



2018 ANNUAL REPORT

December 2018

Brewery Convention of Japan
(BCOJ)



Brewery Convention of Japan

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

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2018 Annual Report of the Board Committee

December, 2018

The President of BCOJ

Yuji Idota

1. Board Members and Mission of BCOJ

(1) BCOJ Board Members in 2018.

President:	Yuji Idota	(Kirin Company, Limited)	
Directors:	Seigo Hideshima	(SUNTORY BEER LIMITED)	<i>until Mar.2018</i>
	Seisuke Takaoka	(SUNTORY BEER LIMITED)	<i>from Mar.2018</i>
	Tetsuya Watanabe	(ASAHI BREWERIES, LTD.)	<i>until Apr.2018</i>
	Kazuhiko Uemura	(ASAHI BREWERIES, LTD.)	<i>from Apr.2018</i>
	Koichi Toyoshima	(SAPPORO BREWERIES LTD.)	<i>until Sep.2018</i>
	Fumito Ishida	(SAPPORO BREWERIES LTD.)	<i>from Sep.2018</i>
	Masaru Shimabukuro	(ORION BREWERIES, LTD.)	
Analysis Committee Chair:	Koji Suzuki	(ASAHI GROUP HOLDINGS, LTD.)	
Program Committee Chair:	Takahiro Wakihira	(ASAHI BREWERIES, LTD.)	
Brewers Association of Japan:	Shuji Takimoto	(BAJ, official member)	<i>until Aug.2018</i>
	Takeshi Itagaki	(BAJ, official member)	<i>from Aug.2018</i>
	Katsuhiro Noguchi	(BAJ, official member)	<i>until Sep.2018</i>
	Tetsuya Saito	(BAJ, official member)	
	Makoto Taruoka	(BAJ, official member)	<i>from Oct.2018</i>
	Secretariat:	Hiroyuki Yoshimoto	(Kirin Company, 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 American Society of Brewing Chemists (ASBC)

(1) Participation in the Brewing Summit 2018

The members of the BCOJ board participated in the Brewing Summit 2018, San Diego, CA, USA, from Aug. 12th to 15th, 2018, to promote technology exchanges with other participants and ASBC board members. During the conference, 20 c/s of Japanese beer was donated and served to delegates. BCOJ members were invited to the reception party held by the ASBC president, and networks among delegates were established.

(2) Participation in the International Networking Session

On the day before Brewing Summit 2018 (Aug. 11th), we held the International Networking Session, a joint holding of ASBC and BCOJ. Young researchers from ASBC and BCOJ gathered as a main objective of upgrading technology skills through mutual technical exchanges and held a short presentation on each subject's research topics and discussed places.



International Networking Session

3. BCOJ Annual Meeting

During November 8–9, the 2018 BCOJ Annual Meeting was held at Seiryō-Kaikan, Tokyo. Approximately 290 scientists, brewers and engineers from five major Japanese breweries and related companies or ministries participated in the conference. Participants exchanged views on many beer-related issues including the development of attractive products, improvements in taste, and securing food safety.

Dr. Dana Sedin (the president of ASBC), Mr. Scott Britton (the next president of ASBC), and Dr. Xiang Yin (ASBC Asia Liaison Officer), were invited to the conference. The presentation, “Wood Aged/Sour Beer Flavor and Analysis,” given by the ASBC president, was well-received by the audience. At the BCOJ Achievement Awards ceremony, a gift of shields and flowers was presented to Mr. Atsushi Murakami of Kirin Co., Ltd. As the invited lecture, Mr. Takahiro Inagawa, CEO, Interstellar Technologies Inc. talked about Present state and development of rocket development by private company in Japan.

