



2021 ANNUAL REPORT

December 2021

Brewery Convention of Japan (BCOJ)



Brewery Convention of Japan

16-7, Ginza, 1-Chome, Chuo-ku, Tokyo 104-0061 JAPAN

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2021 Annual Report of the Board Committee

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The President of BCOJ

Yusuke Umezawa

1. Board Members and Mission of BCOJ

(1) BCOJ Board Members in 2021

President:	Yusuke Umezawa	(SUNTORY BEER LIMITED)	
Directors:	Fumito Ishida	(SAPPORO BREWERIES LTD.)	
	Kazuhiko Uemura	(ASAHI BREWERIES, LTD.)	<i>until Apr.,2021</i>
	Yuichi Nakamura	(ASAHI BREWERIES, LTD.)	<i>from Apr.,2021</i>
	Kazufumi Nagashima	(KIRIN HOLDINGS COMPANY, Limited)	
	Makoto Taruoka	(ORION BREWERIES, LTD.)	
Analysis Committee Chair:	Takayuki Watanabe	(SAPPORO BREWERIES LTD.)	
Program Committee Chair:	Keisuke Okada	(ASAHI BREWERIES, LTD.)	
Brewers Association of Japan:	Takeshi Itagaki	(BAJ, official member)	<i>until Sep.,2021</i>
	Hiroyuki Kishino	(BAJ, official member)	<i>from Sep.,2021</i>
	Hiroyuki Yoshimoto	(BAJ, official member)	
	Takashi Kawanowa	(BAJ, official member)	<i>from Apr.,2021</i>
	Masanori Mizutani	(BAJ, official member)	<i>from Sep.,2021</i>
	Hiroshi Kubota	(BAJ, official member)	<i>until Aug.,2021</i>
	Masumi Hasegawa	(BAJ, official member)	<i>until Mar.,2021</i>
Secretariat:	Takeshi Kumagai	(SUNTORY BEER LIMITED)	

(2) The Objectives of the BCOJ

- ① To standardize analytical methods for the evaluation of materials and products adopted in beer brewing and other related industries.
- ② To facilitate scientific and technological research through mutual communication among beer brewing industry specialists.
- ③ To work in collaboration with other foreign and domestic organizations with shared objectives.

The meetings of the Board Committee, Analysis Committee, Program Committee, and the Annual Meeting of the BCOJ were held to execute the mission of the BCOJ.

2. Science and Technology Exchange with the European Brewery Convention (EBC) and American Society of Brewing Chemists (ASBC)

2021 ASBC Meeting was held online from June 7 to 9. But just as last year, the members of the BCOJ board could not participate in the meeting on-site due to COVID-19.

3. BCOJ Annual Meeting

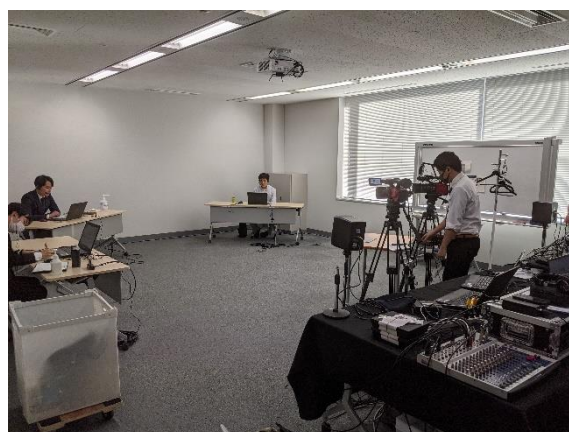
November 11 and 12, the 2021 BCOJ annual meeting was held online in real time. It was the first trial for BCOJ meeting, just like every other year, many participants (total 327 persons) from five major Japanese breweries and related companies or ministries joined in the conference. Participants exchanged views on many beer-related issues including the development of attractive products, improvements in taste, and securing food safety.

This year was the 30th anniversary of the BCOJ annual conference. The BCOJ board chair, analysis committee chair, and program committee chair reported on the topics of the BCOJ's activities and future vision. We also received video messages from the ASBC president (Mr. David Maradyn) and EBC president (Mr. Benet Fité Luís).

