



# **Technical Research Paper Abstract Submission Guidelines**

**IFT21**

Chicago, IL  
July 18-21, 2021



## **Call for Technical Research Paper (TRP) Abstract Overview**

Each year, as many as 1,300 abstracts are submitted to IFT for consideration. The Institute of Food Technologists (IFT) welcomes the submission of quality and original food science and technology research and breakthroughs for presentation at IFT21. IFT and IFT Divisions strive to showcase high quality basic, transformative, and applied research.

### **TRP Program Goals**

- Provide an opportunity for undergraduate, graduate, and professional members to gain experience presenting their research and findings to the science of food community
- Showcase original and relevant research findings within topic-based poster sessions
- Maximize attendee value through their participation in the scientific program

### **Abstract Submission Categories - Divisions**

All abstracts submitted to the TRP program must be submitted to one of the following Divisions. IFT's [Divisions](#) are charged with reviewing all abstracts and thus determining abstracts selected for IFT21.

- Aquatic Food Products Division
- Biotechnology Division
- Carbohydrate Division
- Dairy Foods Division
- Education, Extension, & Outreach Division
- Food Chemistry Division
- Food Engineering Division
- Food Law & Regulations Division
- Food Microbiology Division
- Food Packaging Division
- Foodservice Division
- Fruit & Vegetable Products Division
- International Division
- Marketing, Sales, & Management Division
- Muscle Foods Division
- Nonthermal Processing Division
- Nutraceuticals & Functional Foods Division
- Nutrition Division
- Product Development Division
- Protein Division
- Quality Management Division
- Refrigerated & Frozen Foods Division
- Sensory & Consumer Sciences Division
- Toxicology & Safety Evaluation Division



### **Note on Cannabis-Related Content**

*IFT strives to provide high quality, relevant research and educational programming on key focus areas that impact professionals, the industry, and consumers. For proposals that address issues related to cannabis and its application in the food and beverage industry, IFT's review panel will evaluate the proposal based upon scientific merit, adherence to IFT's professional code of ethics, and the degree to which the program will advance the application of sound science without advocating or supporting the violation of any local, national, or international laws.*

### **Poster Format**

All accepted abstracts will be presented as printed posters. Printed posters must fit on the 4 ft. tall by 8 ft. wide board that will be provided by IFT for your presentation at the Annual Event. All accepted abstracts will receive access to IFT21-branded poster templates that are optional to use and follow the standard and [innovative](#) poster presentation format. IFT remains committed to providing a platform for new research to be presented to the science of food community each year. Click [here](#) to view the full list of virtual poster presentations from SHIFT20.

### **Graduate Student Competitions**

While submitting your abstract, qualified graduate students may indicate their desire to be considered for Division Oral or Poster competitions. Note that not all Divisions may host a competition due to the number of qualified applicants. Competitors must be IFT student members. *Competition Guidelines* document coming soon!

### **Research Showcase**

All abstract submitters are given the opportunity to opt-in for the possibility to present a Research Showcase presentation. Research Showcase presentations are additional research presentation opportunities and are extended to only the highest scoring abstracts. Opportunities include presenting research as a [TedTalk](#) (6-minute presentation followed by 2 minutes of Q&A) or a [PechaKucha](#) (20 slides presented for 20 seconds each).

## **Guidelines**

Submission Deadline: January 18, 2021 by 11:59 pm Central Time

Status Notifications: Late February, 2021

### **Abstract Submission Components:**

The following sections are required to submit your abstract:

- Title
- Introduction
- Methods
- Results
- Significance



### **Eligibility and Information**

- Data must not be published before IFT21. Data similar to previous presentations should not be submitted.
- At least one of the authors must be a member in good standing of the Institute of Food Technologists or one of the non-U.S. IFT Allied Organizations.
- IFT discourages the submission of incomplete research. Recent results may be added at the time of presenting.
- Excluding title, abstract may be no longer than 350 words. You will enter your abstract into one text box. Please label each section: Introduction, Methods, Results, and Significance. The word count limit is 354 to accommodate the labelling.
- Please submit a Two-Sentence Description summarizing your abstract in the appropriate box.
- Authors should not split data to create several abstracts from one study.
- Standard abbreviations may be used without definition.
- Do not include references, credits, or grant support. Abstracts dealing with commercial products or services must have a scientific emphasis and should not be submitted for promotion purposes
- Proofread very carefully for formatting, spelling, and grammar to avoid errors before submission.
- Tables and images are not accepted.
- All authors must have a copy of the abstract before the time of submission.
- Incomplete proposals will not be reviewed.
- Refer to Appendix A for a sample abstract.

NOTE: Individuals interested in promoting a commercial product or services are encouraged to participate as exhibitors in the food expo.

### **Abstract Review and Selection Criteria**

Abstracts will be reviewed by at least five reviewers identified by each Division to which the abstract is submitted. Each abstract will be graded on the following criteria:

- Scientific merit
- Relevancy to the food science industry
- Innovation
- Practical application of content
- Quality of the Abstract

### **Abstract Revisions**

Changes are not permitted after submission deadlines. All authors must be listed at time of submission. No changes will be made after the submission deadline.

### **Abstract Status Notifications**

Primary Authors will receive email notification of abstract status late February, 2021. It is the responsibility of the primary author to inform all co- authors and faculty advisors of disposition status and abstract scheduling information (if accepted).



All notices will be sent as bulk email messages from [trp@ift.org](mailto:trp@ift.org). Many times, web-based email accounts (e.g., Hotmail, AOL and Yahoo) automatically send bulk email messages into the spam folder. Please check both your inbox and your junk mail folder for your disposition notice.

