

ΦΤΣ

The Honor Society of Food Science and Technology

Phi Tau Sigma Newsletter *October 2018*

News:

December Graduates:

- 1) Remember to send in your new contact information so we can update our records before your move. We do not want to lose you. Send to Executive Director, Dr. Kathryn L. Kotula klkotula@msn.com your new email address, alternate email address, postal address, company or school, and phone numbers.
- 2) November 1 is the deadline to order Phi Tau Sigma Honor Cords and lapel pins to ensure delivery before Fall graduation dates.



Program Committee

(Contributed by Liz Boyle, Ph.D., Chair Program Committee)

One of the primary responsibilities of the Phi Tau Sigma Program Committee is to identify and present programs that encourage the long-range professional growth of the Society. Currently, the Program Committee is reaching out to several IFT Division program committees and leadership teams to seek collaboration as a co-sponsor of symposia at the annual IFT meeting. All members of Phi Tau Sigma can contribute to this effort! If you are on your Division program committee or leadership team, or are willing to reach out to an IFT Division to seek co-sponsorship of a symposia, please contact Dr. Liz Boyle at lboyle@ksu.edu.

What are the advantages to a Division for having Phi Tau Sigma co-sponsor symposia? Our current Phi Tau Sigma President, Dr. Rakesh Singh offered these advantages:

1. Phi Tau sigma will publicize the symposium through its monthly newsletter, with the potential to attract more attendees to the symposium.
2. Co-sponsoring sessions or symposia with another division or organization like Phi Tau Sigma improves the chance of that symposia being approved by the IFT.
3. A Phi Tau Sigma member could join the team of organizers for that symposium or be a speaker.

Membership Nominations

(Contributed by Rebecca Creasy, Ph.D., Chair Membership and Qualifications Committee)

A new administrative year has started for Phi Tau Sigma, and the members of the Membership and Qualifications Committee are looking forward to reviewing nomination forms for highly qualified nominees who seek to advance professionalism in Food Science. However, we need your help in identifying and nominating these highly qualified individuals.

To aid you in nominating individuals for membership, here is quick refresher on the nomination process:

1. All nomination materials can be found on the Phi Tau Sigma website at <http://www.phitausigma.org/membership-nomination-form-pdf/>
2. First, be sure to read the Instructions, which start on page 3 of the nomination form.
3. Complete the nomination form, ensure it's filled out correctly following the Instructions and email it to the Executive Director, Kathryn L. Kotula, Ph.D., at klkotula@msn.com.
4. Pay the appropriate nomination fee (\$20 for students or \$40 for professionals) at <http://www.phitausigma.org/membership-dues/>. If a nominee is accepted for membership, the fee is kept as their membership dues payment for the first year.
5. Please allow 3–4 weeks for completion of the process (assuming there are no delays).

Here are a few other tips to help your nominee progress quickly through the nomination process:

1. Make sure both nominators are members in good standing with membership dues up-to-date and that at least one is a Professional Member.
2. All nominations must be on the new form (the one found on the $\Phi\tau\Sigma$ website). Nominations on old forms will not be accepted. You will be asked to resubmit the nomination if an old form is initially submitted.
3. Fill the form out accurately and completely.
4. For student nominations, keep in mind that the required course work must have been completed (and not in-progress) at the time of nomination.
5. Make sure the Statement of Qualifications is written in the third person and that it does not exceed 250 words.
6. Nominations will not be routed to the M&Q Committee for review until the nomination fee is paid.

For further information, please contact the M&Q Committee Chair, Rebecca A Creasy, Ph.D. at rebecca.creasy@tamu.edu or any of our other Committee members: Jamie Valenti-Jordan, M.S., Past Chair; Lauren Jackson, Ph.D., Incoming Chair; Rodrigo Tarté, Ph.D.; Martha Cassens, M.S.; Jimmy Keeton, Ph.D.; Poonam Singha, Ph.D.; Elizabeth M. Grasso-Kelley, Ph.D.

