



The Honor Society of Food Science and Technology

Phi Tau Sigma Newsletter March 2021

News:

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: <http://www.phitausigma.org/phi-tau-sigma-nomination-2021-pdf/> or <http://www.phitausigma.org/phi-tau-sigma-nomination-2021-doc/>

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.

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 completed award nomination forms to Charlwit Kulchaiyawat, Ph.D., Awards Committee Chair, at: charlwit.kulchaiyawat@fosterfarms.com, with a copy to the Executive Director (klkotula@msn.com).

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). 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 your preferences on inclusion in an Online Member Directory. Thirdly, you will be asked to state your preferences for volunteering for a committee. Continue to scroll down through page 12 for all the details.

You will receive a ballot directly from member@surveymonkeyuser.com with the subject heading "Your Phi Tau Sigma 2021 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, 2021.

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 2021 candidates (listed alphabetically within office) is:

For President Elect: (vote for one)

Lauren Jackson, Ph.D.
Poulson Joseph, Ph.D.

Food and Drug Administration
Kalsec®

For Directors: (vote for four)

Jayandra Amamcharla, Ph.D.
Terri Boylston, Ph.D.
Stephen Campano, M.S.
Rick Falkenberg, Ph.D.

Kansas State University
Iowa State University
Hawkins, Inc.
Food Safety and Management Group, Inc., and
Scientific Air Solutions Full-Service Food Safety
and Microbiological Laboratory
The Ohio State University
University of Florida

Dennis R. Heldman, Ph.D.
Amarat (Amy) Simonne, 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)

Lauren Jackson, Ph.D., a Lifetime Member of Phi Tau Sigma, received her B.S. in Food Science from Cornell University (1984) and her M.S. (1987) and Ph.D. (1990), both in Food Science, from the University of Wisconsin-Madison. Currently, she is Chief of the Process Engineering Branch at the U.S. Food and Drug Administration (FDA)/Center for Food Safety and Applied Nutrition (CFSAN)/Division of Food Processing Science and Technology (DFPST), located in Bedford Park, IL. In her current position, Lauren provides managerial leadership, program direction and general oversight to 13 research scientists. She is also responsible for initiating, leading and conducting research projects dealing with processing and its effects on food safety. Lauren's expertise is in the following areas: the effects of processing on food constituents and chemical contaminants, food allergen control, the stability of biothreat agents, and the analysis of chemical contaminants, constituents and allergens in food. She also is one of FDA's subject matter experts on measures for controlling allergens in food manufacturing facilities. Lauren authored or co-authored over 150 published papers, book chapters and abstracts and co-edited five books. She is a recipient of many prestigious awards including the CFSAN Excellence in Laboratory Science Award, the CFSAN Exceptional Achievement Award, and was elected Fellow of the American Chemical Society (ACS) in 2016 and Fellow of IFT in 2019.



Lauren currently serves as Chair and Past Chair of the Phi Tau Sigma Membership and Qualifications (M&Q) Committee and has been a member of the M&Q Committee since 2017. Throughout her professional career, Lauren served IFT in many roles, most notably as Member-at-Large (2004-06) and Chair (2006-07) of the Toxicology and Safety Evaluation Division (TaSED), on the Workgroup/Taskforce on Divisions (2007-09), as a member and chair of the Annual Meeting Scientific Program Advisory Panel (2015-20), and on several IFT awards committees. She is also active in ACS and served as Program Chair/Chair of the Division of Agricultural and Food Chemistry of ACS (2012-13), on the Committee on Science (2015-18) and currently serves as an ACS Councilor. Currently, Lauren serves as a Scientific Editor for the *Journal of Food Science* and the *Journal of Food Protection*, and as Associate Editor for *Comprehensive Reviews in Food Science and Food Safety*.

