



Attendee Guide

Plant Protein Science and Technology Forum

October 12–14, 2021

AOCS 

Attendee Guide

Plant Protein Science and Technology Forum

Login	4
System Check	5
View and search oral presentations	6
View and search ePosters	6
Create your schedule	8
Watch the Livestream	8
Logging in	8
Joining the Livestream	9
Troubleshooting the Livestream	11
Optimize your Internet Connection	11
Ask a Question	12
Get help or provide feedback	13
Technical Support	13
Contact AOCS Staff	13



While the Livestream and other features will work in most modern web browsers, we highly recommend using Google Chrome to access the site. We do not recommend Internet Explorer or Edge.

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Thank you!

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With over 40 years' experience in the research and production of plant proteins, Roquette is the pioneer in plant protein specialties for Food, Nutrition & Health markets. NUTRALYS® Plant Protein by Roquette ingredients are sourced and produced according to the best quality protocols in the industry. The result is sustainable and nutritious protein for a wide range of plant-based foods.

*recognizes our 2021 AOCS Corporate Members!

How to access the Plant Protein Science and Technology Forum

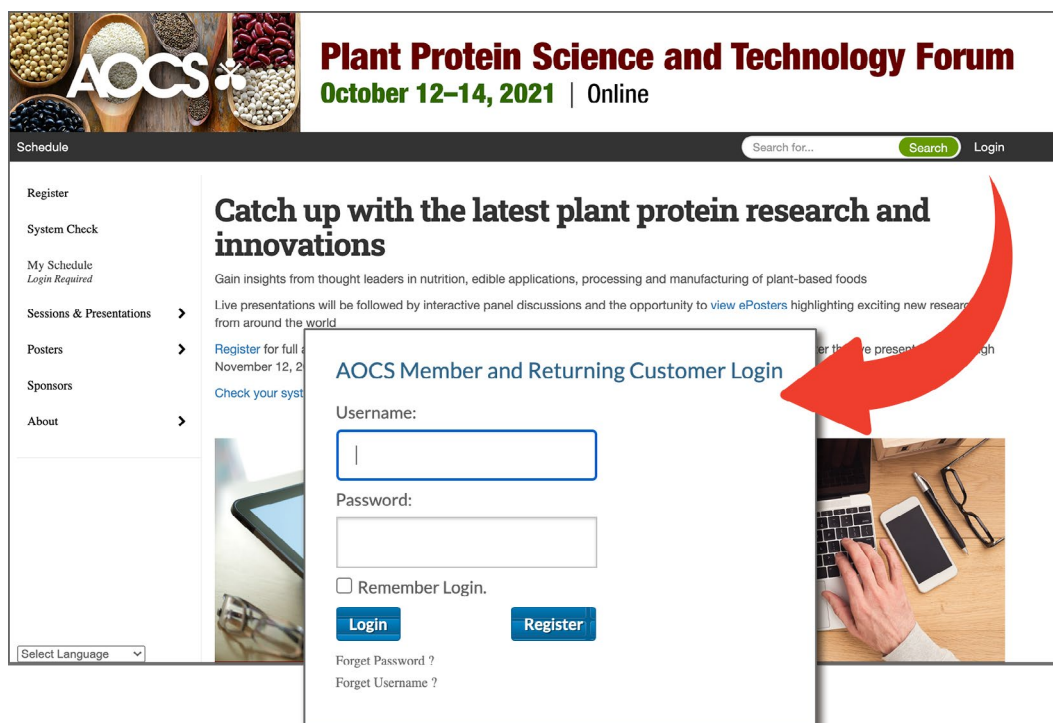
Registration includes access to the keynote, featured and technical presentations, ePoster presentations, and on-demand content.

All sessions will be recorded and available on-demand three days after the live online presentations. On-demand access will be available to all attendees through November 12, 2021. Registered AOCS members receive extended access to on-demand content through September 2022. [Join AOCS.](#)

Not a registered attendee? Register for the Forum at <https://plantprotein.aocs.org/attend/register>

Login

Login using your AOCS account credentials by clicking login on the upper right-hand side of the [Plant Protein Science and Technology Forum homepage](#).



Need help logging in?

