



100th Annual Meeting & Expo Business and Awards Recognition Breakfast

Rosen Shingle Creek, Orlando, Florida, USA
May 5, 2009





AOCS Business Meeting and Awards Recognition Breakfast

Sponsored by
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 CORPORATION OF AMERICA



Outgoing Governing Board
 President, Casimir Akoh



Incoming Governing Board
 President, Ian Purtle

AOCS 2008–2009 Governing Board

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Publications Chairperson:	Robert Moreau
Technical Chairperson:	Keith Grime

Award Sponsors

AOCS thanks all award sponsors for their generous support. Sponsors make it possible for AOCS and its groups to recognize outstanding scientists, researchers, technicians, and students for their years of service within the fats and oils community.

AkzoNobel, Inc.
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 Nicholas Pelick
 Milton Rosen
 Vijai K.S. Shukla
 The Soap and Detergent Association (SDA)
 Supelco, Inc.
 Thomas Smouse and Family

Each year, the AOCS and its component groups present awards to recognize accomplishments by individuals in the realm of fats, oils, and related materials. Recipients range from longtime AOCS Members who have spent years in their specialties, to graduate students who are just beginning their careers.

Most awards are presented at Division events or at the Award lectures. The Society and Scientific awards will be presented as part of this morning's event.

AOCS congratulates each of the 2008–2009 award recipients.

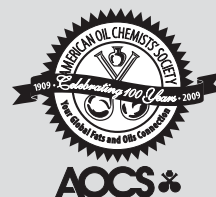


2009 Annual Meeting Business Agenda

Call to Order	Hastert
Welcome and Announcements	Akoh
Approval of Minutes	Akoh
Bylaw Changes	Akoh
Foundation Report	Boyer
Nominations and Elections Committee Report	Bollheimer
Retiring President's Address	Akoh
Passing of the Gavel	Akoh
Presentation of Past President's Key	Purtle
Incoming President's Address	Purtle
Award Presentations	Purtle
Adjournment	Purtle
Keynote Address	Burrus

Keynote Presentation

This special 100th Anniversary keynote presentation will discuss technology-driven change and provide valuable insights into the opportunities yet to come, preparing you to capitalize on the next wave of technological change.



Proposed Changes to AOCS Bylaws

Article VII Officers

Section 7. Treasurer. The Treasurer is the principal accounting and financial officer of the Society and has charge of and is responsible for the maintenance of adequate books of account for the Society; has charge and custody of all funds and securities of the Society, and is responsible therefore, and for the receipt and disbursement thereof; deposits all funds and securities of the Society in such banks, trust companies or other depositories that are selected in accordance with these Bylaws; requests an annual audit of the Society's books conducted by a certified public accounting firm; serves as Chairperson of the Financial Steering Committee; and, in general, performs all of the duties customarily performed by a corporation's treasurer and other duties that the President or the Governing Board assigns. The Treasurer's duties may be assigned in whole or in part to the chief staff executive.

Article IX Committees

Section 1. Standing Committees

(b) Steering Committees

(1) Chair. The Secretary is chair of the Membership Services Steering Committee. The Treasurer is vice chair of the Financial Steering Committee. The Governing Board appoints the chairs of the other steering committees. Upon the recommendation of the Executive Committee, the Governing Board appoints the second

vice chairs of all steering committees from among the Governing Board's members-at-large. The President may appoint the first vice chair of all steering committees in consultation with the steering committee's chair.

(2) Term. The chairs of the Education and Meetings, ~~and the Technical, and the Financial Steering~~ Committees may serve no more than two consecutive three-year terms, which terms must be staggered so that no full terms expire in the same year. The chair of the Publication Steering Committee may serve no more than two consecutive full five-year terms.

(3) Meetings. All steering committees meet at least annually at a time and place determined by each committee's chair. ~~The Financial Steering Committee will meet at least twice annually at a time and place determined by the committee chair.~~ A special meeting of a steering committee may be called by its chair, the chief staff executive, or any two committee members. All steering committee actions must be in writing and reported to the Governing Board.

Rationale and Background: *The work of the Budget and Investment Committees was merged into the Financial Steering Committee, providing a more efficient use of the combined resources. To provide independent oversight of the Society's finances, the chairperson of the Financial Steering Committee will be appointed by the AOCS Treasurer with Board approval. The Treasurer, as vice chair of the committee, will provide the communication link between the committee and the Governing Board.*



Keynote Address

TECHNOTRENDS®: The Big Ideas that are Changing Everything.

Daniel Burrus,
Founder and CEO,
Burrus Research, USA.



We are standing at the base of a mountain of technology-driven change. Technology allows us to do things that were previously impossible, but you can't use a tool if you don't know that it exists! Understanding the new challenges and opportunities that will result from accelerating change, and applying the best tools to accomplish your goals, are essential. Over the past two decades, Daniel Burrus has established a worldwide reputation for his exceptional record of predicting accurately how technological, social, and business forces are converging to create enormous, untapped opportunities. In this eye-opening presentation, the author of the international best seller, *Technotrends*®, takes you to the next level by sharing valuable insights into the opportunities yet to come.

Daniel is the founder and CEO of Burrus Research, a research and consulting firm based in Minnesota, USA, that monitors global advancements in technology-driven trends.

In 1983, Burrus became the first and only futurist to accurately identify the 20 technologies that would become the driving force of business and economic change for decades to come. Since then, he has continued to establish a worldwide reputation for his exceptional record of predicting the future of technological change and its direct impact on the business world.