Vision for ΦΤΣ:

I am honored to be considered for President-Elect of Phi Tau Sigma. Unlike most members of Phi Tau Sigma, I became a member of the Society late in my career. As a result, I missed out on a lot that the Society has to offer: a resource for scholarships, networking, career mentorship, employment opportunities, symposia and technical programs about advances in the field of food science, and so much more. To ensure the growth of Phi Tau Sigma, we need to reach out to students and early career professionals to inform them of

the value of membership in the Society. It is also essential that we retain members by providing opportunities for them to become involved in committees and engaged through other Society activities. As President of Phi Tau Sigma, my goals will be to obtain a better understanding of the impediments to membership and membership retention, and to develop strategies for ensuring the growth and vitality of the Society.

Poulson Joseph, Ph.D. is the Director of Food Protection and Protein Innovation at Kalsec Inc., Kalamazoo, Michigan. He received his Ph.D. in Animal and Food Sciences from the University of Kentucky focusing on applications of proteomics in meat quality and strategies to improve oxidative stability. Subsequently, Poulson completed his post-doctoral research on muscle food quality at Mississippi State University.



At Kalsec, Poulson leads the Food Protection & Protein Team with a research emphasis on natural antioxidants and antimicrobials while working closely with the food industry by offering technical and analytical support. He spearheads the team's mission in developing innovative natural and clean label solutions for improving food quality and shelf-life. He has delivered invited lectures in professional meetings and academic institutions and has conducted industry workshops globally.

Poulson is actively involved in American Meat Science Association (AMSA), and Phi Tau Sigma (The Honor Society of Food Science and Technology). He is currently serving as a Director in Phi Tau Sigma. At the Institute of Food Technologists (IFT), he has served as IFT Muscle Foods Division's Chair and in Leadership Team for 6 years. He received the IFT Muscle Foods Division's Member-of-the Year Award (2016) and IFT Division Best Volunteer Award in 2014. He was recognized with the 2018 AMSA Achievement Award as well as with the 2018 IFT Emerging Leader Network Award. Poulson has authored/co-authored several publications, including 35 peer-reviewed journal articles and 3 book chapters.

Vision for ΦΤΣ:

It is very inspiring to see professional associations, and particularly the honor society Phi Tau Sigma, taking the continued efforts to keep the food science community engaged amidst these difficult times globally and focus on the mission and purpose which embodies the spirit of the founding leaders of this great organization. To carry that torch to the next generation of food science professionals is a big responsibility, I honestly admit. I was fortunate to be part of the journey with Phi Tau Sigma in my limited capacities during the past few years, especially three years with the Awards Committee (two as Chair) and currently as a Director and a member of the Program Committee. It was certainly a fulfilling time when I look back, to optimize the Phi Tau Sigma tradition of honoring student excellence and contributions to the food science discipline. Our sincere thanks go to all of you who devote your valuable time as Phi Tau Sigma volunteers in such committees. I would like to offer my continued support to Phi Tau Sigma in expanded roles and join the lead efforts in reinforcing the mission and purpose of Phi Tau Sigma as we collectively get prepared to tackle the opportunities ahead of us.

Directors: (Vote for four)



Jayendra Amamcharla, Ph.D., a Lifetime Member of Phi Tau Sigma, is currently an Associate Professor of Food Science at the Animal Sciences and Industry and Food Science Institute at Kansas State University (KSU). He has undergraduate and graduate degrees in dairy technology and dairy engineering, respectively. He earned his doctoral degree in Agricultural and Biosystems Engineering from North Dakota State University, Fargo, ND. Subsequently, he worked as a Postdoctoral Research Associate in the Dairy Science Department at South Dakota State University, Brookings, SD. His research is mainly focused in the area of dairy foods processing at KSU. In addition, he is also serving as a faculty coordinator for the KSU dairy processing plant. He has been the major professor for 24 graduate students at Kansas State University. He takes a special interest in mentoring undergraduate research projects (13 food science undergraduates). He has been actively involved in the Institute of Food Technologists and the American Dairy Sciences Association. He is a section editor for the Journal of Dairy Science and editorial board member for Food Measurement and Characterization. He was also a member of the inaugural LEAD360 global leadership program sponsored by IFT. He is an author and/or co-author of 44 peer-reviewed publications in various internationally recognized scientific journals. He has also presented 64 abstracts at international conferences.

