



# **2020 ANNUAL REPORT**

December 2020

Brewery Convention of Japan (BCOJ)



**Brewery Convention of Japan**

2-8-18, KYOBASHI, CHUO-KU, TOKYO 104-0031 JAPAN

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# 2020 Annual Report of the Board Committee

December 2020

The President of BCOJ

Shingo Kawasaki

## 1. Board Members and Mission of BCOJ

### (1) BCOJ Board Members in 2020

President:	Shingo Kawasaki	(SUNTORY BEER LIMITED)	
Directors:	Fumito Ishida	(SAPPORO BREWERIES LTD.)	
	Kazuhiko Uemura	(ASAHI BREWERIES, LTD.)	
	Yuji Idota	(KIRIN HOLDINGS COMPANY, Limited)	<i>until Apr.,2020</i>
	Kazufumi Nagashima	(KIRIN HOLDINGS COMPANY, Limited)	<i>from Apr.,2020</i>
	Masaru Shimabukuro	(ORION BREWERIES, LTD.)	<i>until Oct.,2020</i>
	Makoto Taruoka	(ORION BREWERIES, LTD.)	<i>from Oct.,2020</i>
Analysis Committee Chair:	Takayuki Watanabe	(SAPPORO BREWERIES LTD.)	
Program Committee Chair:	Takahiro Wakihira	(ASAHI BREWERIES, LTD.)	
Brewers Association of Japan:	Takeshi Itagaki	(BAJ, official member)	
	Makoto Taruoka	(BAJ, official member)	<i>until Sep.,2020</i>
	Hiroshi Kubota	(BAJ, official member)	
	Hiroyuki Yoshimoto	(BAJ, official member)	
	Masumi Hasegawa	(BAJ, official member)	<i>from Sep.,2020</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)**

Taking place every four years, World Brewing Congress is presented by the American Society of Brewing Chemists, Master Brewers Association of the Americas, with active participation from the European Brewery Convention and the Institute of Brewing and Distilling. But unlike a normal year, the members of the BCOJ board could not participate in WBC due to COVID-19.

## 3. **BCOJ Annual Meeting**

The board committee decided to cancel the 2020 BCOJ Annual Meeting scheduled for November 12-13 in consideration of the impact of the spread of the COVID-19. As a result, the invitation of the ASBC Chair was also cancelled.

We decided to give the 2020 BCOJ Contribution Award to Dr. Koji Suzuki (ASAHI QUALITY & INNOVATIONS, LTD.), a world-renowned researcher on beer-spoilage microorganisms. Due to the COVID-19 restrictions, the official ceremony could not take place, but he was received the plaque from BCOJ president.

## 4. **Board Meetings**

- |                          |  |                |
|--------------------------|--|----------------|
| 1 <sup>st</sup> meeting: | June, 2020   | Online meeting |
| Agenda:                  | Planning for WBC participation<br>Election of the 2020 BCOJ Contribution Award recipient |                |
| 2 <sup>nd</sup> meeting: | Sept., 2020  | Online meeting |
| Agenda:                  | BCOJ activities and budget for 2020 and 2021   |                |
| 3 <sup>rd</sup> meeting: | Nov., 2020   | Online meeting |
| Agenda:                  | Establish the budget for 2021  |                |
| 4 <sup>th</sup> meeting: | Dec., 2020   | Online meeting |
| Agenda:                  | Retrospection over 2020 activities<br>Schedule for 2021 activities                       |                |

*Completed by Takeshi Kumagai*

# 2020 Annual Report of BCOJ Analysis Committee

December 2020

Chairperson: Takayuki Watanabe

Vice-Chairperson: Takako Inui

The term for the annual activities of BCOJ Analysis Committee in 2020 was from January to December. The committee had six meetings. The following individuals were the members of the committee.

## Chairperson

Takayuki Watanabe (Sapporo Breweries Ltd.)

## Vice-Chairperson

Takako Inui (Suntory Beer Limited)

## Members

Toshiaki Aikawa (Asahi Breweries, Ltd.) (–Nov. 2020)

Masayuki Omote (Asahi Breweries, Ltd.) (Dec. 2020–)

Keiichiro Oshiro (Orion Breweries, Ltd.) (–March. 2020)

Wataru Nakamura (Orion Breweries, Ltd.) (Apr. 2020–)

Takashi Kamiya(Sapporo Breweries Ltd.)

Takako Inui (Suntory Beer Limited)

Masahito Muro (Kirin Company, Limited)

Masumi Hasegawa (BAJ, official member) (Sep. 2020–)

Makoto Taruoka (BAJ, official member) (– Sep. 2020)

Hiroshi Kubota (BAJ, official member)

Hiroyuki Yoshimoto (BAJ, official member)

## 1. The BCOJ Collaborative Work

•BCOJ worked on “Analytical method for hop aroma compounds by SPME-GC/MS” which is the third year activity continuing from 2018 for analysis accuracy improvement. The target analytes are linalool, geraniol, and myrcene.