His interest in research became apparent in his third year of college, when Burrus became one of the first undergraduates in the nation to direct a federal research grant. He has founded and managed five businesses, two of which were national leaders in their first year. As a highly successful entrepreneur, he knows how to translate research findings into practical business advantages.

Burrus' client list encompasses a wide range of industries, and includes many Fortune 500 companies such as GE, IBM, Oracle, Microsoft, DuPont, Yahoo!, Toshiba, American Express, Northwestern Mutual, ExxonMobil, and Sara Lee. He has been the featured subject of a PBS special, has appeared on programs such as Larry King Live, CNN, and Bloomberg, and is quoted in a variety of publications, including *USA Today*, *Fortune*, and *Industry Week*.



Society Awards

Award of Merit

The Award of Merit is presented annually for productive service to the AOCS. Leadership in technical, administrative, or special committees and activities; outstanding service that has advanced the Society's prestige, standing, or interests; and services not otherwise specifically recognized are considered.



This year, the award is presented to **George U. Liepa**, Professor, Eastern Michigan University, USA.

George Liepa has been an active AOCS Member since 1980. He established his leadership in AOCS early, with his contributions as Chairman of the Protein and Co-Products Section, and later in the development of the same Division. He has served on the AOCS Governing Board as Division Council Representative (2000–2006), Board Secretary (1998), and Board Member-at-Large (1992–1993). His contributions to AOCS are not limited to elected office. He has served as an Associate Editor for *JAOCs*, as a Publications Reviewer for *Lipids*, and as a book reviewer.

Liepa's commitment to AOCS led to a determination to do his best for the Society. Not only was his very active role in AOCS meritorious, but he did whatever he could do to advance the society's prestige and broaden the membership base by developing "hot topic" sessions and attracting extremely high-quality speakers. All of his efforts were made with unbridled enthusiasm and a positive attitude. George Liepa is being recognized for the duration of his active participation, the depth of his commitment to AOCS programs, and his ability to work with staff, membership groups, and other Governing Board Members.

George Liepa is an AOCS Fellow.

AOCS Fellow

Veteran AOCS Members whose achievements in science entitle them to exceptional recognition, or who have rendered unusually important service to the Society or to the profession, are eligible for Fellow membership status. A candidate must have been an AOCS Member for a minimum of 15 years. AOCS Fellows constitute an elite group and only 2% of the AOCS membership may be recognized as Fellows.



Philip A. Bollheimer, Bollheimer and Associates, USA, is a leader in equipment design and specification, and engineering designs of processing plants for the fats and oils industry. Philip Bollheimer has been an active Member for over 25 years. He has served in numerous positions of high responsibility including the

Governing Board President (2007), Vice President (2006), and Treasurer (2002). He has played a key role in guiding AOCS through difficult times and in redirecting the organization on a new path. He has also mentored numerous AOCS Members.



John P. Cherry, retired, United States Department of Agriculture, Agricultural Research Service, Eastern Regional Research Center, USA, is an internationally recognized authority in research leadership. Under his leadership, the Center became an internationally recognized premier food safety and research facility.

John Cherry has been an AOCS Member for 27 years and has provided outstanding service to the Society. During his tenure as Editor-in-Chief of *JAOCs*, he initiated major reforms that led to the reorganization of the entire editorial staff. This change helped set *JAOCs* on a new course to better serve the membership. In addition, John



Cherry was an officer of the Protein and Co-Products Division, serving as chairperson in 1992.

John Cherry is a Fellow of the Institute of Food Technologists and the American Chemical Society, and has received two prestigious U.S. Presidential Rank Awards (1992, 2001).



Robert A. Moreau, Research Chemist, United States Department of Agriculture, Agricultural Research Service, Eastern Regional Research Center, USA, is a researcher whose contributions range from the most fundamental to applied. His pioneering work includes high-performance liquid chromatography and the evaporative light-scattering detector, corn milling technology, and more recently, the charged aerosol detector. The breadth of his work reaches across the industry, through the development of analytical methods; the solution of problems in food, feed, and industrial applications; and the enhancement of the nutritional attributes of refined grain products.

Robert Moreau has been an active member of AOCS for almost 20 years, serving as Publications Steering Committee Chairperson (2002–present), Associate Editor for *Lipids* (1997–present), contributing Editor for *inform* (1993–present), Canvassing Chairperson for the Schroepfer Award (2003–present), and chairperson for numerous technical sessions. He led the establishment of the partnership of AOCS' Journals with Springer, which has had a profoundly positive effect on the journals and the Society.

Robert Moreau received the Herbert Dutton Award (2006) and the 1998 ARS Technology Transfer Award for the development of "Amazing Oil."



Photo by Pierre Zoetterman

Ragnar Ohlson, retired, Sweden, is an internationally recognized authority on rapeseed for both the oil and protein products. He was Research Manager for many years at Karlshamn and has held several academic positions in Sweden. He was one of the first to use gas–liquid chromatography, nuclear magnetic resonance, differential scanning calorimetry, and x-ray diffraction for lipid analysis and other applications. He also initiated research and development activities focused on new biobased products from renewable resources.

Ragnar Ohlson has been a member for over 45 years and has contributed much to the Society. Most notably, he was the General

Secretary of the International Society for Fat Research (ISF) for over 10 years, and was instrumental in AOCS being named the Secretariat for the ISF. Ragnar Ohlson was on the AOCS Governing Board during the period when Divisions were being formed and brought an international perspective. He was involved in the formation of the AOCS European Section. These actions were instrumental in making AOCS more international.