Vision for ΦΤΣ:

It is an honor to be a part of this great honor society Phi Tau Sigma. If elected, I would focus on undergraduate and young food science professionals to have a better experience and value of their membership in Phi Tau Sigma. I look forward to working achieve this goal with the leadership.

Terri Boylston, Ph.D., is a Lifetime Member of Phi Tau Sigma and is an Associate Professor 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), Associate 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 42 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 and a member of the department Undergraduate Curriculum Committee and Food Science and Technology Graduate Advisory Committee. Her dedication of 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 Adviser to the Iowa State Chapter of Phi Tau Sigma, and is currently Chair of the Chapter Affairs 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) and is currently a member of the Editorial Board of the Journal of Food Science Education.

Vision for ΦΤΣ: 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 and engage in discussions with faculty and students related to current issues 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. I envision Phi Tau Sigma to be the honor society for all food scientists and look forward to the opportunity to serve on the Board of Directors to further the mission and vision of Phi Tau Sigma.



Stephen G. Campano, M.S., a Lifetime Member of Phi Tau Sigma, is Vice President of Research and Innovation for Hawkins, Inc. He received a B.S. degree in Animal Science and M.S. degree in Animal Industries from the University of Connecticut in 1978 and 1981, respectively. Following an academic and applied program in Switzerland and Liechtenstein, he spent the next 30+ years working with the meat industry in a variety of positions with processors and allied suppliers. Since 2007, Steve has been involved in developing and directing food safety research initiatives with government, industry and academic institutions. Steve has been instrumental in the development and application of new ingredient technologies, both domestically and internationally. He has authored peer-reviewed manuscripts, posters/abstracts, symposia publications, technical articles, and is a patented inventor.

As a member of Phi Tau Sigma, Steve has served on the Newsletter Committee, the Awards Committee as a member and Chair, the Membership and Qualifications Committee as a member and Chair, the Development Committee, the *ad hoc* Recruitment Committee as a member and Chair, and is a current member of the *ad hoc* Future Directions Committee and the Audit Committee. Steve is also ending his first term on the Phi Tau Sigma Board of Directors. Steve was elected to the American Meat Science Association (AMSA) Board of Directors in 2003, served as Chair of the Reciprocal Meat Conference in 2005, and was a member of the organizing committee for the 2005 International Congress of Meat Science and Technology. In 2007, he was elected to the AMSA Executive Board, served as President

in 2008/2009, was conferred an AMSA Fellow in 2011, and served as Secretary Treasurer and member of the AMSA Educational Foundation Board of Trustees. His other activities include membership on the North American Meat Institute Scientific Affairs Advisory Committee, and the AMSA Advisory Council.

Vision for ΦΤΣ: As an active member of Phi Tau Sigma since my induction in 2011, I have served on several committees as a member and Chair and am also ending my first term as a Director. My commitment to Phi Tau Sigma is one way of giving back to the profession and has encouraged me to not only become a Lifetime Member, but also to help support programs and activities that enhance the visibility and improve the financial status of the Society. The success of Phi Tau Sigma is strengthened by the generous commitment of time and talent from the membership and through financial contributions from individuals and companies alike. As a Director, I will continue to offer my time and service and help solicit financial support from my company and others to benefit the Society in fulfillment of its purpose to recognize achievement and promote leadership in science, service and education.

Rick Falkenberg, Ph.D., a Lifetime Member of Phi Tau Sigma, a Senior Principal Scientist, Process Authority and is the Founder/Managing Partner Food Safety and Management Group, Inc. and 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 has authored several scientific articles in peer-reviewed journals as well as contributing expert services to manufacturers through ConnectFood.com, an online site for writing Risk Assessments and Food Safety plans.