(Lead manager is Sapporo Breweries Ltd.)

•As results of repeated improvements such as unifying the vial from the screw cap to the crimp cap and optimizing the concentration range for calibration curve, the linearity of the calibration curve of all three components became good, and the variation of the quantitative value is also reduced in two pre-collaboration tests by 5 BCOJ companies.

•We are recruiting participating organizations other than the five BCOJ member companies so that this collaboration test can be conducted in more than eight laboratories, and we plan to conduct it in January-February.

## 2. Application of Alcoalyzer for alcohol analysis to RTD

Considering liqueurs and spirits, which account for the majority of RTDs in terms of shipment volume, as measurement targets, Kirin Breweries Limited evaluates them (accuracy, parallel accuracy). The alcohol concentration to be measured was 10% or less for liqueur and 20% or less for spirits.

•In the accuracy test of liqueur with 10 % alcohol and 15 °P extract, the difference between the alcohol analysis values of the distillation method and the Alcoalyzer method was 0.21%, which was less than ± 0.1% of the standard indicated to the National Tax Agency. Retesting in progress.

•The application for high-concentration raw materials, so called syrup, those are the basis of products are also under consideration.

•After confirming that there is no problem with the accuracy and parallel accuracy, report to the NTA and start a joint experiment (inter-room accuracy evaluation).

•Participation in the joint experiment will be conducted in 2 test rooms for Asahi, 4 test rooms for Kirin, 2 test rooms for Sapporo, 1 test room for Suntory, 1 test room for Orion.

### **3. BCOJ Technical Seminar**

•The following two technical sessions were held on September 14th (Monday) at BCOJ meeting room A and by Teams meeting. Forty-nine participants from BCOJ companies and BCOJ (of which 43 were online participants) attended the seminar.

Lecture 1: "Introduction of biomedical robot business"

Mr. Kanji Yamamoto, Biomedical Robot Department, Robot Division, Yaskawa Electric Corporation

Lecture 2: "Introduction of RBI company and LabDroid Mahoro"

Robotic Biology Institute Co., Ltd.

Commercial Operations Team Eiji Kihara

•A review was made on how to run BCOJ technical seminar after 2021. We would like to clarify the purpose of the study session because it is no longer possible to differentiate from the invited lectures of BCOJ annual conference. Instead of soliciting themes from each BCOJ company, BCOJ Analysis Committee first decides on the theme, and then recommends instructors that match the theme from each company. From the perspective of the benefits of activities across the beer industry, it is very meaningful for BCOJ to invite instructors from other industries.

### **4. International Activities**

(1) EBC Analysis Group conference

Due to COVID-19 pandemic, on-site conference was not held.

Conference calls and web conferences were held, but BCOJ did not participate.

(2) ASBC Technical Committee meeting

As well as EBC conference, the meeting was not held in 2020.

(3) EBC Collaborative Work

In response to a request to participate in a collaborative experiment on the theme of "gluten analysis in beer," one lab each from Asahi and Sapporo participated. The analysis results are under evaluation by the EBC Analysis Committee.

### **5. Information disclosure activities**

The 2020 BCOJ annual convention was canceled due to COVID-19 pandemic, and the annual activity report could not be carried out.

*By Takako Inui*

# 2020 Annual Report of BCOJ Program Committee

December 2020

Chairperson: Takahiro Wakihira

## 1. Member

The following individuals were the members of the 2020 Program Committee.

Chairperson:	Takahiro Wakihira	(ASAHI)
Vice-chairperson:	Kei Asada	(SAPPORO)
Member:	Satoshi Okada	(KIRIN)
	Hiroyuki Abe	(SUNTORY)
Brewers Association of Japan:	Makoto Taruoka	until September
	Hiroshi Kubota	
	Hiroyuki Yoshimoto	
	Masumi Hasegawa	from September

## 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 2020 held two regular meetings and one extraordinary meeting for planning and implementation of the 30<sup>th</sup> Annual Meeting of the BCOJ (BCOJ 2020).

BCOJ 2020 was planned to be held on November 12<sup>th</sup> and 13<sup>th</sup>, however, the Annual Meeting was canceled due to the circumstances surrounding the COVID-19.

The Program Committee has started to discuss its plans for the next Annual Meeting (BCOJ 2021).

## 4. Program Committee Meetings

(1) Regular Session 1 (Jan. 24<sup>th</sup>, at Sapporo, Shizuoka Brewery)

-The outline of BCOJ 2020 was discussed.

(2) Extraordinary Session 1 (Jul. 16<sup>th</sup>, at Teams)

-Announcement on the cancellation of BCOJ 2020 was discussed.

(3) Regular Session 2 (Nov. 24<sup>th</sup>, at Teams)

-Plans for the next Annual Meeting (BCOJ 2021) were discussed.

*Completed by Takahiro Wakihira*