### **Abstract Withdrawal**

Submit withdrawal requests in writing by March 22, 2021 to avoid publication.

### **Presentation**

If an abstract is accepted as a poster presentation, the author(s) must attend IFT21 to present the poster in person. If you are a student, faculty may not present your poster for you. Failure to show up to present the poster, if not justified in advance, will jeopardize the acceptance of submissions by the author(s).

Posters must be presented at IFT21 during the designated Division 1.5 hour timeslot between July 19-21. Specific presentation times will be communicated upon notification of the poster presentation day and time. All posters must remain on display for the entire duration of the poster session. Posters must fit in the 4 ft. tall by 8 ft. Wide display board.

- *Disclaimer: IFT is not responsible for any lost or damaged posters.*

### **Questions & Technical Support**

Contact the Knowledge & Learning Experiences Team ([trp@ift.org](mailto:trp@ift.org)) for any questions regarding the proposal process. If you need technical support, please email [help@mapyourshow.com](mailto:help@mapyourshow.com) or call (888)-527-8823 (International) 1-513-527-8823



## **Appendix A: Sample Abstract**

### **Determination of Boiled Candy Glass Transition Temperature by Genetic Algorithm (GA) and Capacitor Based Thermal Analysis (CTA)**

#### **Introduction:**

The glass transition temperature ( $T_g$ ) is a very important parameter for candy production. The measurement of  $T_g$ , however, is done by comparably expensive and sophisticated equipment including differential scanning calorimeter (DSC), dielectric analyzer, and nuclear magnetic resonance. In this study, a Capacitor Based Thermal Analysis (CTA), which is much less expensive and less sophisticated analysis, was used to test the  $T_g$  of candy samples and the results were compared to DSC.

#### **Method:**

In this study, the  $T_g$  of several candies were measured by placing samples between two stainless plates, and monitoring capacitance and temperature as the samples were heated. The data of capacitance as a function of temperature were process by a genetic algorithm (GA), and fitted to a three-section model to determine  $T_g$ .  $T_g$  of the candies were independently measured by DSC as a reference.

#### **Results:**

The results showed that when the  $T_g$  of the candy was below  $\sim 15^\circ\text{C}$ , the measurement from GA and capacitor based thermal analysis (CTA) was higher than that from DSC. However, if  $T_g$  of the candy was higher than  $15^\circ\text{C}$ , the two methods gave similar values. GA based CTA provides a feasible new way to measure phase transitions in candies with relatively inexpensive equipment, and less need for user interpretation of data.

#### **Significance:**

GA based CTA provides a much cheaper and less sophisticated methods for small or medium confection manufacturers to measure the  $T_g$  of their products, helping them supervise or control the quality of the products during or after processing. For other researchers, GA based CTA is a new method with computational algorithm involved to study the phase transition of other food materials.



## **Appendix B: Presenter Affirmations**

Please indicate your acceptance of the following preconditions to presenting. If you do not agree with one or more of the following statements or if you have any questions, contact IFT Staff at [trp@ift.org](mailto:trp@ift.org).

### **Deadlines**

I agree to meet the critical deadlines provided to me in my invitation letter with respect to submission of materials and arriving my assigned session.

### **IFT21 Registration**

I understand that as a presenter I must pay the appropriate IFT Member or Non-member registration fee. Registration information will be available spring 2021.

### **Right of First Refusal**

IFT reserves the right to publish the accepted abstracts on the IFT website or c. Authors are not required to submit papers for publication. Papers should not have been published prior to the meeting. The right of first refusal applies to all research, science and technology abstracts/papers presented at IFT21. Authors are encouraged to submit their papers for consideration in IFT's publications—the Journal of Food Science (JFS), Comprehensive Reviews in Food Science and Food Safety (CRFSFS), the Journal of Food Science Education (JFSE), and Food Technology. As soon as possible after IFT21, authors should visit <http://mc.manuscriptcentral.com/jfs> to submit their manuscripts to JFS, CRFSFS, and JFSE. To submit to Food Technology, contact [trp@ift.org](mailto:trp@ift.org). Call the IFT Publications Office at 312-782-8424 for further information. Those who do not wish to publish their papers in IFT publications but rather other journals should also contact [trp@ift.org](mailto:trp@ift.org).

### **Reporting**

I agree that an article reporting on my presentation may be included in the post- IFT21 communication or on the IFT website, the purpose of which is to provide meeting highlights to those members who did not attend. I further acknowledge that members of the media may attend my presentation to record and report on its contents.

### **Conflict of Interest**

I agree that if I have any commercial relationships that my presentation will be evidence-based and I will disclose my relationship to the products/services from that entity. Additionally, I will not sell while presenting and will avoid any appearance of impropriety or inordinate promotion of a product or service I sell or provide.

### **Copyright Release**

I assume full responsibility for securing the necessary clearance and permission for publication



and presentation from any third-party holding rights to any of the presentation material. I have obtained concurrence from the sole author, co- authors or co-workers before submitting my materials for presentation and publication and have acknowledged all contributions to the work. In addition, any use of a motion picture movie, in whole or in part, during my presentation requires a public performance license. I will not include or refer to any movie clip without obtaining a public performance license prior to my presentation.

I give the Institute of Food Technologists and its agents permission to include my abstract and any other materials distributed or displayed in a compilation of conference materials in paper or electronic format. I give the Institute of Food Technologists and its agents permission to include my presentation description and biography electronically on the Web.

### **Indemnification**

I agree to indemnify, defend, and hold IFT, its directors, officers, employees, and agents harmless from and against all claims arising from my participation as a presenter, including any claim that the material included in the presentation or the use to which the presentation will be put infringes the rights of any third parties.

I agree to all of the above statements (Required Yes Response)