Nominations and Elections Committee

(Contributed by Jamie Valenti-Jordan, Chair Nominations and Elections Committee)

Even though we just installed our new 2018 leadership team, it immediately becomes necessary to start putting the slate together for the 2019 elections. The Nominations and Elections Committee is charged with developing of the list of nominees for Phi Tau Sigma President Elect and four Directors. The election will be held in March 2019, for terms beginning on September 1, 2019. The election process is critical for establishing the incoming team early enough to train and provide continuity in the Society. Any member

can nominate an individual that they feel will provide the necessary leadership. Please send the Phi Tau Sigma members you would like considered for these positions to Committee Chair Jamie Valenti-Jordan at jamie@catapultserv.com prior to December 15, 2018. Self-nominations are welcomed.

Career Opportunity:

(Contributed by H. Russell Cross, Ph.D., Past President)

Food Safety Net Services (FSNS) is actively seeking to hire a Director/VP of Chemistry Operations at their San Antonio, TX location. FSNS is actively growing their chemistry testing capabilities within their existing laboratories and adding chemistry capabilities to their new laboratories nationwide. FSNS is seeking a highly motivated individual who brings Food Chemistry testing expertise and management experience to help guide their growth. Some of the duties this position will oversee and direct include: operational planning regarding how to better serve our customers for existing and new business, directing the development and implementation strategies for new methods needed to expand the business, helping to grow the technical staff within their chemistry laboratories, and developing business metrics necessary to effectively run the business. FSNS is headquartered in San Antonio, TX and has labs nationwide. Additional information regarding this position can be found at:



https://www.appone.com/MainInfoReq.asp?R_ID=2016876&B_ID=44&fid=1&Adid=0&ssbgcolor=FFFFFF&SearchScreenID=3064&CountryID=3&LanguageID=2

Contact Russell Cross (hrcross7@gmail.com) with interest.

Know your Leadership:

About Your Phi Tau Sigma Executive Committee:

Phi Tau Sigma President: **Rakesh Singh, Ph.D.**, is Professor and Head of the Department of Food Science and Technology at The University of Georgia. He has been engaged in internationally prominent research programs that have addressed emerging technologies for food processing, engineering properties of foods and food safety. He is Editor in Chief of LWT-Food Science & Technology, and on the editorial board of International Journal of Food Properties. He became a Professional Member of IFT in 1983 and has been actively involved in IFT at local, regional, and national levels. He has served on the IFT committees including Global Task Force, and scholarships and awards jury. He became Fellow of IFT in 2008 and received the Elizabeth Fleming Stier Award in 2009. He was inducted into Phi Tau Sigma in 1985 and became a Lifetime Member in 2013. He has served Phi Tau Sigma as Councilor At-Large, Chair of Awards Committee and Chair of Strategic Relations Committee.

Phi Tau Sigma President Elect: **Liz Boyle, Ph.D.**, is a Lifetime Member of Phi Tau Sigma, and a Professor of Meat Science in the Department of Animal Sciences and Industry at Kansas State University. Liz received a B.S. in Wildlife Biology from the University of Minnesota, and a M.S. in Food Science and Nutrition and Ph.D. in Food Science with a Meats emphasis from Colorado State University, followed by post-doctoral studies at the University of Kentucky and the University of Minnesota. Her research and Extension activities have

focused on meat safety and quality, and providing scientific and technical assistance to meat processors and trade associations. She has served as Chair of the Kansas State University Chapter of Phi Tau Sigma, Chair of the Muscle Foods Division and the Kansas City Section of the Institute of Food Technologists, Chair of the Reciprocal Meat Conference of the American Meat Science Association, National Academy of Science committee to evaluate scientific criteria to ensure safe food, and Council for Agricultural Science and Technology (CAST) Board of Directors. In 2016, she was recognized as a Fellow with the American Meat Science Association.