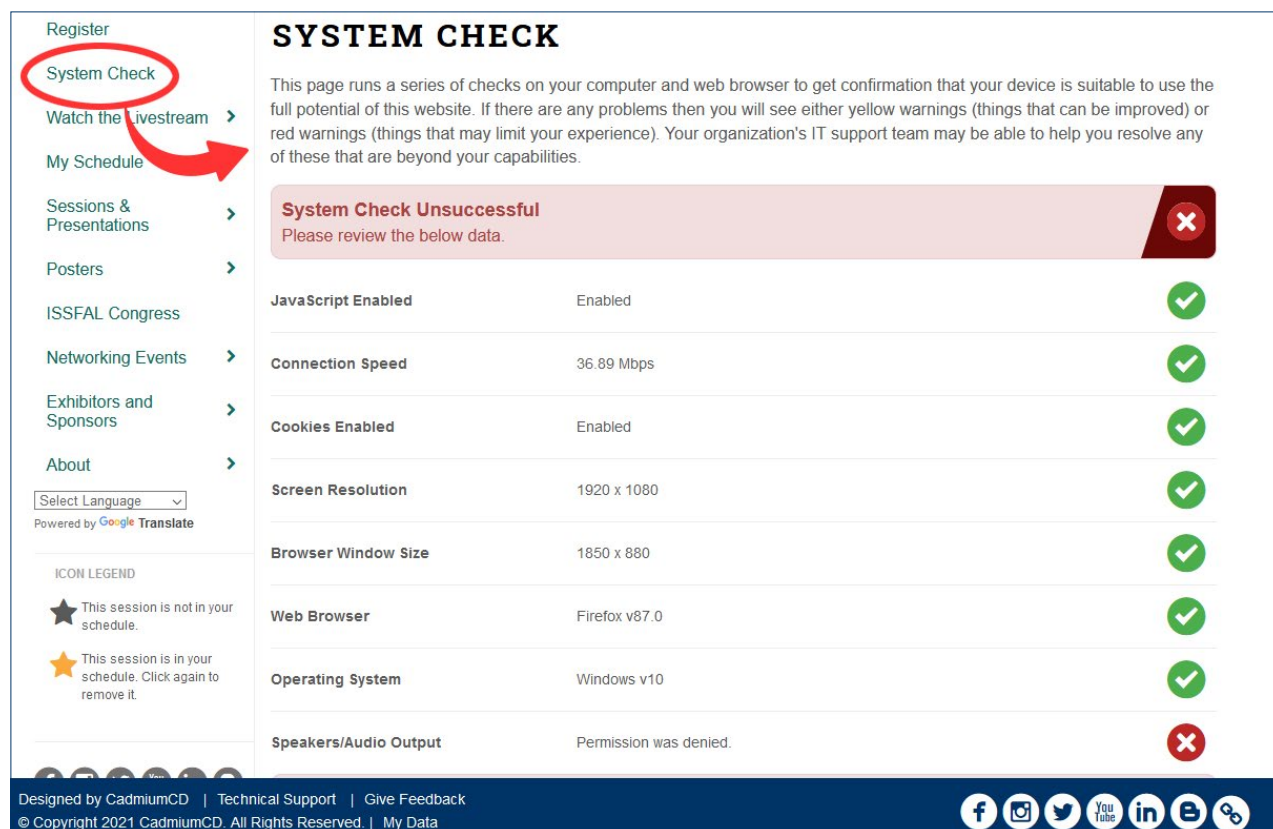
Contact Karen Kesler at karen.kesler@aocs.org or +1 217-693-4813.

System Check

The [System Check](#) page runs a series of checks on your computer and web browser to get confirmation that your device is suitable to use the full potential of the online meeting platform.

If there are problems, you will see either yellow warnings (things that can be improved) or red warnings (things that may limit your experience).

Your organization's IT support team may be able to help you resolve any of these that are beyond your capabilities.



SYSTEM CHECK

This page runs a series of checks on your computer and web browser to get confirmation that your device is suitable to use the full potential of this website. If there are any problems then you will see either yellow warnings (things that can be improved) or red warnings (things that may limit your experience). Your organization's IT support team may be able to help you resolve any of these that are beyond your capabilities.

System Check Unsuccessful
Please review the below data.