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. Rick has an extensive background with food products in can/glass containers. 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) as well as developing advanced protein extruded products in conjunction with General Mills. 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 a member and current Chair of the Constitution and Bylaws Committee.

Rick 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. His BSL2 laboratory conducts efficacy testing of a verity of new and existing Nonthermal Processing Technologies, e.g., high-pressure processing, pulsed electric field, electronic beam, high intensity electric field, radio frequency, microwave and cold plasma.

Concentrating on the evaluation of atmospheric cold plasma (ACP), Rick has spent the last 20 years evaluating the efficacy of this technology. He developed an objective way to measure the reduction in bioburden by employing volumetric air sampling and using Spatial mapping as an impartial way to show pretreatment and post treatment results. He has tested the effectiveness of over 38 different ACP devices not only in the laboratory but also in surgical suites, intermediate size hospitals, dental offices, veterinary clinics as well as child and elderly care facilities, yoga studios and gyms.

An advocate for examining the impact of “air” in the above mentioned environments, Rick has examined these devices’ ability to decrease the bioburden, the number of organisms, fungi/molds, yeast, bacteria, in the air as well as on a surface which has not been cleaned/sterilized. His team has examined the impact of ACP treatment on Gram positive/Gram negative bacteria, pathogens (Food and HAI’s), viruses as well as protozoa.

Vision for ΦΤΣ: Thank you, for considering me as a candidate for Phi Tau Sigma Director. It is really a privilege to serve Phi Tau Sigma in any capacity that I can. My professional and personal 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 in the many fields.

I am currently serving as the Chair of the Constitution and Bylaws Committee. I also have been on the Nominations & Elections Committee for Phi Tau Sigma. I am actively involved in the Coaching/Mentoring/Development of the food industry professionals and 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.



Dennis R. Heldman, Ph.D., a Lifetime Member of Phi Tau Sigma, was awarded B.S. (1960) and M.S. (1962) degrees from The Ohio State University, and a Ph.D. (1965) from Michigan State University.

In 1966, Dr. Heldman joined the faculty at Michigan State University, and the first edition of Food Process Engineering, a textbook for undergraduate engineering students, was published in 1975. He served as Chair of the Agricultural Engineering Department at Michigan State University from 1975 to 1979. In 1981, the second edition of Food Process Engineering (with Dr. R. Paul Singh) was published, and the first edition of Introduction to Food Engineering (with Dr. R. Paul Singh) followed in 1984. Dr. Heldman joined the Campbell Soup Company in 1984 as the Vice President of Process Research and Development. In 1986, he moved to the National Food Processors Association as Executive Vice President of Scientific Affairs. In 1991, Dr. Heldman joined

the Weinberg Consulting Group Inc. In 1992, the first edition of the Handbook of Food Engineering (with Dr. Daryl B. Lund as Co-Editor) was published.

In 1992, Dr. Heldman was appointed Professor of Food Process Engineering at the University of Missouri. Beginning in 1994, he served as Unit Leader for the Food Science and Engineering Unit, and as Director for the Office of Value-Added Agriculture Outreach in 1997. In 1993, the second edition of Introduction to Food Engineering (with Dr. R. Paul Singh) was published, followed by Principles of Food Processing (with Dr. Richard W. Hartel) in 1997. From 1998 to 2004, Dr. Heldman was a Professor of Food Process Engineering at Rutgers, the State University of New Jersey. The third edition of Introduction to Food Engineering (with Dr. R. Paul Singh) was published in 2001. In 2003, the print edition of the Encyclopedia of Agricultural, Food and Biological Engineering (Heldman as Editor) was published. From 2004 to 2012, Dr. Heldman was a consultant for educational institutions, industry and government. These activities included the publication of the second edition of the Handbook of Food Engineering (with Dr. Daryl B Lund) in 2007, followed by the fourth edition of Introduction of Food Engineering (with Dr. R. Paul Singh) in 2008. The Encyclopedia of Biotechnology in Agriculture and Food (Heldman as Editor) was published in 2010, followed by the second edition of the Encyclopedia of Agricultural, Food and Biological Engineering (with Dr. Carmen I. Moraru as Co-Editor). In 2011, a new text/reference book entitled Food Preservation Process Design was published. Heldman served as President of IFT, the Society for Food Science and Technology, from 2006-07, and as President of Phi Tau Sigma - The Honor Society of Food Science and Technology from 2010-11.