Ragnar Ohlson was awarded the Lewkowitsh Lecture Award, given by The Society of Chemical Industry, United Kingdom. He is also a member of the Royal Swedish Academies of Agriculture and Forestry and Engineering Sciences, by appointments of the King of Sweden.



Kathleen Warner, Lead Scientist, United States Department of Agriculture, Agricultural Research Service, National Center for Agricultural Utilization Research, USA, has made significant contributions and established a national and international reputation in lipid oxidation, antioxidants, and frying oil chemistry.

Kathleen Warner has been an AOCS Member for over 30 years and served as a Governing Board Member (1993–1998), Associate Editor of *JAOCs* (1992–1998), and Technical Program Chair for the 1998 AOCS Annual Meeting & Expo. She has served on numerous technical methods committees, including the Uniform Methods committee (1988–present), as well as serving as Chair of the Flavor Quality and Stability technical committee (1988–present). She has also served as Chairperson of the Lipid Oxidation and Quality Division (1991).

Corporate Achievement Award

BUNGE

The Corporate Achievement Award recognizes industry achievements for an outstanding process, product, or contribution that has made the greatest impact on its industry segment. This year's award recognizes **Bunge Oils** for creative and innovative research and development, leading to the introduction of more healthful food oils in the marketplace. Bunge's Nutra Blanche/Nutra Frye and Donut Fry are results of Bunge Oils' commitment to reduce and eliminate *trans* fatty acids in shortening oils without altering their taste and functionality. Bunge Oils is a leader in developing *trans*-free solutions for the food industry.



Scientific Awards

For detailed information on award lecture schedules, please refer to the AOCs Annual Meeting & Expo printed program guide.

Supelco/Nicholas Pelick–AOCs Research Award

The Supelco/Nicholas Pelick–AOCs Research Award was established to recognize outstanding original research, as presented in high-quality technical papers regarding fats, oils, lipid chemistry, or biochemistry. Supelco, Inc., a subsidiary of Sigma Aldrich Corp., and Nicholas Pelick, a longtime member and past President of the AOCs, are the sponsors of this award.



Thomas A. Foglia, Collaborator, United States Department of Agriculture, Agricultural Research Service, Eastern Regional Research Center, USA, is this year's recipient of the Supelco/Nicholas Pelick–AOCs Research Award. The award consists of a plaque, a \$10,000 honorarium, and travel expenses.

Thomas Foglia is an internationally known scientist in lipids research and has demonstrated a high degree of originality in various areas, such as lipid chemistry, the development of analytical methods, biochemistry, and enzyme catalysis. He is a leader in the enzymatic modification of lipids to add value to agricultural raw materials for food and nonfood use. His methods on the enzymatic production of biodiesel, structured lipids, and oxygenated fatty acids have greatly contributed to the advancement of fats and oils research. Foglia has published over 240 peer-reviewed articles, book chapters, and patents. His breadth of work reaches across the industry, including the development of analytical methods, the solution of problems in oleochemical applications, and biotechnology.

Foglia represents the highest ideals of professional leadership, scientific knowledge, personal character, and fellowship. He has

received numerous research and achievement awards including the Alton E. Bailey Award (1996), the White House Closing the Circle Team Award (2001), and the Kaufmann Award of the International Society for Fats (2005). He was President of the Society in 2002.

Thomas Foglia will give the award address, "Value-Added Products from Fats and Oils," on Tuesday, May 5, at 1:30 p.m.

Stephen S. Chang Award

The Stephen S. Chang Award was established to recognize a scientist, technologist, or engineer who has conducted distinguished basic research that has been used by industry for the improvement or development of products related to lipids. The late Stephen S. Chang and his wife, Lucy D. Chang, endowed this award.



Nissim Garti, Professor, The University of Jerusalem, Israel, is this year's recipient of the Stephen S. Chang Award. The award consists of a jade horse and an honorarium of \$5,000.

Nissim Garti has published over 300 scientific research publications and close to 100 patents. His area of expertise spans interfacial chemistry for the synthesis of surfactants to the development of liquid crystals used as delivery vehicles for pharmaceuticals and nutraceuticals. His contributions to fundamental science have been important; however, his greatest contributions have been in applied science.

Garti is the inventor of the synthetic method used worldwide for the manufacture of sodium stearoyl lactylate (SSL). He invented the famous one-step reaction process for the esterification reaction between fat and lactic acid at an emulsion interface. There are 14 plants around the world producing SSL using this technology. More recently, Garti



founded Nutralease, a company that specializes on making emulsifier nano-sized transport vehicles for the solubilization and transport of nutraceuticals through the body's membranes. This technology is now used by several beverage companies.

Garti was awarded a Presidential Award, bestowed by both the Israeli and U.S. governments, and the prestigious Rockefeller Award.

Nissim Garti will give the award address, "Novel Fluid Lipid-based Nano Architectures for Enhanced Delivery of Nutraceuticals and Drugs," on Tuesday, May 5, at 11:15 a.m.

AOCs Young Scientist Research Award

The AOCs Young Scientist Research Award recognizes a young scientist who has made a significant and substantial research contribution in one of the areas represented by the Divisions of AOCs. The award consists of a plaque, a \$1,000 honorarium, and financial support to attend the AOCs Annual Meeting & Expo. Prof. Dr. Vijai K.S. Shukla and the International Food Science Centre A/S, Denmark, sponsor the award.



Ken D. Stark, Assistant Professor, University of Waterloo, Canada, is this year's recipient.