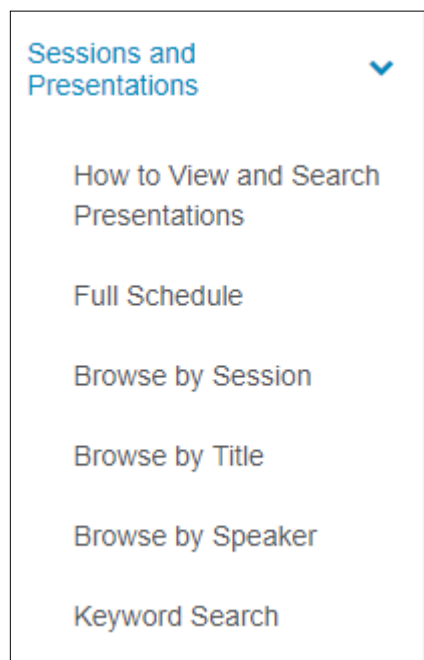
JavaScript Enabled	Enabled	✓
Connection Speed	36.89 Mbps	✓
Cookies Enabled	Enabled	✓
Screen Resolution	1920 x 1080	✓
Browser Window Size	1850 x 880	✓
Web Browser	Firefox v87.0	✓
Operating System	Windows v10	✓
Speakers/Audio Output	Permission was denied.	✗

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View and search oral presentations

View presentations using the links in the left-hand navigation.



There are multiple ways in which to sort and filter presentations.

- [Browse by Full Schedule](#)
- [Browse by Session](#)
- [Browse by Presentation Title](#)
- [Browse by Speaker Name](#)

Select **[Keyword Search](#)** in the “Sessions and Presentations” drop down navigation or use the search box located on the upper right hand side of the webpage to search presentations and speakers.

View and search ePosters

Browse ePosters using the options available in the left-hand navigation of the website. There are multiple ways in which to sort and filter:

- [Browse by Thumbnail](#)
- [Browse by Title](#)
- [Browse by Presenter](#)

In the ePoster pop-up, click “View ePoster” to view the selected ePoster.

Posters with audio have a symbol and “Has Audio” in the top right corner of the pop-up. Click the thumbnail to open the poster. The speaker’s audio will begin to play.

In fullscreen mode, moving your cursor around the poster will zoom in on specific areas of the poster for easy reading. Click the arrows in the bottom-right corner to view the previous or next poster in the gallery.

Presenting authors can opt to share their email address or social media information to receive questions and feedback from attendees.

Favorite **Like** **Facebook** **Tweet** **Print** **Email** **PDF**

Track: ISSFAL Congress Obesity, Diabetes and Related
ISSFAL Congress Obesity, Diabetes and Related Poster Session

Allosteric Modulation of Wild-Type and Mutant Vitamin-D receptor by Polyunsaturated Fatty Acid's and it's Molecular effects on Skeletal Muscle and Glucose Utilisation

Presenting Author(s)
BALAJI HARI
Life Sciences/Research Scholar
JSS ACADEMY OF HIGHER EDUCATION AND RESEARCH, JSS COLLEGE OF PHARMACY, INSTITUTION
UDHAGAMANDALAM, Tamil Nadu, India

3 Views

Abstract
Distinct modulation of vitamin D receptor (VDR) by polyunsaturated fatty acids (PUFAs) in wild-type of VDR (PDB ID: 2Z2C). Of note, the DHA has higher interactions with the mutated VDR (PDB ID: 3V17) when compared to the standard Vitamin-D. These findings suggest the unique roles of PUFAs in VDR activation and may offer an alternate strategy to circumvent vitamin-D deficiency. Key Words: Eicosapentaenoic Acid, Docosahexaenoic Acid, Arachidonic Acid, Vitamin-D receptor, Type2 diabetes mellitus.

Hypothesis Long chain PUFAs like EPA, DHA & AA would directly modulate the dynamics and kinetics of VDRs, irrespective of bioactive Vitamin-D binding to VDR

Conclusion
Our docking study revealed that selected PUFAs modulate VDR at LBD with distinct binding energies and interactions. Moreover, they were effective in mutated VDR. Based on this, we propose PUFAs as potential modulators of VDR

References
1. G. R.; Gupta, A. Vitamin D Deficiency in India: Prevalence, Causalities and Interventions. *Nutrients*, **2014**, *6*(2), 729–775.
2. Hanna, V.S.; Hafez, E. A. A. Synopsis of Arachidonic Acid Metabolism: A Review. *Journal of Advanced Research*, **2018**, *11*, 23–32.
3. Pike, J. W.; Christakos, S. Biology and Mechanisms of Action of the Vitamin D Hormone. *Endocrinology and Metabolism Clinics of North America*, **2017**, *46*(4), 815–843.
4. Xiali, Z.; Shanshan, Y.; Jing, S.; Lian, S. Computational study on new natural compounds. *Journal of Advanced Research*, **2018**, *11*, 23–32.