Phi Tau Sigma Past President: **Robert E. Brackett, Ph.D.**, is a Lifetime Member of Phi Tau Sigma, and currently serves as Illinois Institute of Technology (IIT) Vice President and Director of the Institute for Food Safety and Health, and Interim Head of the Department of Food Science and Nutrition at IIT. He has over 35 years of experience in food safety research, training, and policy, having served as Director of FDA's Center for Food Safety and Applied Nutrition, Senior Vice President at the Grocery Manufacturer's Association, and Professor at the University of Georgia. He has been an active member of several IFT Divisions and is a Past-President of the International Association for Food Protection.

Phi Tau Sigma Treasurer: **Kantha Shelke, Ph.D.**, is a Lifetime Member of Phi Tau Sigma, and is currently a Principal at Corvus Blue LLC, a contract food science and research firm. She holds Master's degrees in Organic Chemistry and in Food Science and Nutrition, and a Ph.D. in Cereal Chemistry and Technology. She practices, writes, and teaches from end-to-end in food and supplement supply chains on the global front. An IFT Food Science Communicator, she is also the technical editor of PLMA Live!, (Private Label Manufacturers Association), and Nutrition Business Journal, and holds adjunct/visiting professorship positions at the Johns Hopkins University in Baltimore and at the MCI Management Center in Innsbruck, Austria. Her book "Pasta and Noodles: A Global History" was published in August 2016 by Reaktion Press, UK.

Phi Tau Sigma Past Treasurer: **Daryl B. Lund, Ph.D.**, is a Lifetime Member of Phi Tau Sigma, Past President of IFT (1990-91) and Phi Tau Sigma (2006-07 and 2007-08). He was instrumental in revitalizing Phi Tau Sigma to recognize excellence in our profession. He served as Treasurer of Phi Tau Sigma (2009-2018). Recipient of many awards, Dr. Lund has received the Nicolas Appert Award for lifetime achievement from IFT (2009), the Phi Tau Sigma Special Recognition Award and the Lifetime Achievement Award from the International Congress of Engineering and Food (2011), the Lifetime Achievement Award from IUFOST (2016), and the CALS UW-Madison Distinguished Service Award (2016). He is emeritus professor of food science at the University of Wisconsin-Madison, immediate Past President of the International Academy of Food Science and Technology (2010-12), and past Editor in Chief of IFT's peer-reviewed journals (2003-2012).

Phi Tau Sigma Executive Director: **Kathryn L. Kotula, Ph.D.**, is the founder of *Investigative Food Sciences* in Storrs, Connecticut. She is a Lifetime Member of Phi Tau Sigma and has been Co-Editor, and now Editor, of the Phi Tau Sigma Newsletter since September 2010. Kathy is the recipient of the Achievement Award of the American Meat Science Association, the Dr. Carl R. Fellers Award of Phi Tau Sigma and IFT, and is a Fellow of IFT. She was the 2014 recipient of the Phi Tau Sigma Special Recognition Award.

Calendar:

->Phi Tau Sigma 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 Poulson Joseph, Ph.D., (pjoseph@kalsec.com) and Executive Director Kathryn L. Kotula, Ph.D. (klkotula@msn.com). (More information: <http://www.phitausigma.org/awards/>)

- >December 18: Deadline to submit Nominations for the **Dr. Carl R. Fellers Award**, and other IFT Achievement Awards.
(More information: <http://www.ift.org/membership/awards-and-recognition/achievement-awards.aspx>)

->Phi Tau Sigma Chapter Schedule:

- November 1:** 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, Amy Simonne, Ph.D. (asim@ufl.edu) with a copy to Dr. Kathryn L. Kotula (klkotula@msn.com).

->Election schedule:

- December 15: Nominations due to Nomination and Election Committee (Jamie Valenti-Jordan, M.S., Chair (jamie@catapultserv.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 1: List of candidates will be emailed to the Members for balloting
- March 31: Deadline for casting ballots
- April 8: Deadline for tabulation of ballots
- July 15: Phi Tau Sigma President will present the newly elected individuals to the Membership at the Annual Business Meeting of Phi Tau Sigma

Lifetime Member Tribute: Ashwini Wagh, Ph.D.