Ken Stark is internationally recognized for his leadership role in experimental nutrition and food science research. During the past few years, he has become a leader in developing needed tools and insights. He is now optimizing biomedical tools that will help quantitate

and interpret diet-induced diseases. His recent research has provided practical insights on North American intakes of omega-3 fatty acids and strategies to increase these intakes. Research results will help revolutionize primary prevention of cardiovascular disease and many other diet-induced disorders.

Stark has published over 20 peer-reviewed articles since 2000, and serves as first author or primary investigator on 17 of those articles. He has presented his work at many meetings, and he has regularly been asked to speak to various scientific and general audiences, including interviews on television and radio. He was an AOCs Honored Student in 2000 and received the Young Investigator Grant from the International Society for the Study of Fatty Acids and Lipids Congress in 2006.

Ken Stark will give the award address, "Omega-3 Fatty Acid Profiling and Dietary Forensics," on Wednesday, May 6, during the General Health and Nutrition I session.



Section and Division Awards

For detailed information on award lecture schedules, please refer to the AOCs Annual Meeting & Expo printed program guide.

SDA/NBB Glycerine Innovation Award

This award was established to recognize outstanding achievements for research into new applications for glycerine, with particular emphasis on commercial viability. The award is sponsored by The Soap and Detergent Association and the National Biodiesel Board, offered through the Industrial Oil Products Division, and consists of a \$5,000 honorarium and a plaque.



The winner of this award is **Casimir C. Akoh**, The University of Georgia, USA. The award address is entitled, "Applied Biocatalysis—Endless Possibilities!"



This year's recipients are the research team of **Zoran S. Petrovic** (above left), **Ivan J. Javni** (above center), and **Mihail Ionescu** (above right), Pittsburg State University, USA. The award address is entitled, "Glycerin-based Polyols of High Biobased Content for Polyurethane Foams."

Biotechnology Division Lifetime Achievement Award

This award was developed to honor outstanding lifetime performance and meritorious contributions to an area of interest to the AOCs Biotechnology Division. The award consists of a \$3,500 honorarium and a plaque. Novozymes A/S sponsors the award.

USB's Industrial Uses of Soybean Oil Award

This award recognizes outstanding research into new industrial applications or uses for soybean oil. The award is sponsored by the United Soybean Board (USB), offered through the Industrial Oil Products Division, and consists of a \$3,000 honorarium and a plaque.



This year's recipient is **Thomas A. Foglia**, United States Department of Agriculture, Agricultural Research Service, Eastern Regional Research Center, USA. The award address is entitled, "Biobased Products and Fuels."

Samuel Rosen Memorial Award

This award recognizes a significant advancement or application of the principles of surfactant chemistry by a chemist working in the industry. The contribution recognized may be in the form of a scientific publication, a patent, or the development of a new product. The award is sponsored by Milton Rosen to recognize his father, Samuel Rosen, who worked as an industrial chemist on the formulation of printing inks for more than



forty years. The award, offered through the Surfactants and Detergents Division of the AOCS, consists of a \$2,000 honorarium and a plaque.



Michael F. Cox, Consultant, USA, is the recipient of the award. The award address is entitled "The Rise and Fall of Surfactants Lore."

Herbert J. Dutton Award

The Herbert J. Dutton Award is sponsored by the Analytical Division of the AOCS, and is given to a scientist who has made significant contributions to the analysis of fats and oils, or for work that has resulted in major advances in the understanding of processes utilized in the fats and oils industry. The award consists of a plaque and a \$1,000 honorarium.



This year's recipient is **Jiann-Tsyh (Ken) Lin**, United States Department of Agriculture, Agricultural Research Service, Western Regional Research Center, USA. The award address is entitled "Regiospecific Quantifications of Triacylglycerols Containing Ricinoleate and Dihydroxy Fatty Acids in Castor Oil by MS."

Timothy L. Mounts Award

This award was established to recognize research accomplishments relating to the science, technology, or applications of edible oils or derivatives in food products. The award is offered through the Edible Applications Technology Division of the AOCS, and consists of a \$500 honorarium and a plaque.



This year's recipient is **Koen Dewettinck**, Ghent University, Belgium. The award address is entitled "Factors Governing the Microstructure of Complex Food Systems."

Alton E. Bailey Award

Since 1959, the North Central Chapter of the USA Section has used the Alton E. Bailey Award to recognize outstanding research and exceptional service in the field of lipids and associated products. The award commemorates Alton E. Bailey's great contributions to the field of fats and oils as a researcher, an author of several standard books in the field, and a leader in the work of the Society. The award consists of a \$750 honorarium and a plaque.



Albert J. Dijkstra, France, is the recipient of the award. The award address is entitled "Interesterification Revisited."

Processing Division Distinguished Service Award

This award recognizes and honors an individual who has shown outstanding, meritorious service to the oilseed processing industry or to the Processing Division over a substantial amount of time.

This year's award is presented to **Leroy Venne**, retired, USA.

Surfactants and Detergents Division Distinguished Service Award

This award recognizes and honors an individual who has shown outstanding, meritorious service to the surfactants, detergents, and soaps industry or to the Surfactants and Detergents Division over a substantial amount of time.

This year's award is presented to **Warren Schmidt**, Shell Chemical Co., USA.



Best Paper Awards

Best Paper Award presentations are scheduled as part of the Division's luncheon or dinner programs.