***TIFAC CORE in Herbal Drugs, Department of Pharmacognosy, ^hDepartment of Pharmaceutical Chemistry, JSS Academy of Higher Education & Research, JSS College of Pharmacy, The Nilgiris, Tamilnadu, India. Email: suresh.jsscpc@jssuni.edu.in**

Close **Fullscreen** **0:22 / 2:22** **PDF** **Print**

To contact a poster presenter, click on their name to visit their speaker profile. In the bottom-right corner of the pop-up, click the email button.

Using the ePoster buttons, you can view the poster in fullscreen or as a PDF.

You can pause, play, fast forward or rewind audio using the controls at the bottom of the poster.

Create your schedule

Click the star icon in the presentation header to favorite. This automatically adds the item to your schedule. Use the [My Schedule link](#) in the left-hand navigation to view your schedule as well as export it to your calendar.

1.
Click the star to favorite and add to your schedule.

2.
Navigate to "My Schedule".

3.
Select Export.

The screenshot shows a presentation titled "Keynote Address: Unlocking the Potential of Plant Based Foods: Challenges and Opportunities to Achieving Scale" by Jonathan McIntyre, PhD. The presentation is scheduled for Tuesday, October 12, 2021, from 8:45 AM to 9:45 AM. The presenter is Jonathan McIntyre, PhD, Chief Executive Officer of Motif FoodWorks, Inc. The presentation content discusses the rapid growth of the plant-based food industry and the challenges and opportunities associated with it. The navigation menu on the left includes "Register", "System Check", "My Schedule", "Sessions & Presentations", and "Posters". The "My Schedule" link is circled in red. The presentation header includes a "Favorite" button (star icon), a "Like" button, and social media sharing options (Facebook, Tweet, Print). The "Export" button is also circled in red. The "Export" dropdown menu includes options: "Export to Calendar", "Export to Word", "Export to Excel", "Save As PDF", and "Print".

Watch the Livestream



While the Livestream and other features will work in most modern web browsers, we highly recommend using Google Chrome to access the site. We do not recommend Internet Explorer or Edge.

Logging in

The live broadcasts are only available to Forum registrants.

To log in, click "[Login](#)" located in the upper right corner of the [webpage](#) and enter your AOCs credentials.



We recommend joining in a few minutes early, so that you can get yourself setup and ready before the speakers begin.

Joining the Livestream

Navigate to any presentation within the session you want to join using the left-hand navigation.



The Livestream button on any presentation within the session will take you to the Livestream for the entire session (i.e. all have the same link to the stream).

The screenshot shows the 'Full Schedule' page with 40 results found. The left-hand navigation menu has 'Full Schedule' circled in orange with a callout '1'. The main content area shows sessions for Tuesday, October 6, 2020, and Thursday, October 8, 2020. A session titled 'Processing and Utilization Technologies' is highlighted with a yellow 'CLICK' button and a callout '2'. A pop-up window shows the details for this session, including a list of presentations. The first presentation, 'Introduction: Processing and Utilization Technologies', is highlighted with a yellow 'CLICK' button and a callout '3'. Below the pop-up, the text 'Select any presentation within the session' is displayed.

1 How to View and Search Presentations
Full Schedule
Browse by Session
Browse by Title
Browse by Speaker
Keyword Search
Contact Us
About AOCS
Terms and Privacy

Full Schedule
40 results found.

2 Click the session to open

Tuesday, October 6, 2020

8:00 AM – 11:30 AM CDT Processing and Utilization Technologies CLICK

Thursday, October 8, 2020

8:00 AM – 11:00 AM CDT Human Food Processing with Plant Protein: Nutrition & Health Benefits, Session: Methods and Applications

Tuesday, October 13, 2020

8:00 AM – 11:00 AM CDT Emulsions and Protein-based Systems

3 CLICK

8:00 AM – 11:30 AM CDT Processing and Utilization Technologies

8:00 AM – 8:15 AM CDT Introduction: Processing and Utilization Technologies
Session Chair: Chris Marinangeli – Pulse Canada
Session Chair: Mehmet C. Tulbek, PhD – AGT Foods R&D Centre
Saskatoon, Canada
Session Chair: Janitha Wanasundara – Agriculture and Agri-Food Canada

8:15 AM – 8:35 AM CDT Protein-starch Interactions to Create Structure in Plant-based Foods
Speaker: Alejandro G. Marangoni, FRSC, FAOCS, FIFT, FRSC (U.K.) – University of Guelph
Co-Author: Stacie Dobson – University of Guelph

8:45 AM – 9:05 AM CDT Scientific challenges for next generation meat analogues
Speaker: Atze Jan Van der Goot – Lab of Food Process Engineering,
Wageningen University

Select any presentation within the session

Click the Livestream button within the presentation pop-up.