R & D Scientist 2, The Clorox Service Company/Utah State University

Why did you become a Lifetime Member?

This organization does a great job at inspiring new professionals in the area of food science. They are regular participants in IFT in poster competition and encourage students to study and participate in food science related activities. For professional development in the area of food science and networking purposes, I think this organization is a great place to find mentors if you are passionate about food science and want to keep contributing either in the field of academia or industry.



Education:

Ph.D. Food Science, Utah State University, Logan, Utah, 2013

Dissertation: Characterization of Lactose monolaurate for its Antimicrobial and Emulsification Properties and its Effect on Crystallization Behavior of Anhydrous Milk Fat

M.S. Biochemistry, Utah State University, Logan, Utah, 2008

Thesis: Study of Rieske ferridoxins in *Xanthobacter autotrophicus* Py2

M.Sc. Biochemistry, Devi Ahilya University, Indore, India, 2004

B.Sc. Microbiology, Govt. Model Autonomous Holkar Science College, Indore, India, 2002

Experience/Accomplishments:

I have been a product developer since I started my career in the field of food science and have worked on Enfamil for premature and very premature infants. Other primary brands that I have worked on and contributed to are Hidden Valley Ranch, KC Masterpiece, Kingsford BBQ sauces, Soy Vay Marinades, Other Soy Vay products etc.

Despite being in the food industry, I like to keep learning and reviewing food science journal articles in my free time. I feel like that keeps me abreast of some of the latest research that is happening at the time. I also serve on the editorial boards of a few open access journals and have a lot of passion for doing more of this work.

Areas of Expertise:

Emulsion technology, lipid crystallization and food safety.

Personal: Family, Interests, Hobbies:

I generally like to read in my free time and work on my fitness goals. Being in the Bay Area helps me with being outdoors as much as I want to. I like to hike.

Advice to university students and career food scientists and technologists:

Be inquisitive and ask a lot of questions. I think this takes you a long way and makes you a better learner. Try to learn at least one new thing every day in your workplace.

Chapter News: Phi Tau Sigma Announces Inaugural Recognition of Chapters

The Chapters Affairs Committee is pleased to announce the following inaugural recognitions for Chapters of Phi Tau Sigma.

Each year, Phi Tau Sigma recognizes its Chapters for their exemplary volunteer service, excellence in leadership and dedication to the food science and technology profession with the Chapter of Merit or Chapter of Excellence designation. Details of the criteria are located at <http://www.phitausigma.org/chapter-awards/>. The Chapter Affairs Committee and the Executive Director of Phi Tau Sigma have reviewed the Annual Reports for 2017 - 2018. Chapters receiving recognition are listed in this Newsletter, have received a special certificate signed by the President of Phi Tau Sigma, Dr. Rakesh Singh and will be recognized in the slide presentation during the Phi Tau Sigma and IFT Division Competition Awards Ceremony in New Orleans.

Chapter of Excellence

Iowa State University
Purdue University
University of Georgia
University of Massachusetts
University of Minnesota
Virginia Polytechnic Institute and State University

Chapter of Merit

California State Polytechnic University, Pomona
Louisiana State University
Pennsylvania State University

Through the <http://www.phitausigma.org/store/>, a framed certificate can also be ordered. Congratulations to these exceptional Chapters!



In Case You Were Wondering... Dedication is the Answer

(Contributed by Kantha Shelke, Ph.D., Lifetime Member of Phi Tau Sigma;
Author of "Pasta and Noodles, A Global History" Part of the Edible Series of Reaktion Books
Ltd., London, 2016.)