At the BCOJ Contribution Award Ceremony, the gift of shields and flowers was presented to Dr. Koji Suzuki (ASAHI QUALITY & INNOVATIONS, LTD.), and the commemorative lecture was given by him. In addition, Dr. Yuki Hanyu, CEO of IntegriCulture Inc., gave an invited lecture on "Cell Culture for Food Production".



Opening remarks by BCOJ President Umezawa



Live broadcasting



BCOJ Contribution Award Ceremony

4. Board Meetings

- 1st meeting: April, 2021 Online meeting
Agenda: Planning for ASBC meeting participation.
Election of the 2021 BCOJ Contribution Award recipient.
- 2nd meeting: Sept., 2021 Online meeting
Agenda: BCOJ activities and planning for BCOJ annual meeting.
- 3rd meeting: Nov., 2021 Online meeting
Agenda: BCOJ activities and budget for 2021 and 2022
- 4th meeting: Dec., 2021 at Brewers Association of Japan, Tokyo
Agenda: Retrospection over 2021 activities. Establish the budget for 2022.
Planning for 2022 activities.
- Extraordinary meeting: Dec., 2021 Online meeting
Agenda: Discussion for the handling of animal experiments in the alcohol-related cooperative research by Brewers Association of Japan

Completed by Takeshi Kumagai

2021 Annual Report of BCOJ Analysis Committee

Chairperson: Takayuki Watanabe

Vice-Chairperson: Takako Inui

The term for the annual activities of BCOJ Analysis Committee in 2021 was from January to December. The committee had seven meetings. The following individuals were the members of the committee.

Chairperson

Takayuki Watanabe (Sapporo Breweries Ltd.)

Vice-Chairperson

Takako Inui (Suntory Beer Limited)

Members

Masayuki Omote (Asahi Breweries, Ltd.)

Masahito Muro (Kirin Holdings Company, Limited)

Wataru Nakamura (Orion Breweries, Ltd.)

Takashi Kamiya(Sapporo Breweries Ltd.)

Takako Inui (Suntory Beer Limited)

Masumi Hasegawa (BAJ, official member) (—Mar. 2021)

Hiroshi Kubota (BAJ, official member) (—Aug. 2021)

Hiroyuki Yoshimoto (BAJ, official member)

Takashi Kawanowa (BAJ, official member) (Apr. 2021—)

Masanori Mizutani (BAJ, official member) (Sep. 2021—)

1. The BCOJ Collaborative Work

Regarding the hop aroma component analysis in beer using the SPME-GC / MS method started in 2018, the optimum analysis conditions have been determined, so a collaboration test was conducted in 12 laboratories including 5 BCOJ member companies. As a result of statistical analysis of the acquired data, the HorRat value of all of the three components to be analyzed, that is, myrcene, linalool, and geraniol, was within 2.0, which was a good result, and the collaboration test was established.

We will prepare a report by the end of the year and make a presentation at the poster session of Brewing Summit 2022. (The managing company is Sapporo Breweries Ltd.)

2. Applying Alcolyzer for Alcohol Analysis to RTD

Aiming to register a method for measuring alcohol content other than those prescribed by the National Tax Agency (NTA), the application of the alcolyzer method to spirits and liqueur have been studied since 2019. This year, 10 laboratories from 5 BCOJ member companies participated in the collaborative test, and it was confirmed that there was no problem in the deviation of the measured value from the distillation method and the indoor / inter-chamber reproducibility. The application registration with the NTA was completed, and it was posted on the NTA website on October 8 as measurement method No. 12 "Measurement of alcohol content by BCOJ beer analysis method RTD-1 and RTD-2 alcolyzer method". Spirits are limited to those with an alcohol content of 20.0% by volume or less, and liqueurs are limited to those with an alcohol content of 10.0% by volume or less and an extract content of 13.0 degrees or less. Spirits and liqueur can be diluted with water within a range of 4 times under 15 °C conditions.

As a future issue, if there is a request from each company, we will consider whether dilution higher than 4 times or filter paper filtration or centrifugation operation of smoky or turbid samples, those are not permitted by this method, will be a problem.

