



AKABFE

The Association of Korean Agricultural, Biological & Food Engineers



About the AKABFE

The Association of Korean Agricultural, Biological, and Food Engineers (AKABFE) was established on July 30, 2012 in Dallas, Texas, USA. The AKABFE has grown to 63 participants in 2019 in Boston, Massachusetts, from 35 participants in 2013. The 2020 annual meeting with 20 participants was held virtually via a video conference during the COVID-19 pandemic.

Connect with the AKABFE

Website: <http://www.akabfe.org/>

LinkedIn: <https://www.linkedin.com/in/akabfe-network-55b53283>

AKABFE's Mission

(1) promote information exchange and networking among agricultural, biological, and food engineers interested in the development of agricultural and biological science and technology in Korea; (2) foster educational exchange programs between Korean and the U.S. universities, organizations, and institutions; (3) facilitate the transfer of technology to and from Korea and (4) encourage professional development among members within the American Society of Agricultural and Biological Engineers (ASABE).

Greetings from the President



Dear AKABFE Members and Colleagues,

Greetings from the AKABFE Executive Board!

I hope this newsletter finds you and your loved ones well and safe. 2020 was an especially challenging year for all of us due to the global pandemic of COVID-19. Although the danger and fatigue of the pandemic hit us very hard, I hope that you have found ways to continue your professional work and personal life safely. Despite the challenges we faced, the AKABFE successfully hosted the 9th Annual Meeting through a virtual platform during the ASABE 2020 Annual International Meeting on July 14, 2020. On behalf of the AKABFE Executive Board, I would like to express my sincere gratitude and appreciation to all 20 participants of the AKABFE who attended the meeting by overcoming the time difference between Korea and the United States. The AKABFE general assembly elected Dr. Yong-Joo Kim at Chungnam National University as a new Korea Secretary, and Dr. Kim graciously agreed to serve until 2021.

The ASABE 2021 Annual Meeting will be held virtually and on-demand July 11 - 14, 2021. Unfortunately, the ASABE 2020 virtual meeting had to be organized on very short notice, and this had a significant impact on attendance. As the global pandemic continues, we might face similar challenges for the 2021 meeting. Nonetheless, the AKABFE leadership plans to offer additional programs to the attendees, besides the general assembly. We are currently discussing what programs we will offer and how. Please stay tuned for announcements from the leadership team.

I hope and trust that the AKABFE will continue to grow as professional organization with full of talent and expertise. As the Executive Board moves forward with a plan for the virtual meeting in July 2021, I encourage you to attend the ASABE meeting and engage with AKABFE. Finally, I appreciate our U.S. and Korean student representatives, Ms. Satbyeol Shin and Mr. Hyeon-Ho Jeon, who have assisted with the publication of this newsletter.

Once again, I wish you a healthy, peaceful, and prosperous New Year!

Seung-Chul Yoon AKABFE President

The 2020 AKABFE Virtual Annual Meeting



The annual meeting of the Association of Korean Agricultural, Biological and Food Engineers (AKABFE) was held on Tuesday, July 14, 2020, during the American Society of Agricultural and Biological Engineers (ASABE)'s Annual International Meeting in a virtual environment. A total of 20 members attended the AKABFE annual meeting held online as a live session, which lasted for one hour. At this meeting, we discussed the AKABFE business and plans for next year's AKABFE meeting, followed by a session to introduce professional careers in the U.S. and Canada. The participants agreed on the need to prepare for AKABFE meeting in advance if the 2021 ASABE meeting goes virtual due to COVID-19. The participants also made suggestions on the online formats and meeting schedules of a student research spotlight contest to be held in 2021.

Award/Honor Announcements



Dr. Byoung-Kwan Cho, Professor of the Department of Biosystems Machinery Engineering, Chungnam National University, received the 2020 Hwa-Nong Award (화농상) in recognition of his significant contribution to R&D in agricultural and life sciences. Professor Cho's work on Line-scan imaging analysis for rapid viability evaluation of white-fertilized-egg embryos was recognized as his major research accomplishment for the award. Professor Cho's publication record of over 90 papers in the past five years and his leading role in the field of non-destructive sensing for agricultural and food applications were also recognized with this award.

Member News



Dr. Soo Chung, the Post-doctoral fellow at the USDA, ARS, USNPRC located at Athens, Georgia, submitted a paper titled "Single Virus Copy per uL Level Detection of Norovirus in Water Samples on Paper Microfluidic Chip with Smartphone Based Fluorescence Microscope", which was accepted by Nature Protocols (doi: 10.1038/s41596-020-00460-7).



ASABE 2021

ANNUAL INTERNATIONAL MEETING



Virtual and On Demand
July 11 - 14, 2021

2021 AKABFE 10th Annual Meeting

The AKABFE will host the 11th annual meeting during the 2021 ASABE Annual International Meeting (July 11 - 14) using an online meeting platform.

ASABE Early Bird Registration: Opens Soon – May 3, 2021

ASABE General Registration: May 4 – June 10, 2021

Announcement:

Hosting an invited technical session, a research spotlight competition, and a general assembly is under discussion within the executive board. The details about the July's AKABFE virtual meeting will be announced later.

Newsletter editors

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Announcement

AKABFE is looking for creative members to submit designs of logo and slogan.

Please contact: akabfe@gmail.com

Useful Websites

American Society of Agricultural and Biological Engineers (ASABE): <http://www.asabe.org/>

한국농공학회 Korean Society of Agricultural Engineers (KSAE): <http://www.ksae.re.kr/>

한국농업기계학회 Korean Society for Agricultural Machinery (KSAM): <http://www.ksam76.or.kr/>