Mark Twain famously said "Writing is easy. All you have to do is cross out the wrong words."
Knowing which ones to cross out, however, is the hardest part. ...Kantha Shelke

My doctorate on the science and technology of Chinese wet noodles required me to also understand the evolution of the science of pasta. Naturally, I readily accepted an invitation three decades later to write about the history of pasta. Surely, I knew enough to write about pasta. Or so, I thought. How little I knew of the steep (and humbling) experience ahead.

Reaktion Books, a subsidiary of University of Chicago Press—the largest and one of the oldest university presses in the United States—was launching Edible Series with single-author scholastic books on the global history of iconic foods like hamburger, hot dogs, pizza, and pasta. Reaktion believed I had the requisite knowledge and skills to tell the story of how pasta evolved.

Instead of graciously accepting this extraordinary invitation with a "Thank you and I am honored", I explained that pasta's origins were intertwined with that of noodles. Would they also like me to write about noodles? A terse reply shot back suggesting I confirm acceptance or rejection of the only offer extended to me, i.e., to write about the global history of pasta. I gulped, tucked my tail in, and quickly said "of course and thank you" for the privilege bestowed upon me.

Writing a book is easier said than done!

For years, I dreamed of writing a book. Lady Luck just gave me a chance to write and to become famous. I plunged into writing. I wrote a sentence, then a paragraph, and wove paragraphs into sections of chapters. I wrote in fits and starts, in bits and pieces. Keeping that pace and staying motivated however, was not easy. Self-doubt crept in and so did distractions. Even washing windows seemed more fun than writing on some days.

Wisdom dawned on me. Writing a book requires not just the ability to write but also to plan, pace oneself, and the discipline to deliver on plan. Here's what I planned.

1. Start with a summary. I summarized my book in a single sentence, then expanded it into a paragraph, and finally turned those points into a one-page outline. I now had a table of contents with chapters broken into distinct sections so I knew how the subject would flow.
2. Goals and ambiance. I set a daily word count goal. Instead of squeezing writing into the cracks of my busy life I set an alarm to wake me up two hours early every weekday



Sophia Loren:
"Everything you see I
owe to spaghetti"
The actress was very kind
in sharing a photograph
for my book

morning to write a page a day. I worked even on Christmas and New Year's Day, if they fell on weekdays. I made it impossible for me to fall behind. Weekends became even more enjoyable and rejuvenating. I set the ambiance for my writing. I wrote at my kitchen counter, with a pot of steaming coffee always on hand. I never cleared that space until my book was finished. When traveling, and I travel a lot in my job, I woke up early to research the subject. But I wrote only at my kitchen counter.

3. Be realistic. On days when I just could not write, I would read and edit pages I had written. By staying close to my book I remember each page well and how they related with the rest. A page a day also gave me a sense of accomplishment every day.

4. Get early feedback. Nothing stings worse than rewriting an entire book. I engaged trusted advisers to help me discern worthy from rubbish. I am eternally grateful to Dr. Howard Moskowitz and Kimberly Lord Stewart for wordsmithing and guidance. My family abstained for fear they would be roped into reading everything I wrote.

5. Finishing. It is really difficult to know when one is done. If left to my means I would still be wordsmithing and never get my book to the printers. Fortunately, my publishers had set deadlines. I set other deadlines by sending finished sections to Dr. Moskowitz and to Ms. Stewart to review and edit with brutal honesty and keep me on time.

The most important tip: Embrace failure and be resilient. Writing a book requires flexibility and resiliency for life inevitably throws in a curve or two. Several unexpected curves interrupted the writing of this book and demanded utmost resiliency.

Halfway through my book, a dear friend and renowned food editor Diane Toops passed away unexpectedly while writing her book on the history of eggs. The publisher asked me to shelf my book to complete Eggs first. As I embarked on telling Diane's story the way she wanted it told, I got a chance to practice all the skills I would need to complete my book. Most authors are embarrassed by their first book. I was not only spared that mortification by the opportunity to complete someone else's book, but also given a chance to practice so I could be more adept when writing mine.

