research has had, or is expected to have, a significant Impact - a practical and meaningful application.”

Send completed nomination forms for the Phi Tau Sigma – AMSA 'Research with Impact' Scholarship to Phi Tau Sigma Executive Director (klkotula@msn.com) and the AMSA Youth Programs Manager (scholarships@meatscience.org)

Full information for both opportunities can be found at:

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

Nomination hints: (From the Editor)

- Read the Criteria carefully. Does the nominee fulfill the criteria?
- Read the Instructions carefully before and after filling out the nomination to be sure all instructions are followed properly, and the information requested is easy to find.
- Feel free to ask questions.
- Don't wait for the deadline to send in the nomination. Early is good.

Program Committee: Opportunity to have your presentations publicized to the Phi Tau Sigma membership

(Contributed by Lauren Jackson, Ph.D., President Elect and Chair Program Committee)

Do you have a presentation, symposium or technical session at IFT, IAFP, ACS, the Reciprocal Meat Conference (RMC) of AMSA, or any other meeting or conference in 2022? We would like to advertise these events in upcoming Phi Tau Sigma Newsletters.

Please send us your presentation/session information by the deadlines below, or as soon as you have it. (Keep in mind that publication dates are one month after the deadline given below.):

IFT - April 1, 2022

RMC - April 1, 2022

IAFP - May 1, 2022

ACS - June 1, 2022 (for Fall ACS meeting)

Other conferences/meetings - Please provide information at least 2 months prior to the conference or as soon as the information is available.

Please provide the following information: Title of the presentation, Presenter (and terminal degree, and affiliation), Authors (with terminal degrees, and affiliations), Presentation Description/Summary, Meeting of which association; Date, Time, and Room number. Feel free to add any other pertinent information such as Moderator. You may not have the date, time, and room number yet, but send these as soon as you do to the email addresses below.

Please send the presentation/session information to Dr. Lauren Jackson (Lauren.Jackson@fda.hhs.gov) and copy Dr. Kathryn L. Kotula (kkotula@msn.com).

Calendar:

->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 (kkotula@msn.com).

->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 Lili He, Ph.D. (lilihe@foodsci.umass.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>)

->Election schedule:

~~December 15:~~ Nominations due to Nomination and Election Committee
Note: Nominations are now closed due to overwhelming interest.
(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

->June 12-15, 2022 - Reciprocal Meat Conference of the AMSA, Des Moines, Iowa

->Phi Tau Sigma Annual Meetings and Events:

2022: To be determined

->July 10-13, 2022, Institute of Food Technologists Annual Meeting

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: Election

March is your opportunity to affect the future of Phi Tau Sigma because the Annual Elections occurs during March.

This year's election issues include

- 1) Voting for the new President Elect and four Directors from a pool of highly qualified candidates.
- 2) Ratification of the Constitution modification that the Board of Directors is suggesting.

3) The opportunity to volunteer to serve on one or more of Phi Tau Sigma's committees.

Please, take advantage of these opportunities for YOU to affect the future of our great Honor Society. Vote today.

About Phi Tau Sigma Communications:

The Phi Tau Sigma Newsletter Committee includes: Kathryn Kotula, Ph.D., Editor-in-Chief, Chair (kkotula@msn.com); Claire Zoellner, Ph.D., Associate Editor (cez23@cornell.edu); Anthony W. Kotula, Ph.D.; Tianxi Yang, Ph.D., Research Co-Correspondent; Tiantian Lin, Ph.D., Research Co-Correspondent; Samruddhi Jadhav, M.S., Careers Correspondent; Kaavya.Rathnakumar, M.S., Chapter News Correspondent; Diane Schmitt, Ph.D., Member News Correspondent; Ashwini Wagh, Ph.D.; Ravi Tadapaneni, Ph.D.; Damla Dag, M.S. (Ph.D. student), Social media Co-Correspondent; Sonali Raghunath, M.S. (Ph.D. student), Social Media Co-Correspondent

Please be responsive to their inquiries for information for the Newsletter.

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.

2021-2022 Contributing Partners:

Hawkins, Inc. is a progressive concern that 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 

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 Huttts 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.