



# **2015 ANNUAL REPORT**

December 2015

Brewery Convention of Japan  
(BCOJ)



**Brewery Convention of Japan**

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

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# 2015 Annual Report of the Board Committee

December, 2015  
President of BCOJ  
Masayuki Aizawa

## 1. Board Member and Mission of BCOJ

### (1) BCOJ Board Members in 2015.

President:	Masayuki Aizawa	(ASAHI BREWERIES, LTD.)	
Directors:	Takeshi Nakamura	(SAPPORO BREWERIES LTD.)	
	Seigo Hideshima	(SUNTORY BEER LIMITED)	
	Akihito Yokoyama	(Kirin Brewery Company, Limited)	<i>until Sept 2015</i>
	Toshinori Hirano	(Kirin Company, Limited)	<i>from Oct 2015</i>
	Akira Taira	(ORION BREWERIES, LTD.)	<i>until Sept 2015</i>
	Masaru Shimabukuro	(ORION BREWERIES, LTD.)	<i>from Oct 2015</i>
Analysis Committee Chair:	Yoshinori Hida	(SUNTORY BEER LIMITED)	
Program Committee Chair:	Masanori Shirai	(SAPPORO BREWERIES LTD.)	
Brewers Association of Japan:	Masaaki Hachisuka	(BAJ, official member)	<i>until Sept 2015</i>
	Koichi Hirai	(BAJ, official member)	
	Atsushi Fujita	(BAJ, official member)	<i>from Oct 2015</i>
Secretariat:	Toru Kishimoto	(ASAHI BREWERIES, LTD.)	

### (2) Objectives of 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 Board Committee, Analysis Committee, Program Committee, and Annual Meeting of the BCOJ were held to execute the BCOJ mission.

## 2. Science and Technology Exchange with American Society of Brewing Chemists (ASBC) and European

## Brewery Convention (EBC)

### (1) Participation in the EBC Congress

BCOJ members participated in the EBC Congress, Porto, Portugal, from May 24–28 to promote technology exchanges. The BCOJ president and secretariat attended the EBC Executive Committee. Four presentations were made in the EBC's Japan Session. Dr. Takashi Iimure of Sapporo Breweries Ltd., was presented the Best Presenter Award.



Japan Session in EBC congress



Best Presenter Award

### (2) Participation in the ASBC Annual Meeting

BCOJ board members participated in the ASBC Annual Meeting, La Quinta, California, U.S.A., from June 13–17 to promote technology exchanges with other participants and ASBC board members. During the conference, 20 c/s of Japanese beer were donated and served. The analytical committee presented the results of the 2014 BCOJ Collaborative Work. BCOJ members were invited to the reception party held by ASBC president and promoted committed relationships.



Donation of Japanese Beer



Reception party held by the ASBC president

## 3. BCOJ Annual Meeting

On November 5–6, the 2015 BCOJ Annual Meeting was held at Seiryō-Kaikan, Tokyo. Approximately 262 scientists and brewers from five major Japanese breweries and related companies or ministries participated in the conference. Participants exchanged views on the development of attractive products, improvements in taste,

securing food safety, etc.

ASBC president Dr. Christina Schoenberger, ASBC vice-president Ms. Christine S. White, and former ASBC president Dr. Thomas H. Shellhammer were invited to the conference. The presentation “A review of hops aroma in beer” given by the ASBC president were well received by the audience. The BCOJ Contribution Award was presented to Shigeki Furusho for his outstanding career and valuable contributions to the BCOJ and the international brewing science community.



Presentation by the ASBC President



Invited lecture in the Annual Meeting



Evening Reception

#### 4. Board Meetings

- 1<sup>st</sup> meeting: Apr. 9<sup>th</sup> , at Kobe Plant, Kirin Brewery Company, Limited, Hyogo
- Agenda: Schedule of the visit to the EBC congress and ASBC annual meeting  
Election of the 2015 BCOJ contribution award recipient  
Collaborative researches in 2015  
Exchange with HAKUTSURU SAKE BREWING CO., LTD.

