

学術大会での高校生発表企画の実施とそのアンケート調査結果に基づいた同企画の意義

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The significance of the high school student presentation program at academic conferences based on its implementation and questionnaire survey results

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Abstract

The “High School Curriculum Guidelines (2018 Edition)” introduced new subjects that included the term “inquiry” in their titles; for example, “Comprehensive Learning Time” was renamed “Comprehensive Inquiry Time.” This modification reflects a stronger emphasis on incorporating inquiry into learning activities than before. Japan is currently experiencing rapid population aging and declining birth rates. According to a 2024 survey on high school students’ choice of science or liberal arts pathways, only 36.4% selected science-related fields, compared to 63.6% who chose liberal arts. Consequently, fostering science-oriented talent has become a pressing challenge. On June 6, 2025, the Japanese Society of Food Chemistry also held a high school student presentation program at its 31st Annual Meeting and Scientific Conference to promote inquiry-based learning in high schools and foster the next generation of research talent. Additionally, a survey was conducted among participating society members, high school students, and teachers. The survey consisted of 5-point scale items, multiple-choice questions, and open-ended responses. Approximately 97.8% of the society members, along with all responding high school students and teachers, stated that the project was meaningful. Overall, society members’ survey responses were positive. Observing high school students sincerely engaged in research and actively presenting their work was also a positive stimulus for society members. When asked what left the strongest impression during the conference, both high school students and teachers frequently cited the “Q&A sessions and advice from participants.” Furthermore, 85.4% of high school students reported that the program gave them an opportunity to reflect on their future paths and careers, while all high school teachers stated that it helped them consider methods for guiding students in inquiry-based activities. This initiative was regarded as highly meaningful by society members, high school students, and teachers, and its continuation was considered necessary.

Keywords : 高校生、探究活動、食品化学、学術大会

high school student, inquiry-based learning, food chemistry, academic conference

I 緒言

日本食品化学学会は、食品に関係関与する化学物質を対象にして、その物理化学、規格、安全性、有用性などの食品衛生はもとより、開発、利用、規則などの色々な分野を含めた自然科学、社会科学への貢献を意図して学

会設立となった¹⁾。1994年11月18日の設立以降、毎年総会・学術大会を開催しており、2025年6月5日及び6日に第31回総会・学術大会を立命館大学びわこ・くさつキャンパス（BKC）で開催した。この大会で、本学会初めての試みである高校生によるポスター発表セッション（高校生企画）を2025年6月6日に開催した。