Edwin Frankel Award for Best Paper in Lipid Oxidation and Quality

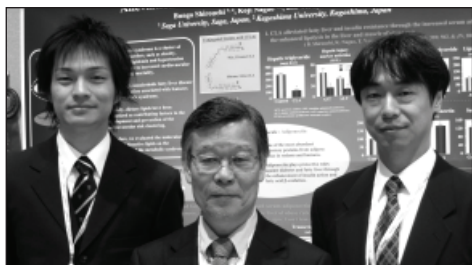
The Lipid Oxidation and Quality Division Best Paper Award is presented annually to the authors of the best paper relating to lipid oxidation or quality, published during the past year in AOCS Press publications.



This year's recipients are **Taina I. Pajunen** (above left), **Mikael P. Johansson**, **Tapio Hase**, and **Anu Hopia** (above right) for the paper "Autoxidation of Conjugated Linoleic Acid Methyl Ester in the Presence of α -Tocopherol: The Hydroperoxide Pathway." (*Lipids*, vol. 43, no. 7: pp. 599–610)

Phospholipid Division Best Paper Award

The Phospholipid Division Award for Best Paper is presented annually to the author(s) of the best paper relating to phospholipids published during the last year. The Phospholipid Division of the AOCS and the International Lecithin and Phospholipid Society (ILPS) sponsor this award.



(Left to Right) **Bungo Shirouchi**, **Teruyoshi Yanagita**, and **Koji Nagao**

This year's recipients are **Bungo Shirouchi**, **Koji Nagao**, **Nao Inoue**, **Takeshi Ohkubo**, **Hidehiko Hibino**, and **Teruyoshi Yanagita**, for

the paper "Effect of Dietary Omega-3 Phosphatidylcholine on Obesity-Related Disorders in Obese Otsuka Long-Evans Tokushima Fatty Rats." (*Journal of Agricultural and Food Chemistry*, vol. 55, no. 17: pp. 7170–7176)

Archer Daniels Midland Award

The Archer Daniels Midland Award is presented annually to the authors of the best paper relating to proteins and co-products published during the past year in AOCS Press publications. Archer Daniels Midland and the Protein and Co-Products Division of the AOCS sponsor the award.

This year's recipients in the chemistry/nutrition category are **Shao Bing Zhang**, **Zhang Wang**, and **Shi Ying Xu** for "Antioxidant and Antithrombotic Activities of Rapeseed Peptides." (*JAOCs*, vol. 85, no. 6: pp. 521–527)



This year's recipients in the engineering/technology category are **Eduarda M. Bairy**, **Susan M. Tosh** (at left), **Milena Corredig**, **Lorna Woodrow**, and **Vaino Poysa** for "Protein Subunit Composition Effects on the Thermal Denaturation at Different Stages During the Soy Protein." (*JAOCs*, vol. 85, no. 6: pp. 581–590)

The Soap and Detergent Association Distinguished Paper Award

The Soap and Detergent Association (of the United States) Award is presented annually to the authors of the best technical paper appearing during the preceding year in the *Journal of Surfactants and Detergents (JSD)*, a publication of AOCS Press. The Soap and Detergent Association, along with the Surfactants and Detergents Division of the AOCS, sponsor this award. The award consists of a plaque presented by The Soap and Detergent Association.

This year's recipients are **Edgar J. Acosta**, **Jessica Sh. Yuan**, and **Arti Sh. Bhakta** for "The Characteristic Curvature of Ionic Surfactants." (*JSD*, vol. 11, no. 2: pp. 145–158)



Student Awards

For detailed information on award lecture schedules, please refer to the AOCs Annual Meeting & Expo printed program guide.

Thomas H. Smouse Memorial Fellowship

The Archer Daniels Midland Foundation, AOCs, AOCs Foundation, and the family and friends of Dr. Smouse have established a fellowship program designed to encourage and support outstanding graduate research in a field of study consistent with areas of interest to the AOCs.



Thrandur Helgason of University of Iceland, Iceland, is awarded the Thomas H. Smouse Memorial Fellowship for the 2009–2010 academic year.

Honored Student Awards

The Honored Student Award recognizes graduate students at any institution of higher learning, in any area of science dealing with fats and lipids, who are doing research toward an advanced degree and who are interested in the areas of science and technology. Twelve students have been selected to receive special recognition for their academic studies and research. These students have received financial support to attend the meeting and each will be presenting a technical paper as part of the technical program. The 2009 recipients are:



Idit Amar-Yuli is a graduate student in the Casali Institute of Applied Chemistry at The University of Jerusalem, Israel. She is recognized for her research in hexagonal liquid crystals and hexosomes structural modifications and solubilization. Idit expects to receive her doctorate degree in 2009.



Young-Hee Cho is a graduate student in the Food Science Department at the University of Massachusetts, USA. She is recognized for her research in utilization of interfacial engineering to design structured delivery systems with better stability to oxidation and environmental stresses and tunable release of active components. Young-Hee expects to receive her doctorate degree in the third quarter of 2009.



Rivka Efrat is a graduate student in the Casali Institute of Applied Chemistry at The University of Jerusalem, Israel. She is recognized for her research in stable nanoparticles cubic systems (cubosomes and micellosomes) for solubilization of active molecules. Rivka expects to receive her doctorate degree in 2009.



Jose A. Gerde is a graduate student in the Food Science and Human Nutrition Department at Iowa State University, USA. He is recognized for his research in antipolymerization agents in lipid-based systems. Jose expects to receive his doctorate degree in May 2010.



Megan Tippetts is a graduate student in the Nutrition and Food Sciences Department at Utah State University, USA. She is recognized for her research in the effect of cooling rate on the stability of anhydrous milk fat/soybean oil-in-water emulsions. Megan expects to receive her doctorate degree in May 2012.