4. Board Meetings

1st meeting: Feb. 2018 at Kyushu Kumamoto Plant, SUNTORY BEER LIMITED, Kumamoto

Agenda: Further collaboration with ASBC
Internship with Dr. Thomas Shellhammer of Oregon State University

2nd meeting: Apr. 2018, at Nago Brewery, ORION BREWERIES, LTD, Okinawa

Agenda: International Networking Session at Brewing Summit 2018
Election of the 2017 BCOJ Contribution Award recipient

3rd meeting: Nov. 2018, at Seiryō-Kaikan, Tokyo

Agenda: Schedule of the 2018 BCOJ Annual Meeting.
Next year's budget

4th meeting: Dec. 2018, at Brewers Association of Japan, Tokyo

Agenda: Retrospection over 2018 activities.
Introduction of the schedule for 2018 annual activities



Technical tour in Chuko Shuzo in Okinawa

Completed by Hiroyuki Yoshimoto

2018 Annual Report of BCOJ Analysis Committee

December 2018

Chairperson: Koji Suzuki

Vice-Chairperson: Takayuki Watanabe

The term for the annual activities of BCOJ Analysis Committee in 2018 was from January to December. The committee had eight meetings. The following individuals were the members of the committee.

Chairperson

Koji Suzuki (Asahi Group Holdings, Ltd.)

Vice-Chairperson

Takayuki Watanabe (Sapporo Holdings Ltd.)

Members

Shigekuni Noba (Asahi Breweries, Ltd.) (until Mar.2018)

Toshiaki Aikawa (Asahi Breweries, Ltd.) (from Apr.2018)

Yoshikata Azuma (Orion Breweries, Ltd.)

Kenya Morita (Sapporo Holdings Ltd.)

Miho Sawada (Suntory Beer Limited)

Kyoko Hiratsuka (Kirin Company, Limited) (until Mar.2018)

Masahito Muro (Kirin Company, Limited)

Katsuhiko Noguchi (BAJ, official member) (until Sep.2018)

Tetsuya Saito (BAJ, official member)

Makoto Taruoka (BAJ, official member)

Hiroshi Kubota (BAJ, official member) (from Sep.2018)

1. The BCOJ Collaborative Work

BCOJ worked on the following collaborative study: “Determination of ethanol content in pitching yeast by Alcoalyzer”. It was concluded that the Alcoalyzer method is capable of determining alcohol concentration in yeast slurries and yeast-containing semi-products. The above method by Alcoalyzer has been approved by the National Tax Agency Japan since June, 2018. BCOJ worked on “Analytical method for hop aroma compounds by SPME-GC/MS” as well. Linalool, geraniol and β -myrcene have been chosen as target compounds. We are performing a preliminary evaluation to decide whether we should move on to hold a full collaborative test in 2019. Furthermore we are preparing potential BCOJ collaborative work “Alcohol measurement in RTD by Alcoalyzer”.

2. Revision of Sensory Evaluation Methods of BCOJ

We started to revise BCOJ Sensory Analysis Methods at the end of 2014. The contents of the Methods are originally derived from ASBC MOA and/or Analytica-EBC. Finally we completed the revision of *Sensory Evaluation Methods of BCOJ* and it was published in September. We will finish the payment of the copyright fees to ASBC and EBC until end of the year.

3. BCOJ Technical Seminar

BCOJ Technical Seminar was held on September 21. There were ca 40 participants from the member companies of BCOJ (BAJ).

Title: “Basic concept of AI and its applications to the food industry”

Lecturer: Mr. Takeshi Ueno Manager, Production Engineering Department, Kewpie Corporation (the biggest mayonnaise company)

4. International Activities

(1) ASBC Technical Committee

The chairperson, vice-chairperson of BCOJ Analysis Committee and an official member of BAJ were delegated to attend the ASBC Technical Committee meeting held in San Diego, California, USA, on August 10, 2018. The chairperson of BCOJ Analysis Committee shared the BCOJ activities with members of ASBC Technical Committee.