3. The revision of the BCOJ beer analysis method

The CD-ROM version of the beer analysis method is the latest in 2013, and it has not been updated since then. In consideration of convenience and social situations, the members of each company and the BCOJ officers agreed that it is desirable to make regular revisions using the electronic version instead of the book or CD version. Therefore, as one of the main activities of next year, it is essential to determine the revised items of the analytical method and prepare the revised manuscript, and at the same time, we will consider how to proceed with the electronic version.

4. BCOJ Technical Seminar

BCOJ Technical Seminar was held online from 15:00 to 17:00 on June 4, 2021, with 43 participants.

Title: Analysis uncertainty-top-down method and bottom-up method

Instructor: Dr. Hideyuki Tanaka

National Institute of Advanced Industrial Science and Technology (AIST)

We discussed the contents of the seminar with the instructor in advance. In addition to the basic contents, there were also practical contents related to the joint experiment, so it was a very meaningful.

5. International Activities

(1) EBC Analysis Group conference

The EBC Analytical Committee was held in a completely online on November 30, 2021. Chairperson and vice chairperson participated, and Chairman Watanabe reported on BCOJ activities.

(2) ASBC Technical Committee meeting

The meeting was not held in 2021.

(3) EBC Collaborative Work

There was no participation from 5 BCOJ member companies.

6. Information disclosure activities

The 2021 BCOJ Annual Convention was held completely online on November 11 and 12, along with the overseas conferences in 2020.

Completed by Takako Inui

2021 Annual Report of BCOJ Program Committee

Chairperson: Keisuke Okada

1. Member

The following individuals were the members of the 2021 Program Committee.

Chairperson:	Keisuke Okada	(ASAHI BREWERIES, LTD.)
Vice-chairperson:	Junya Sakaguchi	(SAPPORO BREWEIRIES, LTD.)
Member:	Satoshi Okada	(Kirin Holdings Co., Limited)
	Hiroyuki Abe	(SUNTORY BEER LIMITED)
Brewers Association of Japan:	Hiroshi Kubota	until August
	Hiroyuki Yoshimoto	
	Takashi Kawanowa	from April
	Masanori Mizutani	from September
	Masumi Hasegawa	until March

2. Objectives of Program Committee

Program committee take a role to achieve especially 2nd and 3rd goals of BCOJ through the planning and implementation of the BCOJ annual meeting.

3. Activities

The Program Committee in 2021 held five regular meetings and two extraordinary meetings for planning and implementation of the 30th Annual Meeting of the BCOJ (BCOJ 2021).

BCOJ 2021 was held on November 11 and 12. Under the influence of COVID-19, BCOJ 2021 was held online for the first time to balance the safety of participants and technical exchange. There were about 327 people attending this meeting (based on number of advance application). In this meeting we had 8 oral presentations and 4 poster presentations. Mr. David Maradyn (the president of ASBC), Mr. Benet Fité Luis (the president of EBC) and Mr. John Brauer (executive officer of the Brewers of Europe) gave us video message. Also, we have invited Mr. Yuki Hanyu (CEO of IntegriCulture Co., Ltd.) and he presented a guest lecture. It was well-received by the audience.

4. Program Committee Meetings

(1) Regular Session 1 (Jan. 25, online)

-The outline of BCOJ 2021 was discussed.

(2) Regular Session 2 (Apr. 12, online)

-Draft of the BCOJ 2021 program including the time schedule for presentations was determined.

(3) Extraordinary Session 1 (May 21, online)

-Discussion about the format of BCOJ 2021

(4) Regular Session 3 (July 12, Online)

-The detailed program of BCOJ 2021 was decided and the necessary works for its preparation such as issue of abstract were confirmed.

- (5) Extraordinary Session 2 (Aug. 17, online)
 - The detailed program of BCOJ 2021 was discussed.
- (6) Regular Session 4 (Oct. 12, at Brewers Association of Japan's office)
 - Final confirmation of the BCOJ 2021 was arranged on-site.
- (7) BCOJ Annual Meeting 2021 (Nov. 11-12, at Brewers Association of Japan's office and online)
- (8) Regular Session 5 (Dec. 2, at Brewers Association of Japan's office)
 - The result of the questionnaire on BCOJ 2021 was discussed for next year.

Completed by Keisuke Okada