Live Stream

★ FAVORITED Notes Like Email Facebook Tweet Print

Plant Protein Science and Technology Forum

Session: Processing and Utilization Technologies

Introduction: Processing and Utilization Technologies

Tuesday, October 6, 2020 8:00 AM – 8:15 AM CDT

Session Chair(s)

Chris Marinangeli
RD Director, Nutrition Science and Regulatory Affairs
Pulse Canada

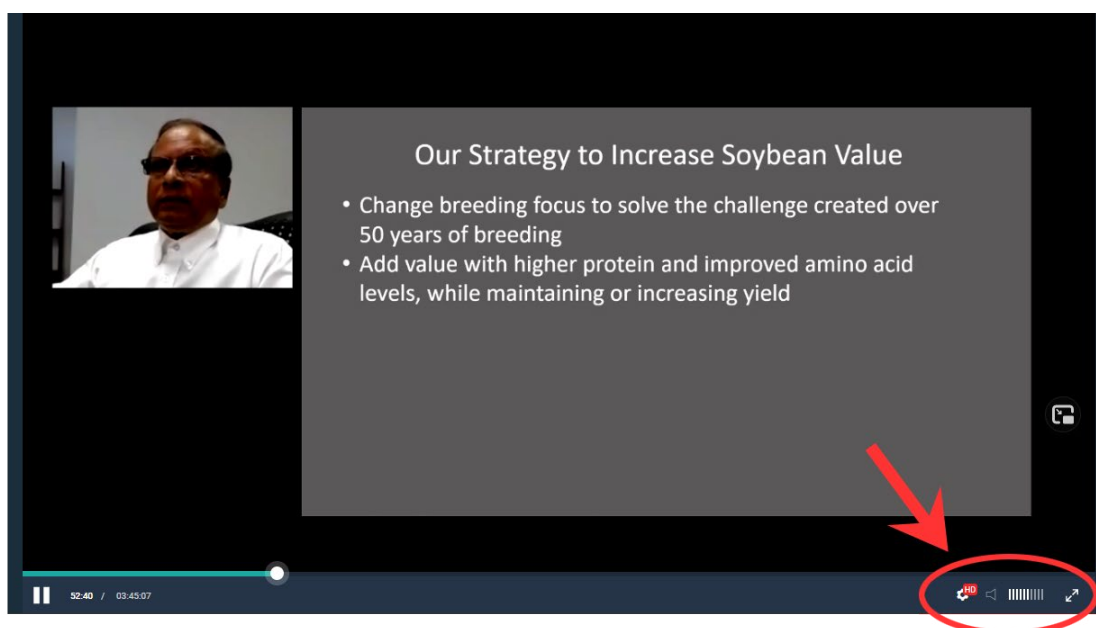
Mehmet C. Tulbek, PhD
Director
AGT Foods R&D Centre Saskatoon, Canada
Saskatoon, Saskatchewan, Canada

Janitha Wanasundara
Research Scientist, Saskatoon Research and Development Centre

Slides Slides Only

182 Views Live Stream Attendees 15

Once you have entered the Livestream viewer, take a moment to familiarize yourself with the icons that are available. You can hover over the Livestream window to adjust the volume and video quality using the options at the bottom-right of the screen.





While the Livestream and other features will work in most modern web browsers, we **highly recommend using Google Chrome to access the site**. We do not recommend Internet Explorer or Edge.