(2) EBC Analysis Group

The chairperson and vice-chairperson of BCOJ Analysis Committee were delegated to attend the EBC Analysis Group meeting held in Brussels, Belgium, on November 26-27, 2018. The chairperson of BCOJ Analysis Committee shared the BCOJ activities with members of EBC Analysis Group.

5. Publication Works

- (1) The activities of BCOJ Analysis Committee from 2017 to 2018 were presented by the chairperson of BCOJ Analysis Committee at the BCOJ annual meeting in November 2018.

6. BCOJ Analysis Committee Middle Term Plan

BCOJ Analysis Committee will finish the Middle Term Plan from 2014 to 2018 and has developed the next term plan from 2019 to 2023. We will work under the Middle Term Plan from 2019 to 2023.

Completed by Takayuki Watanabe

2018 Annual Report of BCOJ Program Committee

December, 2018

Chairperson: Takahiro Wakihira

Vice-chairperson: Takeshi Kumagai

The following individuals were the members of the 2018 Program Committee.

Chairperson:	Takahiro Wakihira	(ASAHI BREWERIES, LTD.)
Vice-chairperson:	Satoshi Kurakane	(SUNTORY BEER LIMITED) until Jul.2018
	Takeshi Kumagai	(SUNTORY BEER LIMITED) from Aug.2018
Member:	Kiyoshi Takoi	(SAPPORO BREWERIES LTD.) until Dec.2018
	Kei Asada	(SAPPORO BREWERIES LTD.) from Oct.2018
	Hitoshi Takemura	(Kirin Company, Limited)
Brewers Association of Japan:	Katsuhiro Noguchi	until Sep.2018
	Tetsuya Saito	
	Makoto Taruoka	
	Hiroshi Kubota	from Sep.2018

The Program Committee in 2018 held five regular meetings for planning and implementation of the 28th Annual Meeting of the BCOJ (BCOJ 2018) and three extraordinary meetings for other specific topics. The Program Committee and Prof. Touhara of the University of Tokyo began the cooperative research on beer flavor in June 2008, and it was continued successfully until the end of May 2018.

The Program Committee contributed a review of BCOJ annual meetings to the Journal of the Brewing Society of Japan in September, entitled “Footsteps of the BCOJ Annual Meeting in a quarter-century”.

BCOJ 2018 was held on November 8th and 9th. There were a total of 23 oral and poster presentations. Mr. Takahiro Inagawa (CEO, Interstellar Technologies Inc.) presented an invited lecture entitled “Present state and development of rocket development by private company in Japan.”

To publicize BCOJ 2018, information was provided on the Jozo-kyokai-shi (Journal of the Brewing Society of Japan) and BCOJ home pages.

Program Committee Meetings:

- (1) Regular Session 1 (Jan. 22nd, at Asahi, Nagoya Brewery)

The outline of BCOJ 2018 was determined.

- (2) Regular Session 2 (Mar. 2nd, at Suntory, Kumamoto Brewery)

Draft of the BCOJ 2018 program including the time schedule for presentations and allocation of posters was determined.

(3) Extraordinary Session 1 (May. 10th, at BAJ)

Review of the BCOJ Annual Meeting in a quarter-century was discussed.

(4) Regular Session 3 (Aug. 3rd, at Sapporo, Nasu Brewery)

The detailed program of BCOJ 2018 was decided and the necessary works for its preparation such as issue of abstract were confirmed.

(5) Extraordinary Session 2 (Aug. 20th, at BAJ)

Preparation for the invited lecture was discussed.

(6) Extraordinary Session 3 (Aug. 28th, at the University of Tokyo)

Cooperative research was discussed.

(7) Regular Session 4 (Oct. 11th, at Seiryō Kaikan)

Final confirmation of the BCOJ 2018 was arranged on-site.

(8) Regular Session 5 (Nov. 22nd, at Kirin, Hokkaido Chitose Brewery)

The result of the questionnaire on BCOJ 2018 was discussed for next year.

Completed by Takahiro Wakihira

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