My previous experience of writing for a scientific audience did not help me to write for laypersons. I had to learn to use simple words like "forced through a hole" instead of technical jargon like "extruded" and looked for more common and easily understood synonyms of the complex language that scientists and historians tend to use.

They say to write so your grandparents can understand. I wrote so my "imaginary" grandchild would understand. With a scientist's discernment and an educator's spirit, I spun narratives about how these clever little twists, tubes, sheets and strings of dough have become a favorite food people all over the world and transformed complex and complicated topics into stories that a little child would understand.



The manuscript I proudly sent to my publishers returned heavily redlined saying "use even simpler words" and "PS: take six months to cut this story in half and tack on the story of

Chinese noodles". I was thrilled and dismayed all at once. Thrilled I could say the story the way I wanted to but dismayed at the work ahead and that my book was delayed once again and not because of me.

Flexibility and resiliency stepped in to help.

Lessons gleaned from writing about Eggs and Pasta made it easier to tell the story of Chinese noodles and also gave me a chance to edit my previous work. I also now had to weave in the story of how these twins got separated to evolve into similar but very different foods in very different parts of the world.

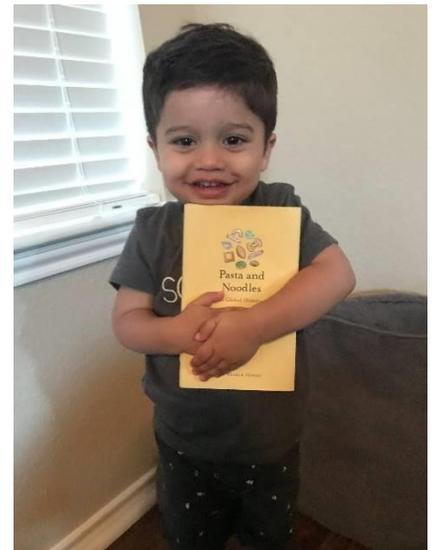
The publishers gave me a budget, albeit a parsimonious one, for fifty images to be added to the book. I was tasked with getting a hundred so the art editor could choose. Fortunately, I had avidly taken a lot of photographs while studying pasta and noodles. I also approached other authors and learned about generous authors and a sticky one.

When I learned that Professor Houyuan Lu, Chinese Academy of Sciences, had unearthed the remains of the world's oldest noodles in China, I wrote to him for a photograph to use in my book. Within minutes of my hitting "send" I received a phone call from Professor Lu. He was delighted by my request and asked for a copy of my book in return. I contacted museums and food manufacturers around the world for historical photographs and all but one were graciously generous with their support. My request to a multinational for a photograph of their pasta product resulted in a note many days later from legal saying they would have to review my manuscript before they would allow me to post any pictures of their product in my book. Having very little tolerance for unnecessary work, I skipped them.

Launching a book is very much like launching a product. Being painfully shy about promoting my book, I accepted an invitation from the National Pasta Association to speak at one of their events and to also offer my book for those wishing a copy. It was my first experience as a salesperson and I sold two cases of books within the first hour.

Since then, I have actively relied on speaking engagements to sell my book. I invariably meet kind people from food companies who offer to buy cases of the book as a corporate gift. Since the book was published in October 2016, I have spoken some 50 times about the history of pasta and noodles, mostly on weekends, mostly at small gatherings, and have managed to sell and autograph anywhere from 10 to 50 copies at each event.

One does not become rich from selling such books, but one does become wealthy with learning how pasta and noodles have enriched the lives of others. I have another seven lectures to give in 2018 and I am truly looking forward to seeing community grow. I love this extracurricular activity so much that I am cooking up a plan to write another book about food and food science starting in 2019.