In August 2012, Heldman joined the faculty at The Ohio State University as Dale A. Seiberling Endowed Professor of Food Engineering. His focus is teaching and research in food engineering, with a specific emphasis on sustainability of the food system, and improvements in process efficiencies while enhancing product quality. He became Director of the Center for Advanced Processing and Packaging Studies (CAPPS) in 2017.

Vision for ΦΤΣ:

I would be pleased and honored to serve on the Board of Directors of Phi Tau Sigma. The mission of Phi Tau Sigma includes the promotion of the Food Science & Technology profession through recognition of scholarship and excellence. This mission must be sustained and encouraged through membership. We must find ways for the excellent professionals recognized by Phi Tau Sigma to remain involved in the activities of the organization. At a minimum, recognition by Phi Tau Sigma should include a commitment to identify distinguished professionals to be recognized in the future. As a member of the Board of Directors, my energy would be devoted to the continuous exploration of steps to expand membership through retention of the professionals recognized by Phi Tau Sigma.

Amarat (Amy) Simonne, Ph.D., a Lifetime Member of Phi Tau Sigma, is a Professor of Food Science and Technology and Extension Food Safety Specialist with the Department of Family, Youth and Community Sciences in the College of Agricultural and Life Sciences at the University of Florida. She received a B.S. in Chemistry and Biology from the Prince of Songkla University, Thailand, and earned both M.S. and Ph.D. in Food Science and Technology at the University of Georgia. Amy worked at Auburn University as a Postdoctoral Fellow and Research Assistant Professor until joining the University of Florida as Assistant (2000), Associate (2006) and Professor



(2011). Her research focuses on food composition, microbiological safety and analysis of ethnically diverse foodstuffs, and consumer knowledge and behavior related to food safety and quality. She provides statewide leadership in consumer food safety education in Florida. Amy has also served as major professor/co-major professor for 14 graduate students, member of 20 graduate student committees, and mentor for 24 undergraduate students. Amy has published more than 300 technical articles (including referred journal articles, proceedings, book chapters, and peer reviewed articles). She was invited to present her work and teach in Singapore, Mexico, Tanzania, and Thailand, and she also hosted and mentored professionals from Honduras, France, Korea, Tanzania, the Netherlands, and Thailand. Homepage: <https://fyics.ifas.ufl.edu/faculty/amy-simonne/>

Amy joined Phi Tau Sigma as a student at UGA and she has been a member of the Chapter Affairs Committee for Phi Tau Sigma from 2017–present, and chaired that committee in 2018-2019. She has a long-standing record of serving her professional organizations (IAFP, AOAC) and the IFT in various capacities since 1994. Among recent examples include: member of the IFT Food Safety & Defense Subpanel (2009–2016), Annual Meeting Scientific Program Advisory Panel (AMSPAP)(2014–2016), Annual Meeting Scientific Program Subcommittee (AMSP- Education and Outreach Division)(2014–2015), Chair Elect, Chair, and Past Chair, IFT-Extension and Outreach Division. (2006–2008), and Chair Designated Chair Designate (2010–2012), and Co-Chair, IFT-Extension, Education and Outreach Division (2013–2014). In addition, she served as scientific editor and editorial board member of many scientific journals (*Journal of Food Quality*, *International Journal of Food Sciences*, *Horticulturae*, and *Food Protection Trends*).

