



SEA-ABT Newsletter #1

March 2018

SEA-ABT – increasing the capacities of Thai universities in delivering training and continuous exchange of best practice between the Thai and European partners.

SEA-ABT – an Erasmus+ Capacity Building in Higher Education (CBHE) project - will increase the capacities of Thai universities for delivering modern high quality curricula and Life Long Learning (LLL) in the area of beverage technology. The development of demand-driven courses, modules and related educational products will be using innovative pedagogical approaches and teaching tools for use in higher education (HE) and continuous professional education (CPD) training and continuous exchange of best practice between the Thai and European partners.

We are also proud to announce that **SEA-ABT** together with [ASIFOOD](#), the [ISEKI Food Association](#) and [AIT](#) is organising the **1st International Conference on Innovations in Food Ingredients and Food Safety - IFIFS** - from 12-13 September 2018 in Bangkok, Thailand.

The SEA-ABT team wishes you a fruitful reading!

News

Project overview

SEA-ABT is an Erasmus+ Capacity Building in Higher Education (CBHE) project which started in October 2015. The main objective of SEA-ABT is to increase the capacities of the Thai universities for delivering modern high quality curricula and Life Long Learning (LLL) in the area of beverage technology.



Through the development of demand-driven courses, modules and related educational products, the partners will be using innovative pedagogical approaches and teaching tools for use in higher education (HE) and continuous professional education (CPD).

For the sustainable collaboration in HE and CPD, the partners are establishing an independent joint *Academy for Beverage Technology*- with hubs in Thailand and in the EU - to manage training and continuous exchange of best practice between the Thai and European partners. For a full description of the partners and associated contact persons, please go to <https://www.sea-abt.eu/project/consortium>.

This first newsletter will provide an overview of the main achievements to date:

Tentative Curriculum of Graduate Diploma in Beverage Technology

In a comprehensive survey among Thai universities, it was found that Beverage Technology as a full curriculum at the Higher Education (HE) level does not exist in Thailand, i.e. BSc., MSc or one year certificate. Most of the Thai universities have Beverage Technology as a course/module or as part of a course/module. None of them have Continuous Professional Development (CPD) in Beverage Technology. Therefore, there is a need for providing Beverage Technology as a full HE



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study programme/curriculum and for CPD training.

Based on these findings, the consortium proposed the development of a Graduate Diploma in Beverage Technology & Management at Kasetsart University, Bangkok, Thailand.¹

Curriculum structure:

Seminar	2 credits
Requires courses	23 credits
Total not less than	25 credits

Language: Thai and English



Programme overview:

1 st semester modules	Credits
Non-alcoholic beverage technology	2 (2-0-4)
Target marketing & strategic pricing for the beverage industry	2 (2-0-4)
Supply chain management for the beverage industry	2 (2-0-4)
Beverage chemistry and microbiology	2 (2-0-4)
Food law and regulation	1 (1-0-2)
Practical LAB in beverage Industry	1 (0-1-2)
Seminar	1 (1-0-0)
Total	11

Credits

2nd semester modules

Alcoholic beverage technology	2 (2-0-4)
Planning and project management for the beverage industry	2 (2-0-4)
Product and process development	2 (2-0-4)
Hygienic engineering and design	2 (2-0-4)
QC and QA	2 (3-0-4)
Special problem	3 (0-1-6)
Seminar	1 (1-0-0)
Total	14

For a summary of the main findings from the surveys carried out in the beginning of the project, please go to the Information Collection System on <https://www.sea-abt.eu/tools>

Tentative Training Modules for Continuing Professional Development (CPD)

Directly following from the survey results, as outlined above, there is a clear need for delivering modern high quality Life Long Learning (LLL) in the area of beverage technology and for developing demand-driven courses, modules and related educational products and teaching tools for use in continuous professional education (CPD) on the following topics:

- Shelf-life of beverages
- Sugars in foods
- Hygienic design
- Lean business plan development
- Selected topics of food safety for less educated professionals
- Food law and regulations for beverage
- New product development (NPD)
- Innovative technology
- Project management
- Fruits and vegetables drink
- Food safety management for SMEs

¹ In the process for approval by the Thailand Higher Education System



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CPD courses in the form of workshops, webinars and e-learning courses are announced on <https://www.sea-abt.eu/events/upcoming>

SEA-ABT Joint Academy



For the sustainable collaboration in HE and CPD, an independent **SEA-ABT Joint Academy for Beverage Technology** - with hubs in Thailand and in the EU – is being established to manage training and continuous exchange of best practice between the Thai and European partners. Partners from companies as well as the educational sector are invited to join the network, support the activities and directly benefit from the developments. For more information about membership and how to sign up, please go to <https://www.sea-abt.eu/about>

Beverage – 4-U

Under the theme *Innovation in Beverage Technology: “Healthy Beverage from Waste Utilisation of Food”*, SEA-ABT has opened a call for an international students competition with

teams of 3 students to compete on finding the best solutions for product or ingredient development on creating “Healthy beverage from waste utilization of food” on one specific product – and/or ingredient.

The competition is currently running and can be followed at <https://www.sea-abt.eu/beverage-4-us>

Upcoming events

On <https://www.sea-abt.eu/events>, you can see a full list of past and upcoming events which is regularly updated.

You can also follow us on our [SEA-ABT Facebook page](#) and on our [SEA-ABT YouTube channel](#).

IFIFS 2018 – 12-13 September 2018

SEA-ABT together with [ASIFOOD](#), the [ISEKI Food Association](#) and [AIT](#) is organising *the 1st International Conference on Innovations in Food Ingredients and Food Safety (IFIFS)* from 12-13 September 2018 in Bangkok, Thailand.

The aim of this international conference is to focus on timely and trending topics that will address the opportunities and challenges in the emerging innovative technology for sustainable and safer production of food and beverage. Therefore, this International Conference aims to bring researchers, industries and policy developers at the same platform to discuss on challenges, trends and innovative approaches for safer and sustainable food and beverage produce. For more information, please go to <https://ififs2018.meetinghand.com/en/>



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SEA-ABT Consortium



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