Real grandchild, Naveen Shelke (2 years old) with my book. (He is wearing a shirt that says: "Science Rules")

Member News:

The Launching of "PALATA" - Natural Tofu Preservative in Indonesia Phi Tau Sigma "Daryl B. Lund" International Scholarship Travel Report

(Contributed by Amadeus Driando Ahnan, Ph.D. Student, University of Massachusetts Amherst)

I am extremely grateful to have been the recipient of the Phi Tau Sigma Dr. Daryl B. Lund International Travel Scholarship in 2018, which enabled me to work on an extraordinary food safety project. The project is an attempt to eradicate the use of formaldehyde in the tofu industry in Indonesia. Formaldehyde is a non-food grade disinfectant that can cause serious health problems if consumed, which is unlawfully used in tofu production to increase shelf-life and yield. However, the problem has been very complicated, especially since there was no safe and affordable natural alternative for the tofu makers.

In 2014, our team founded PALATA (an abbreviation for the natural tofu preservative in Indonesian), a liquid made of fermented local bananas that can be added during tofu production to increase shelf-life, yield, and quality. It started as an integration between a high school laboratory project, findings by independent researchers, research & development by a private food laboratory project (in this case is my family company MBRIO Food Safety), and voluntary field tests by local tofu makers, before being scaled-up through a collaboration with a multinational agricultural business company. After rigorous safety tests, plant improvements, and inspections, the Indonesian FDA 'BPOM' approved PALATA as a novel natural preservative for tofu in 2017.

After PALATA was legally approved, the Indonesian FDA decided to support more extensive integration of PALATA into tofu production centers to continue the attempt to eradicate the use of formaldehyde. In August 2018, there was a meeting between the whole team and the Indonesian FDA representatives to formalize the transition for more extensive production. I had been a research & development scientist on the project, and now focused on being the science communicator of the project. During my visit, I handled the makings of our **website** (<http://www.palata.co/>) and our **documentary video**: (<https://www.youtube.com/watch?v=oVeOuFKkVbg&feature=youtu.be>).

Altogether, I am very fortunate to receive the Phi Tau Sigma Dr. Daryl B. Lund International Travel Scholarship in 2018, for I could make a very productive visit for the project that is bringing positive changes to the consumers and food industry in Indonesia. In particular, it has been an exceptional experience to be involved in an innovation-based collaboration between academia, industry, community, and government.

Interestingly, the project reminds me of Prof. Daryl B. Lund himself, who has been making positive impacts for international food science communities, including Indonesia. In fact, Prof. Daryl B. Lund is a renowned food scientist in Indonesia for his significant role in modernizing food science education through Bogor Agricultural University and being a graduate advisor for current leading Indonesian food scientists.



Figure 1 Amadeus (second from left) with PALATA team members and the Indonesian FDA board members.

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.)

Mail your check to: **Kantha Shelke, Ph.D.** (Do **not** address to Phi Tau Sigma.)
33 West Ontario, Suite 57F, Chicago, IL 60654.

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, Honorary Society Advancement Fund, or the President's Fund.

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, Amy Simonne, Ph.D. at: asim@ufl.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, 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 at: www.phitausigma.org/store.

Editorial: Time for change!

(Contributed by Daryl Lund, Ph.D., outgoing Treasurer, and new Assistant Treasurer of Phi Tau Sigma)

In 2006 following the presidency of Roger Clemens, DrPH, I had the privilege to serve as the President of Phi Tau Sigma. Roger suggested that an agenda for the year might be to initiate a renewal of the spirit and activity of Phi Tau Sigma. I had the opportunity to serve a second year and, in that time, found that there were volunteers who also felt that the Honor Society could be more than it was. Thus, began a thrust in rebuilding Phi Tau Sigma.

In 2009 I became Treasurer of the organization and have held that position since. It is amazing that we have come from presenting only the Dr. Carl R. Fellers Award annually to presenting the Dr. Gideon "Guy" Livingston Scholarship, three Achievement Scholarships, the Dr. Daryl B. Lund International Travel Scholarship, the Founders' Scholarship, the Special Recognition Award, and the Chapter of the Year Award. The endowment has grown from \$97,000 to over \$165,000, and the Society goes into the fiscal year having cash in excess of the administrative expenses, the Dr. Fellers Award and the Dr. Livingston Scholarship. The remaining scholarships and awards have been covered by generous individual and corporate donations. As the saying goes, "You've come a long way, Baby!"

