



Food Packaging Division

IFT STUDENT FOOD PACKAGING DEVELOPMENT COMPETITION ENTRY KIT

This is an annual international competition that honors advancements in student food packaging development. Impacts of participating in and/or winning this competition include:

- Participants will solve real-life food problems (e.g., food waste reduction).
- Participants will enhance their knowledge about specific food packaging technologies (e.g., active packaging).
- Students will practically apply the knowledge they have gained within the classroom.
- Participants will improve their teamwork skills.
- Participants will improve presentation skills.
- Participants will gain exposure and prestige.

PARTICIPANTS

Eligibility

- Both undergraduate students and graduate students.
- Students enrolled in food and packaging programs.
- Must be an IFT member.

Type

No limitation on team composition:

- Individuals and teams
- Undergraduate students or graduate students or both together
- With or without mentor (e.g., professor, industry expert, etc.).

TOPIC

Pick one of the three challenges listed below. This year's three challenges are:

- Future need: Mankind in the year 2040 will need to feed people on Mars.
- Current need: Reduction of energy used in home delivery.
- Trendy need: Clean label.

Alternatively, you can suggest your own challenge. You can focus on packaging innovation from a broad point of view (e.g., populations in the year 2040 will need to feed people in Mars) or you can be rather specific and apply innovation based on current industry needs (e.g., reduction of energy used in home delivery). You can even study the progress we have made on a specific packaging technology based on trends or needs.

Regardless of your selection, you need to study the system and its entirety in terms of functionality of packaging. Consider the whole food packaging supply chain from raw material to consumers



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including but not limited to packaging producers (e.g., machinery), food packers (e.g., barrier needs), storage and transportation.

You can ask industry and academia, including the members of the food packaging division, for advice on appropriate sources of information (books or videos).

Show us your innovation and creativity based on current or future packaging needs!

ENTRY FORM

All the required information is listed below:

- a. Participant information (name(s), address (es), and email (s); contact person)
- b. Food package concept and its prototype if any. Participants should write a structural, conceptual, theoretical, or practical concept that addresses the selected food packaging issue. The concept should include:
 - i. A title
 - ii. A current food packaging issue (define the issue and explain why this is a current issue that relates to food packaging)
 - iii. Past solutions and their results
 - iv. Your solution (think outside the box!). This should be supported by evidence.
 - v. References
 - vi. Illustrations are encouraged
 - vii. A package prototype is not required but an option

Guidelines

- a. 1,000 to 1,500 word-essay written in English. Citations are excluded from word account.
- b. Place quotes (e.g., any ideas that are not your own) within the body of the essay. Do not use footnotes or endnotes.
- c. Complete references using MLA style.
- d. Your essay will be judged not only on the science, but also on creativity, innovation, (avoid plagiarism and think outside the box!), ability to address the challenge, feasibility, implementation, and how well you express yourself (spelling, punctuation, and grammar). Don't forget to proofread your essay.

ENTRY PROCESS

Entry forms will be accepted until May 1st, 2020 via the following entry form. Awards will be announced within a few weeks. Winners will be notified via email.

AWARDS

A general certificate for 1st, 2nd, and 3rd place. Winners will be invited to pick up their awards at IFT 2020. Awards will be given at the award ceremony currently held for other IFT development competitions.

JUDGES

A panel of experts in food packaging including academic and industry experts will judge the entries. Judges should be IFT FPD members.