Thrandur Helgason is a graduate student in the Food Science and Nutrition Department at the University of Iceland, Iceland, and is currently attending at the University of Hohenheim, Germany. He is recognized for his research in solid lipid nanoparticles to improve delivery of bioactive compounds. Thrandur expects to

receive his doctorate degree in September 2010.



Chibuikwe C. Udenigwe is a graduate student in the Department of Human Nutritional Sciences at the University of Manitoba, Canada. He is recognized for his research in the structure-function properties of flaxseed protein-derived bioactive peptides. Chibuikwe expects to receive his doctorate degree in October 2010.



Charles Eric Hodgman is a graduate student in the Agricultural and Biological Engineering Department at Purdue University, USA. He is recognized for his research in a metabolic approach for increasing lipid storage in *Yarrowia lipolytica* grown on glycerol. Eric expects to receive his master's degree in May 2009.



Jeroen Vereecken is a graduate student in the Food Safety and Food Quality Department at Ghent University, Belgium. He is recognized for his research in fat structuring of margarine and other fat-containing products to develop more healthful products. Jeroen expects to receive his doctorate degree in January 2010.



Bena-Marie Lue is a graduate student in the Department of Molecular Biology at University of Aarhus, Denmark. She is recognized for her research in the use of room temperature ionic liquids as media in the biosynthesis of flavonoid ester compounds. Bena-Marie expects to receive her doctorate degree in the second quarter of

2009.



Thaddao Waraho is a graduate student in the Food Science Department at the University of Massachusetts, USA. She is recognized for her research in the oxidative stability of oils, and in particular, how minor components in the oil influence lipid oxidation chemistry in oil-in-water emulsions. Thaddao expects to receive her doctorate degree in 2009.



Bernhard A. Seifried is a graduate student in the Department of Agricultural, Food and Nutritional Science at the University of Alberta, Canada. He is recognized for his research in the microencapsulation of fish oil using supercritical carbon dioxide technology. Bernhard expects to receive his doctorate degree in December 2009.

The following have contributed to the 2009 Honored Student Program. The AOCS gratefully acknowledges their support to further education in the fats and oils industry.

Nu-Chek-Prep, Inc.

We would also like to thank the many AOCS members who contributed to the 2009 Honored Student Fund by including a donation with their membership dues.



Manuchehr (Manny) Eijadi Award

The Manuchehr (Manny) Eijadi Award recognizes the outstanding merit and performance of an Honored Student who will present a paper at the AOCs Annual Meeting & Expo. This award is derived from the funds contributed by Manny Eijadi, a longtime active member of the AOCs. The award consists of a plaque and \$1,000 to be used for continued education in the fats and oils field.



Charles Eric Hodgman of Purdue University, USA, is the recipient of the award.

Peter and Clare Kalustian Award

The Peter and Clare Kalustian Award recognizes the outstanding merit and performance of an Honored Student. The award is supported by the Kalustian estate and includes a certificate and a \$1,000 honorarium.



Jose A. Gerde, Iowa State University, USA, is the recipient of the award.

Ralph H. Potts Memorial Fellowship

The Ralph H. Potts Memorial Fellowship is presented annually to a graduate student working in the field of chemistry of fats and oils and their derivatives. The type of research that qualifies for the award involves fatty acids and their derivatives, such as long-chain alcohols, amines, and other nitrogen compounds. The award consists of a \$2,000 honorarium and a plaque. It is sponsored by AkzoNobel, Inc. to recognize the late Ralph H. Potts, a pioneer in industrial research and technology of fatty acids.



Thu T. Nguyen graduate student in the Biological and Materials Engineering Department at the University of Oklahoma, USA, is the recipient of Ralph H. Potts Memorial Fellowship. She is recognized for her research in vegetable oil extraction using reverse micellar microemulsions of diesel for biodiesel application. Thu expects to receive her doctorate degree in May 2009.

Analytical Division Student Award

This award recognizes outstanding graduate students presenting in the field of lipid analytical chemistry at the AOCs Annual Meeting & Expo. The award consists of a \$250 honorarium and a certificate.



Gerard G. Dumancas, Oklahoma State University, USA, for the paper "Direct Calibration Method for the Direct Determination of Lipids," which will be presented during the General Analytical I session.



Rahul Kumar Lall, University of Arkansas, USA, for the paper "A Rapid, Micro FAME Preparation Method for Vegetable Oil Fatty Acid Analysis by Gas Chromatography," which will be presented during the Developments in Fatty Acids Analysis session.

Biotechnology Division Student Excellence Award

The award recognizes outstanding papers in the field of biotechnology presented by students at the AOCs Annual Meeting & Expo. Award recipients will receive an honorarium and a certificate.



Vladimira Hanusová, Slovak University of Technology, Slovak Republic, for the paper "Biotechnological Regulation of Carotenoid Pigments Overproduction by Red Yeasts," which was presented during the Biotechnology Poster session.



Ashanty M. Pina-Rodriguez, The University of Georgia, USA, for the paper "Enzymatic Modification of Amaranth Oil for Possible Infant Formula Application," which was presented during the Biocatalysis I session.

Xue-Mei Zhu, Chungnam National University, Republic of Korea, for the paper "Preparation of *trans*-free Stick Margarine Stock from Pine Nut Oil and Palm Stearin by Lipase-Catalyzed Interesterification," which was presented during the Biotechnology Poster session.