Troubleshooting the Livestream

- Run a [System Check](#) on your computer and web browser to confirm that your device is suitable to use the full potential of the online meeting platform.
- If you are unable to hear any sound at all, be sure your speakers are turned on, and you are not set to Mute within the Livestream window. You can Mute or Unmute by clicking the speaker icon in the bottom-right corner, and you can adjust the volume by clicking on the bars next to the speaker.
- When the stream begins, you may need to click a “play” button in the center of the screen.
- If the slides or speaker appear blurry at any point, it may be an internet connectivity issue. If you know that your connection is good, and you refresh your screen, but the images are still distorted, the issue is with the speaker’s connectivity. It will be up to them to remedy that issue.
- If you are having trouble with the video feed or are not seeing any video at all during the time of the Livestream event, try refreshing your browser. You can do this by clicking the circular refresh icon beside the URL or holding down Ctrl + R buttons on your keyboard on a desktop/laptop.
- You can also increase and/or decrease the resolution of the stream. In the bottom-right corner, you will see a gear icon. Click the icon to expand a menu and click “Quality” to expand resolution options. Select a resolution from the list to switch to that resolution.

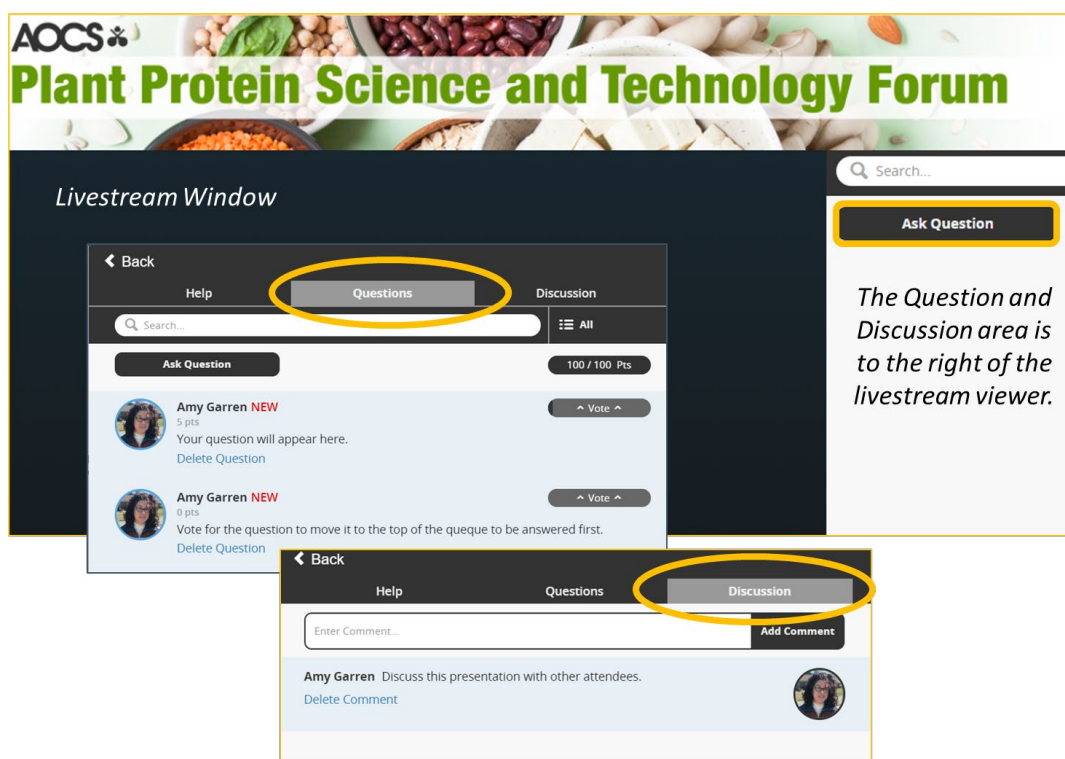


Optimize your internet connection

- Turn off unused or extra internet-connected devices.
- Disable VPN and close email, instant messaging and any programs or webpages not being used.
- Use a wired connection (ethernet) instead of wireless internet.

Ask a question

You can pose questions to the audience or the presenter using the “Ask Question” button. Type in your question and hit Enter. Other attendees will be able to see your question, and vote-up questions that they find most relevant. As your question accrues points, it will move to the top of the list.



Get help or provide feedback

Technical support

Hours: 8:00 AM – 8:00 PM CDT (Chicago, USA; UTC-05), Monday-Friday

Phone: (Direct) +1 (410) 638-9239

Phone: (Toll Free) +1 (877) 426-6323

Email: support@cadmiumcd.com

Contact AOCS staff

Visit <https://plantprotein.aocs.org/about/contact-us> for a full listing. We look forward to hearing from you!



Patrick Donnelly
Chief Executive Officer

General Feedback

If you have feedback about AOCS, its products or services, let me know!

Phone: +1 217-377-4384

Email: patrick.donnelly@aocs.org