Vision for ΦΤΣ: Phi Tau Sigma membership signifies and elevates achievements of students and professionals in food science and technology. Working on the Chapter Affairs Committee has helped Amy to gain insights into current challenges for some local chapters to stay active. As a network 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, she will utilize her diverse, broad 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.

The Second Election Topic – Online Member Directory

Phi Tau Sigma is the Honor Society of Food Science and Technology, comprised of student and professional leaders on the frontier of food science and technology. To foster a network of mentorship, collaboration and camaraderie, the *ad hoc* Student Relations Committee is proposing to develop a Member Directory on the “Members Only” page (password protected for Members in Good Standing only) of the Phi Tau Sigma website (phitausigma.org). This Directory is optional and would contain minimal information about each member for the purpose of providing a means and context for members to connect freely, particularly students with professionals, based on common interests and career paths. For example, each entry would appear with the member name and degree, current affiliation, career interests, and primary email. Each member will have the opportunity to approve their inclusion in this Member Directory via a question on the election ballot in March. Please respond to this ballot question.

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.

2021 – 2022 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.

Ad hoc Audit Committee

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

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.

Rodrigo Tarté, Ph.D. assumes President duties

President-Elect Rodrigo Tarté, Ph.D. will assume the duties of President, and continue with the duties of President Elect. Martin Sancho-Madriz, Ph.D., 2020-2021 Phi Tau Sigma President, resigned on February 8. In his resignation letter, Dr. Sancho-Madriz wrote "It has been an honor to serve in this role and have worked with you since September of last year. Thanks for your collegiality and dedication to Phi Tau Sigma."

From the Desk of the Treasurer: THE VALUE OF VOLUNTEERING

(Contributed by Kantha Shelke, Ph.D., Phi Tau Sigma Treasurer)

"Not everything that counts can be counted. And not everything that can be counted, counts." — Albert Einstein



When Dr. Daryl Lund posted a request for volunteers to take on his role as Treasurer, about three years ago, I thought about it and also dismissed it knowing fully well my dismal knowledge (and fear) of money matters.

But, I also knew that Dr. Lund was carrying more than his fair share of responsibilities at Phi Tau Sigma as were many members whose names you see repeatedly in conjunction with Phi Tau Sigma. So, I offered to volunteer IF he would teach me.

Never did I imagine of all the wonderful things that would follow and the benefits that have spilled into other aspects of my work and life.

- That I would have such a terrific teacher who would teach me not only how to be a treasurer, but also how to be a caring mentor.
- That I would also learn about leadership and working behind the scenes to advance Phi Tau Sigma and opportunities for its members and for potential members.
- That I would I learn so much from so many on so many different levels and advance my own business and finance related knowledge and skills.
- That I would become comfortable with a subject that once scared me out of my wits.
- That I now know how to balance check books, read financial spreadsheets, mind income and investment flow, and learn how to allocate and manage funds.

Most of all, I have learned to understand and appreciate the value of the Phi Tau Sigma members, many of whom put in so much just to advance this Society and the realm of food science.

If you have considered volunteering at Phi Tau Sigma but have also dismissed it thinking you lack the skills or the time, I assure you that the return on investment is in the order of multiples. See! I am also integrating finance into my language.

Volunteering at Phi Tau Sigma helps you connect with the extraordinary and helps you make more informed decisions about how you approach your tasks, your careers, and helps you advance respect and understanding for your profession and for what you do. Knowing that your volunteering helped others is an unbelievably boosting and comforting sense rarely gotten from other accomplishments. The power of stepping out of your comfort zone and volunteering is unparalleled.

Volunteering means working with others to make a meaningful contribution to a better community. The IRS estimates the dollar value of volunteer time at \$25.43 per hour while acknowledging the millions of individuals who dedicate their time, talents, and energy to making a difference in this world. The actual value of volunteering is much deeper, much more fulfilling and much more important in contributing to a healthy and vibrant community than money can ever measure.