- 2<sup>nd</sup> meeting: Sept. 17<sup>th</sup> , at Chiba Plant, SAPPORO BREWERIES, LTD., Chiba  
 Agenda: The report for the participation in EBC congress and ASBC annual meeting  
 Collaborative researches in 2015  
 Proceedings schedule of 2015 BCOJ Annual Meeting.  
 Exchange with Kikkoman.
- 3<sup>rd</sup> meeting: Nov. 6<sup>th</sup> , at Seiryō-Kaikan, Tokyo  
 Agenda: Next year's budget  
 Schedule of 2016 BCOJ Annual Meeting.  
 Collaborative researches in 2015  
 Revision of BCOJ sensory evaluation method
- 4<sup>th</sup> meeting: Dec. 15<sup>th</sup> , at Brewers Association of Japan, Tokyo  
 Agenda: Retrospection over 2015 activities.  
 Introduction of the schedule for 2016 annual activities  
 Collaborative researches in 2015



Exchange with HAKUTSURU SAKE BREWING CO., LTD.



Exchange with Kikkoman Corporation

*Completed by Toru Kishimoto*

Brewery Convention of Japan (BCOJ)

The Brewers Association of Japan House, 16-7, Ginza 1-chome, Chuo-ku, Tokyo 104-0061 Japan

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# 2015 Annual Report of BCOJ Analysis Committee

January 2016

Chairperson; Yoshinori Hida

Vice-Chairperson; Masahito Muro

The term for the annual activities of the BCOJ Analysis Committee in 2015 ran from January to December. The committee had seven meetings. The following individuals were the members of the committee.

## Chairperson

Yoshinori Hida (Suntory Beer Limited)

## Vice-Chairperson

Masahito Muro (Kirin Company, Limited)

## Members

Atsushi Ohuchi (Asahi Breweries, Ltd.) ( - Oct. 2015)

Shigekuni Noba (Asahi Breweries, Ltd.) (Nov. 2015 – )

Tsuyoshi Miyagi (Orion Breweries, Ltd.)

Takayuki Watanabe (Sapporo Breweries Ltd.)

Yusuke Ishizuka (Suntory Beer Limited) ( - Feb. 2015)

Miho Sawada (Suntory Beer Limited) (Mar. 2015 – )

Ryota Hattori (Kirin Company, Limited) ( - Mar. 2015)

Sayuri Kato (Kirin Company, Limited) (Apr. 2015 – )

Masaaki Hachisuka (BAJ, official member) (– Sep. 2015)

Koichi Hirai (BAJ, official member)

Atsushi Fujita (BAJ, official member)

Katsuhiro Noguchi (BAJ, official member) (Sep. 2015 - )

## 1. BCOJ's Collaborative Work

BCOJ worked on the following collaborative study: “Determination of lower boiling volatiles in beer by headspace GC/MS,” which was conducted by 13 collaborators. Consequently, the Horwitz ratios (HorRat) for all the lower boiling volatiles were under two and judged acceptable. It was concluded that the method is capable of quantifying six lower boiling volatiles (ethyl acetate, n-propanol, isobutanol, isoamyl acetate, and isoamyl alcohol) in beer. The committee recommends that the method be adopted for inclusion in *The Methods of Analysis of BCOJ*.

## 2. BCOJ Technical Seminar

The BCOJ Technical Seminar was held in September. There were 28 participants from the companies of BCOJ and the Brewers Association of Japan (BAJ).

Title: “Recent examples of foreign matters in foodstuff and measures for preventing from

contamination of foreign matters at production plants.”

Lecturer: Hiroshii Hashiguchi (Deputy Manager, Training and Applied Technology R&D Division, Earth Environmental Service Co., Ltd.)

### **3. International Activities**

#### (1) EBC Analysis Committee

The chairperson and vice-chairperson of the BCOJ Analysis Committee and an official member of BAJ were delegated to attend the EBC Analysis Committee meeting on May 24th, 2015.

#### (2) Joint EBC/ASBC meeting

The chairperson and vice-chairperson of BCOJ Analysis Committee and an official member of BAJ were delegated to attend the Joint EBC/ASBC meeting on May 26th, 2015.

#### (3) ASBC Technical Committee

The chairperson and vice-chairperson of BCOJ Analysis Committee and an official member of BAJ were delegated to attend the ASBC Technical Committee meeting on June 26th, 2015.