Edible Applications Technology Division Student Excellence Award

This award recognizes an outstanding graduate student doing research toward an advanced degree in the edible applications field. The award consists of \$500 to help defray expenses to attend and present at the AOCS Annual Meeting & Expo, and a certificate.



Vanessa NaciukCastelo-Branco, Universidade Federal do Rio de Janeiro, Brazil, for the paper "Total Antioxidant Capacity of Vegetable Oils is Determined by α , β and γ Tocopherols and not by δ -Tocopherol" which will be presented during the General Edible Applications Technology session.

Health and Nutrition Division Student Excellence Award

This award recognizes the outstanding merit and performance of a student in the health and nutrition field who will present a paper at the annual AOCS Annual Meeting & Expo. The award is sponsored by the Health and Nutrition Division of the AOCS, and includes a certificate and \$500 to be used for continued education in the fats and oils field.



John Miklavcic, University of Alberta, Canada, for the paper "Influence of Dietary Gangliosides on Prostate Cancer Biomarkers," which will be presented during the General Health and Nutrition II session.

Industrial Oil Products Division Student Award

This award recognizes an outstanding graduate student who is doing research toward an advanced degree in the industrial oil products field. The award consists of \$500 to help defray expenses to attend and present at the AOCS Annual Meeting & Expo, and a certificate.



Swapnil Rohidas Jadhav, The City College of New York, USA, for the paper "Short Chain Sugar Amphiphiles: Ambient Oil Structuring Agents," which was presented during the Industrial Oil Products Poster session.

Processing Division Student Excellence Award

This award recognizes a graduate student presenting an outstanding paper at the AOCS Annual Meeting & Expo in the processing interest area. The award recipient receives a \$250 honorarium and a certificate.



Bernhard A. Seifried, University of Alberta, Canada, for the paper "Viscosity of Fish Oil in Equilibrium with High-Pressure Carbon Dioxide," which will be presented during the General Processing session.

Hans Kaunitz Award

The Hans Kaunitz Award recognizes the outstanding performance and merit of a graduate student within the geographical boundaries of the Northeast Chapter of the USA Section. The award includes a certificate and honorarium.



The recipient of the award is **Sungwhan F. Oh**, Harvard Medical School, USA, for the paper, "E-series Resolvins Lipidomics: Profiling Biosynthesis, Actions and Metabolic Inactivation of Novel Pro-Resolving Mediators," presented during the Health and Nutrition Poster session.



Awards www.aocs.org/member/awards Call for Nominations

Each year the AOCs and its component groups present awards to recognize accomplishments by individuals in the realm of fats, oils, and related materials. Recipients range from longtime AOCs members who have spent years in their specialties to graduate students who are just beginning their careers.



Society Awards

A. Richard Baldwin Distinguished Service

This is the Society's highest service award. It recognizes long-term, distinguished service to the AOCs in positions of significant responsibility.

Nature of the Award: \$2,000, a travel-and-expense allowance, and a plaque provided by Cargill.

Deadline: November 1

AOCs Award of Merit

This award recognizes productive service to the AOCs: leadership in committee activities; service that has advanced the Society's prestige, standing, or interests; and, service not otherwise specifically recognized.

Nature of the Award: A plaque.

Deadline: November 1

✱ The award recipient must agree to attend the AOCs Annual Meeting & Expo and present an award address. The AOCs Annual Meeting & Expo will be held in Phoenix, Arizona, USA from May 16–19, 2010.

AOCs Fellow

The status of Fellow is awarded to members of the AOCs whose achievements in science entitle them to exceptionally important recognition or to those who have rendered unusually important service to the Society or to the profession.

Nature of the Award: Fellow membership status and a plaque.

Deadline: December 1

AOCs Young Scientist Research Award

This award recognizes a young scientist who has made a significant and substantial research contribution in one of the areas represented by the Divisions of the AOCs.

Nature of the Award: \$1,000 honorarium, a plaque, and a travel-and-expense allowance provided by the International Food Science Center A/S.

Deadline: November 1 ✱

Corporate Achievement Award

This award recognizes industry achievement for an outstanding process, product, or contribution that has made the greatest impact on its industry segment.

Nature of the Award: A plaque.

Deadline: November 1



Scientific Awards

Supelco/Nicholas Pelick-AOCs Research Award

This award recognizes outstanding original research of fats, oils, lipid chemistry, or biochemistry. The recipient must have published the research results in high-quality technical papers regarding fats, oils, lipid chemistry, or biochemistry.

Nature of the Award: \$10,000 honorarium, a travel-and-expense allowance, and a plaque. The award is sponsored by Supelco, a subsidiary of Sigma Aldrich Corp, and Nicholas Pelick, past president of AOCs.

Deadline: November 1 ✱

Stephen S. Chang Award

This award recognizes a scientist, technologist, or engineer whose distinguished accomplishments in basic research have been used by industries for the improvement or development of products related to lipids.

Nature of the Award: An honorarium and a jade galloping horse, symbolizing the award, provided by the Stephen and Lucy Chang endowed fund.

Deadline: October 15 ✱



The Schroepfer Medal

Originated by colleagues of George Schroepfer, this award recognizes a scientist who has made significant and distinguished advances in the steroid field. The work may represent a single major achievement or an accumulation of data.

Nature of the Award: An honorarium and a medal.

Deadline: October 15 ✨



Division Awards

SDA/NBB Glycerine Innovation Award

The Industrial Oil Products Division of the AOCs initiated this award to recognize outstanding achievement for research in new applications for glycerine with particular emphasis on commercial viability.