We are always seeking volunteers in all our committees at Phi Tau Sigma. I encourage you to come out of "hiding in your comfort zone" and seriously consider volunteering and help yourself even while you help others. You will undoubtedly meet new people, boost your skills and resume, enhance your network, and most of all, feel really good for just a few hours a month.

Here's what you do...

- Sign up for the committees of your choice on your Phi Tau Sigma election ballot that comes out early March and/or
- Contact Executive Director, Kathryn L. Kotula, Ph.D. (klkotula@msn.com) with your interests

Then get ready for a very rewarding experience. You will receive more that you put in.

Calendar:

->Phi Tau Sigma Scholarship and Awards Schedule:

- November 30: Deadline to submit nominations to the Awards Committee for the Dr. Daryl B. Lund 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, and the Phi Tau Sigma Founders' 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 Charlwit Kulchaiyawat, Ph.D. (charlwit.kulchaiyawat@fosterfarms.com) 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/>)

- >December 7: Deadline to submit Nominations for the **Dr. Carl R. Fellers Award**, and other IFT Achievement Awards.
(More information: <https://www.ift.org/community/awards-and-recognition/achievement-awards>)

->Phi Tau Sigma Chapter Schedule:

- October 25: Deadline to order Honor Cords and lapel pins to ensure delivery before Fall graduation dates
- March 15: Deadline for membership nominations to ensure decisions from the Membership and Qualifications Committee before the Annual Meeting
- April 1:** Deadline to order Honor Cords and lapel pins to ensure delivery before Spring graduation dates
- May 1: First call for Chapter annual reports
- June 1: Second call for Chapter annual reports
- July 1: Final call for Chapter annual reports
- August 1: Deadline for Chapter annual reports

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

->Election schedule:

- December 15: Nominations due to Nomination and Election Committee
(Tom Aurand, Ph.D., Chair, tom.aurand@gmail.com)
- 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

->July 18-21, 2021, Institute of Food Technologists Annual Meeting, Chicago, IL:
(times tentative, and presumes an in-person meeting)

July 18 (Sunday):

11:00am-12:15pm	Phi Tau Sigma Executive Committee Meeting
12:15pm-1:30pm	Lunch Break
1:30pm-2:30pm	Phi Tau Sigma Leadership Council Meeting and Annual Business Meeting
12:30pm-1pm	Student Competition Poster Set-up
1:00pm-2:30pm	Student Poster Competition Judging
6:00pm-7:00pm	IFT Awards Celebration, includes the presentation of the Dr. Carl R. Fellers, Ph.D. Award sponsored by Phi Tau Sigma (Meet the Award winners at the IFT Networking Reception immediately following.)

July 19 (Monday):

12 noon-1:30pm	Phi Tau Sigma and IFT Division Competition Awards Ceremony
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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. 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. Lund 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://www.phitausigma.org/donate/>

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: Committee membership opportunities

Now is the time, on the Election ballot, to express your interest in serving on one or more Phi Tau Sigma committees.

Dr. Daryl Lund, who has many years of experience on committees from a wide variety of organizations, frequently comments on the excellent quality of attendance, both in the number of attendees and the participation, of the Phi Tau Sigma Leadership (Executive Committee, Directors, and Committee Chairs) at the monthly conference calls. Eighty percent or more of the Leadership is in attendance, and we have a lively level of contributions of ideas and opinions.

Wouldn't you like to be part of a group with this great level of interest, and opportunity for input? State your interests in the committee volunteering opportunities section of the ballot.

About Phi Tau Sigma Communications:

The Phi Tau Sigma Newsletter Committee includes: Kathryn Kotula, Ph.D., Editor-in-Chief, Chair (klkotula@msn.com), Claire Zoellner, Ph.D., Associate Editor (cez23@cornell.edu), Anthony W. Kotula, Ph.D., Hossein Daryaei, Ph.D., Tianxi Yang, Ph.D., Laura Strawn, Ph.D., Diane Schmitt, Ph.D., Gabriela John Swamy, Ph.D., Jennifer Fideler M.S. (Ph.D. Candidate), Tiantian Lin, Ph.D.

