



Lipid Oxidation and Quality

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Message from the Chair

Dear Colleague,

If you are like me, you are reminded of lipid oxidation and quality on a daily, sometimes minute-by-minute, basis. Every time I prepare a meal, every time I feed my dog, the sights, aromas, and flavors remind me of lipid oxidation (or lack thereof!) and lipid quality. What a great opportunity to be members of LOQ, where we can study and understand the fundamental science of this most important quality of foods and interact with others who have a deep understanding of the science of lipid oxidation.

This fall's LOQ newsletter is packed full of information. David Johnson (Kalsec, Vice-Chair of LOQ), working with dedicated session chairs, is well down the path to a solid LOQ technical program for the [2023 AOCS Annual Meeting & Expo](#).

Also in this newsletter, Marc Pignitter (University of Vienna, Secretary-Treasurer of LOQ) gives an update on the LOQ Mentorship Program.

I want to draw special attention to the fireside chat with Mark Matlock, on November 10 at 10 a.m. CDT (Chicago, USA; UTC-05), jointly sponsored by AOCS and Euro Fed Lipids, and organized by Marc Pignitter. Mark Matlock has been a leader in lipid-oxidation research for many years. I hope you'll be able to join us as Mark shares wisdom and insights from his long and fruitful career in a casual setting.

In closing, thank you, to the many volunteers who are helping with the LOQ Awards program.

All the best,

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Renew your AOCS membership



Thank you for being a part of the AOCS community! AOCS will continue to be your resource for learning about new technologies and creating collaborations. As an AOCS member, you have access to [member benefits](#) such as AOCS journals, *INFORM* magazine, and discounts to AOCS meetings and educational courses to help you on your professional journey.

[Renew your 2023 membership today.](#)

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LOQ Mentorship Program



Back in May, the first LOQ Mentorship Program was successfully launched at the [AOCS Annual Meeting & Expo](#).

About 20 LOQ members registered and were excited to get to know their mentor/mentee and benefit from this newly formed relationship. Since then, the initial mentoring sessions took place and goals were set.

We are currently planning the digital midterm evaluation and will invite all current mentors and mentees but also all other LOQ members who might be interested in joining the program to provide feedback, ask questions, and discuss the progress of the inaugural mentoring program.

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First EFL & AOCS virtual fireside chat with Mark Matlock

November 10, 2022 at 10 a.m. CDT (Chicago, USA; UTC-05), / 5 p.m. CET

From groundbreaking discovery to market leader

We cordially invite you to our inaugural fireside chat with Mark Matlock, a pioneer and inventor in lipid science. Innovations are key drivers for the success of all organizations — industrial, academic, and governmental. They are also key for the prosperity of a society. So how do we achieve and identify groundbreaking discoveries? What are the emerging innovations in lipid science? How do we to transfer lab results to the market? How do we to become market leaders?



Make yourself comfortable and participate in a fireside chat with Mark Matlock, a renowned entrepreneur and scientist. Get insights from the revolutionary inventor/developer of OSI and enzymatic interesterifications, who transformed inventions into commercial success. Learn about Mark's challenges, motivations, and the decisions that shaped his career. Mark has mentored many scientists and will eagerly answer your questions.

The event is open to all who are interested in turning science into business with an impact on society.

Time frame: One hour

Moderator: Marc Pignitter, University of Vienna

Registration: Please register for the **free** virtual event [here](#). Click on "Online Registration" in the upper right corner of the page.

Committee:	Marc Pignitter, University of Vienna, Austria
	J. David Pinkston, ADM, Illinois, USA
	David Johnson, Kalsec, Michigan, USA

For further questions, please feel free to contact [Marc Pignitter](#).

[Register now](#)

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Submit your research for the 2023 AOCS Annual Meeting & Expo

The [call for papers](#) for the [2023 AOCS Annual Meeting & Expo](#) is officially open!

The lipid oxidation and quality program organizer, David Johnson, has been working with session chairs to create an impactful lineup of sessions that could feature your research. Take a look at a few highlights:

Role of protein in lipid oxidation

Proteins as ingredients in lipid-rich food systems; proteins as antioxidants; hydrolyzing proteins to peptides; metal chelating peptides; proteins as substrates for complex oxidation reactions; predicting antioxidant activity in peptides.

Session chairs: Mads Bjørlie, PhD Student, National Food Institute, Denmark; Charlotte

Jacobsen, Professor/Leader, National Food Institute, Technical University of Denmark, Denmark; and Matthew Phaner, Chair and Associate Professor of Chemistry, University of Michigan- Flint, USA

Understanding and controlling oxidation in complex food systems and snacks

Research aimed at better understanding the mechanism and prevention of oxidation in complex food systems, including emulsions, protein-based foods, and snacks.

Session chairs: Jennifer Young, Senior Scientist-Food Protection, Kalsec, USA; Min Hu, Principal Scientist/Team Leader, Corbion, USA; and Christina Luo, Senior Scientist, Cargill, USA

Identification of novel antioxidants and their efficacies

The identification and application testing of novel antioxidant substances from previously unidentified sources, or from functionalization of current ingredients, to meet the higher performance expectations of clean-label products.

Session chairs: Drew Elder, Senior Scientist, Kalsec, USA; Marie Hennebelle, Assistant Professor, Wageningen University, Netherlands; and Ignacio Vieitez, Professor, Universidad de la República, Uruguay

Submit your research

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Experience the 2022 Sustainable Protein Forum on demand

The 2022 Sustainable Protein Forum ran from October 4–6, 2022, in Chicago, Illinois, USA, and online. If you missed this year's Forum, you still have a chance to view the impressive technical program on demand. By purchasing the Forum on-demand, you will have access to the complete technical program and ePoster library until December 31, 2022.



Get on-demand access

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AOCS Continuing Education Program



Fundamentals of spectroscopy in the analysis of fats and oils

Join Dr. Jonathon Speed, CChem, Product and Applications Director at Keit Spectrometers, for '[Fundamentals of spectroscopy in the analysis of fats and oils](#)' — a one-day [AOCS Continuing Education Program](#) course that will unveil the value and diverse uses of spectroscopy in fats and oils analysis.

[Register today.](#)



Beyond triglycerides: Applications for unique plant-based lipids in personal care

Join Benjamin Schwartz, Senior Personal Care Application Specialist at AAK USA Inc., for '[Beyond triglycerides: Applications for unique plant-based lipids in personal care](#)' — a new [AOCS Continuing Education Program](#) course that will focus on using the unsaponifiable (non-triglyceride) fraction of plant oils and fats in personal care product development to meet evolving consumer expectations.

[Register today.](#)

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Share your thoughts

Have the LOQ newsletters been a useful resource to you? Was your interest area missing from the list of resources? If you have any comments or ideas of additional topics to cover in upcoming communications, please reach out to [Newsletter Editor Nora Yang](#).

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