However, there is a time to sow and a time to reap. I hope I have sown sufficiently to assist Phi Tau Sigma on its continuing journey in recognition of excellence in academic endeavors and leadership. I am engaged in this, not because we should be elitist and recognize specific individuals, but because, through this recognition, we instill in the recipients the desire to further achieve and contribute to enhancing our profession. On September 1, Kantha Shelke became Treasurer and I became Assistant Treasurer. I am not leaving Phi Tau Sigma, just stepping back a little, as it should be. Thank you for giving me the opportunity and trust to serve as your Treasurer these past 9 years.

Note from the Executive Director and Newsletter Editor: Daryl, thank you for your dedicated service. And especially thank you for being a sounding board for me, and a source of support and encouragement. I am glad you are just 'stepping back a little'. A stepping away would be too drastic and traumatic. I am looking forward to the smooth transfer to our new Treasurer, Dr. Kantha Shelke.



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., Afef Janen, Ph.D., Hossein Daryaei, Ph.D., Tianxi Yang, Ph.D., and Yiren Yue, B.S. (Ph.D. Candidate). 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 (97-2003 compatibility mode) to Editor Kathryn L. Kotula, Ph.D. at klkotula@msn.com or Associate Newsletter Editor Claire Zoellner 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/membership-nomination-form-pdf/>
<http://www.phitausigma.org/membership-nomination-form-word/>

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/>

Donors, Sponsors, and Contributing Partners:

Phi Tau Sigma accepts donations and has a variety of available sponsorship opportunities.

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.

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

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 Phi Tau Sigma monthly Newsletter. Sponsorships of awards and scholarships are also available at levels of contribution sufficient to cover the associated cost of the award or scholarship. Endowments are also accepted.

Sponsorship opportunities are available for the Phi Tau Sigma Annual Recognition Event, 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, as well as the Program fund and the General fund. There are also endowment opportunities for student scholarships named for the sponsoring company.

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.

Bronze (\$5000)

- 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 "Donation" or "Sponsorship" in the subject line.

2018-2019 Sponsors and Donors:

Dr. Mary K. Schmidl is the President-Elect 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.

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.

Dr. Rakesh K. Singh is the President of Phi Tau Sigma, a Lifetime Member; and is Professor and Head of Department of Food Science & Technology at the University of Georgia. He is also a Fellow of IFT and Editor-in-Chief of LWT – Food Science and Technology. (Sponsorship of a Phi Tau Sigma Student Achievement Scholarship.)

David K. Park, M.S., Phi Tau Sigma Lifetime Member, is Principal, Food-Defense, LLC, providing expert food safety / food defense, USFDA and USDA-FSIS Process Authority 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 Scholarship.)

Nina Teicholz, M.Phil. is an investigative science journalist and author. Her international bestseller, *The Big Fat Surprise* has upended the conventional wisdom on dietary fat—especially saturated fat. The executive editor of "The Lancet" wrote, "this is a disquieting book about...ruthless silencing of dissent that has shaped our lives for decades ... researchers, clinicians, and health policy advisors should read this provocative book." *The Big Fat Surprise* was named a 2014 *Best Book* by *The Economist*, *the Wall Street Journal*, *Forbes*, *Mother Jones*, and *Library Journal*. Teicholz is also the Executive Director of The Nutrition Coalition, a non-profit group that promotes evidence-based nutrition policy. She is a graduate of Stanford and Oxford Universities and previously served as associate director of the Center for Globalization and Sustainable Development at Columbia University. Teicholz is the only journalist to date to be elected to Phi Tau Sigma. (Donation towards a Phi Tau Sigma Scholarship, and Phi Tau Sigma programs.)

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. (Sponsorship of the Dr. Daryl B. Lund Student International Travel Scholarship.)