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

The Newsletter Committee particularly wishes to share news from Phi Tau Sigma Members and Chapters. Any items for the monthly Phi Tau Sigma Newsletter should be emailed in

Word to Editor Kathryn L. Kotula, Ph.D. at klkotula@msn.com or Associate Newsletter Editor Claire Zoellner, Ph.D. at cez23@cornell.edu. Write "*Phi Tau Sigma Newsletter*" in the subject line. Please provide the information by the 1st of the month. Thanks.

Documents:

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

Phi Tau Sigma Membership Nominations

<http://www.phitausigma.org/phi-tau-sigma-nomination-2021-doc/>

<http://www.phitausigma.org/phi-tau-sigma-nomination-2021-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/>

Every Member Get A Member Campaign

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

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://www.phitausigma.org/donate> 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. Lund 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.

2020-2021 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.**



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 support and endow the Dr. Daryl B. Lund Student International Travel Scholarship.) **The Lunds are a Silver level Contributing Partner.**

2020-2021 Sponsors and Donors:

Dr. Catherine Adams Hutt and Peter Barton Hutt, Phi Tau Sigma Lifetime Members. Catherine is food safety and regulatory consultant and expert witness with RdR Solutions, and Peter is an attorney with Covington and Burling. Both are IFT Fellows. (Donation for the Dr. Gideon "Guy" Livingston Scholarship)

David K. Park, B.S., Phi Tau Sigma Lifetime Member, is Principal, Food-Defense, LLC, providing expert food safety / food defense, USFDA and USDA-FSIS Process Authority technical and regulatory consultation for thermal and non-thermally processed low acid canned foods (LACF), acidified foods (AF), and refrigerated extended shelf life foods (ESL) and their packaging systems. (Donation towards a Phi Tau Sigma Student Achievement 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.

William Benjy Mikel, Ph.D., a Phi Tau Sigma past President and a Lifetime Member who appreciates the field of food science and technology. (Donation towards 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 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.)

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

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

Corvus Blue LLC is a Chicago-based contract food science and research firm retained by food, dietary supplement, and allied enterprises to expedite new product development and commercialization and pave the path for rapid market realization with competitive intelligence and food science communication. The firm works with startups and established entities at the intersection of science and business to maximize opportunity and minimize risk.

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

Dr. Claire Zoellner, Food Safety Scientist at iFoodDecisionSciences, Phi Tau Sigma Director, Associate Newsletter Editor, and Chair of ad hoc Student Relations Committee.

Phi Tau Sigma Development Committee 2020 - 2021

Each and every member of Phi Tau Sigma Development Committee has generously donated to Phi Tau Sigma. The Development Committee is responsible *to develop and implement strategies and mechanisms to raise long range funding to allow Phi Tau Sigma to be funded in perpetuity*. The Committee has made its generous contributions to demonstrate its unwavering support and to role model the action of making a financial contribution to the Society. (Sponsorship for the Phi Tau Sigma Special Recognition Award)

Phi Tau Sigma Leadership 2020 -2021

Each and every member of Phi Tau Sigma Leadership has generously donated to Phi Tau Sigma. The Phi Tau Sigma Leadership is composed of its Board of Directors and Chairs of its appointed Committees. Its mission is to honor and build excellence in the profession of food science and technology. Besides sharing generously of their time and talent, the Leadership has made a generous financial contribution to set, through example, what our discipline may achieve through its contributions. (Sponsorship for the Phi Tau Sigma Chapter of the Year Award)

Dr. Rodrigo Tarté, a Lifetime Member 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.)

Dr. Liz Boyle, a Lifetime Member of Phi Tau Sigma, is a Professor and Meat Extension Specialist at Kansas State University, and Past-President 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 towards the endowment for the Phi Tau Sigma – AMSA ‘Research with Impact’ Scholarship.)

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