#### (4) ASBC Collaborative Work; Foam stability of beer using NIBEM method

Two BCOJ members' laboratories joined this collaborative work. The study will be conducted in the near future.

### **4. Publication Works**

#### (1) Takayuki Watanabe, Poster Presentation (P-47) at 2015 ASBC annual meeting.

Title; Determination of Wheat Protein in Beer by FASPEK Wheat/Gluten(Gliadin) ELISA Kit II: 2014 BCOJ Collaborative Work

#### (2) Report of 2014 BCOJ Collaborative Work - Determination of Wheat Protein in Beer by FASPEK Wheat/Gluten(Gliadin) ELISA Kit II, *J. Am. Soc. Brew. Chem.*, 74, (4), pp.370-371: 2015.

#### (3) The method mentioned above was adopted for inclusion in *The Methods of Analysis of BCOJ* and will be published in the *Journal of the Brewing Society of Japan* in 2016.

#### (4) The activities of BCOJ Analysis Committee from 2014 to 2015 were presented by the chairperson of the BCOJ Analysis Committee at the BCOJ annual meeting in November 2015.

### **5. BCOJ Analysis Committee Middle Term Plan**

BCOJ Analysis Committee is working under the Middle Term Plan from 2014 to 2018. We are currently reviewing *The Methods of Analysis of BCOJ* and *Sensory Evaluation Methods of BCOJ*.

(Completed by Masahito Muro)



## 2015 Annual Report of BCOJ Program Committee

January, 2016

Chairperson: Masanori Shirai

Vice-chairperson: Hironori Inadome

The following individuals were the members of the 2015 Program Committee.

Chairperson:	Masanori Shirai	(SAPPORO BREWERIES LTD.)
Vice-chairperson:	Hironori Inadome	(Kirin Company, Limited)
Member:	Taku Kato	(ASAHI BREWERIES, LTD.)
	Taichi Maruhashi	(SUNTORY BEER LIMITED)
Brewers Association of Japan:	Koichi Hirai	(BAJ, official member) until Sep.2015
	Atsushi Fujita	
	Katsuhiko Noguchi	(BAJ, official member) from Oct.2015

The Program Committee held five meetings in 2015 for planning and implementation of the 25<sup>th</sup> Annual Meeting of the BCOJ (BCOJ 2015). The Program Committee and Prof. Touhara of the University of Tokyo began their cooperative research on beer flavor in June 2008.

BCOJ 2015 was held on November 5<sup>th</sup> and 6<sup>th</sup>. There were 20 oral and poster presentations. Prof. Dr. Keitaro Kato (Kinki University) presented an invited lecture entitled “Closed cycle culture of marine finfish for aquaculture industry.”

To publicize BCOJ 2015, information was provided on the Jozo-kyokai-shi and BCOJ home pages.

### 1. Program Committee Meetings

#### (1) Session 1 (Feb.20<sup>th</sup>, at Sapporo, Hokkaido Brewery)

The outline of BCOJ 2015 was determined.

#### (2) Session 2 (Mar.30<sup>th</sup>, at Asahi, Shikoku Brewery)

Draft of the BCOJ 2015 program, including the time schedule for presentations and allocation of posters was determined.

#### (3) Session 3 (Aug.21<sup>st</sup>, at Suntory, Tominooka Winery)

The detailed program of BCOJ 2015 was decided and the necessary works for its preparation, such as the issue of abstracts, were confirmed.

#### (4) Session 4 (Oct.13<sup>th</sup>, at Seiryō Kaikan)

Final confirmation of the BCOJ 2015 was arranged on-site.

#### (5) Session 5 (Nov.20<sup>th</sup>, at Kirin, Sendai Plant)

The result of the questionnaire on BCOJ 2015 was discussed for next year.

### 2. Cooperative research

#### (1) On Feb.16th at Tokyo University

The research plan was discussed.

#### (2) On May 14th at Tokyo University

The research plan was discussed.

- (3) On May 27th at Tokyo University  
The contract was confirmed.
- (4) On Sept. 30th at Tokyo University  
The research plan was discussed.

*Completed by Masanori Shirai*