Nature of the Award: \$5,000 honorarium and a plaque provided by The Soap and Detergent Association and the National Biodiesel Board.

Deadline: November 1

Biotechnology Division Lifetime Achievement Award

The Biotechnology Division of the AOCs initiated this award to recognize an individual who has made significant and meritorious lifetime achievements in areas of interest to the Biotechnology Division.

Nature of the Award: \$3,500 honorarium and a plaque.

Deadline: November 1 ✨

USB Industrial Uses of Soybean Oil Award

The Industrial Oil Products Division of the AOCs initiated this award to recognize outstanding research into new industrial applications or uses for soybean oil.

Nature of the Award: \$3,000 honorarium and a plaque provided by the United Soybean Board.

Deadline: November 1 ✨

Samuel Rosen Memorial Award

Milton Rosen and the Surfactants and Detergents Division of the AOCs initiated this award to recognize a surfactant chemist for significant advancement or application of surfactant chemistry principles.

Nature of the Award: \$2,000 honorarium and a plaque provided by the endowed fund.

Deadline: November 1 ✨

Food Structure & Functionality Division Lifetime Achievement Award

The Food Structure & Functionality Division of the AOCs initiated this award to honor outstanding lifetime performance and meritorious contributions to an area of interest to the Food Structure & Functionality Division.

Nature of the Award: \$1,500 travel-and expense allowance and a crystal plaque.

Deadline: November 1

Herbert J. Dutton Award

The Analytical Division of the AOCs initiated this award to recognize an individual who has made significant contributions to the analysis of fats and oils and related products or whose work has resulted in major advances in the understanding of processes utilized in the fats and oils industry.

Nature of the Award: \$1,000 honorarium and a plaque.

Deadline: November 1 ✨

Timothy L. Mounts Award

The Edible Applications Technology Division of the AOCs initiated this award to recognize research relating to the science and technology of edible oils or derivatives in food products, which may be basic or applied in nature.

Nature of the Award: \$500 honorarium and a plaque.

Deadline: November 1 ✨

CALL FOR NOMINATIONS

Each award has its own specific and unique nomination requirements. For award consideration, it is essential that all paperwork be complete and received at AOCs by the nomination deadline. Self-nominations are welcomed and encouraged. Please refer to the AOCs awards website for the nomination requirements and submission deadlines.

ELECTRONIC SUBMISSIONS ONLY!

AOCs is accepting nomination material only by electronic communication. Window based programs (WORD) and PDF material emailed to AOCs must include the award name and candidate name in the email subject line. For complete information and entry details on all awards, please visit the AOCs Awards Program website www.aocs.org/member/awards.



Student Awards

Thomas H. Smouse Fellowship Award

This award was established by the Archer Daniels Midland Foundation and the family and friends of Thomas H. Smouse. The purpose of this graduate fellowship is to encourage and support outstanding research by recognizing a graduate student pursuing an M.S. and/or Ph.D. degree in a field of study consistent with the areas of interest of the AOCS.

Nature of the Award: The Fellowship level is up to \$15,000 (\$10,000 Fellowship, \$5,000 for travel and research expenditures related to the student's graduate program).

Deadline: February 1

Ralph H. Potts Memorial Fellowship

This award recognizes a graduate student working in the field of chemistry of fats and oils and their derivatives. Qualifying research will involve fatty acids and their derivatives, such as long-chain alcohols, amines, and other nitrogen compounds.

Nature of the Award: \$2,000 honorarium, a plaque, and travel expenses to attend the Society's Annual Meeting. The award is provided by AkzoNobel, Inc.

Deadline: October 15 

Honored Student Award

This award recognizes graduate students in any area of fats and lipids. To receive the award, a candidate must remain a registered graduate student and must not have received a graduate degree or have begun career employment prior to the Society's Annual Meeting.

Nature of the Award: Travel expenses to attend and present a lecture at the Society's Annual Meeting.

Deadline: October 15 

Kalustian and Manuchehr Eijadi Awards

Each award recognizes outstanding merit and performance of one Honored Student award recipient and includes a cash honorarium of \$1,000.

Hans Kaunitz Award

This award is supported by the Northeast Chapter of the USA Section and encourages studies in the sciences relating to fats, oils, and detergent technology. This award is open to graduate students within the geographical boundaries of the Northeast Chapter of the USA Section.

Nature of the Award: Funding to attend the Section's meeting, or the Society's Annual Meeting, and a certificate.

Deadline: February 1 

AOCS Division Awards for Students

These awards recognize students at any institution of higher learning, who are studying and doing research towards an advanced degree in fats, oils, proteins, lipids, surfactants, detergents, and related materials.

The following student awards are currently being offered by these AOCS Divisions:

● Analytical Division Student Award

● Biotechnology Student Excellence Award

● Edible Applications Technology Division Student Award

● Health and Nutrition Division Student Excellence Award

● Industrial Oil Products Division Student Award

● Processing Division Student Excellence Award

● Surfactants and Detergents Division Student Travel Award

Nature of the Award: Awards can consist of up to \$500 to help defray travel and lodging costs to attend the Society's Annual Meeting to give a technical presentation.

Deadline: Varies from October 15 to January 15

Alton E. Bailey Award

This award is supported by the North Central Chapter of the USA Section and recognizes research and/or service in the fields of fats and oils and related disciplines.

Nature of the Award: An honorarium and a plaque. The award recipient must present an award lecture at the Section's meeting, or the Society's Annual Meeting.

Deadline: November 1

AOCS Awards contact • Email: awards@aoocs.org • **Web:** www.aocs.org/member/awards