

Larvi 2024

September 9 – 12, 2024

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HIS MAJESTY KING PHILIPPE OF BELGIUM

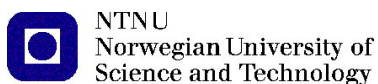
8th fish and shellfish larviculture symposium

second and final announcement

organizers



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scope

Closing the life cycle of aquaculture species of economic importance is critical for the ultimate success of aquaculture. Predictable & cost-effective availability of high-quality fry, fingerlings, postlarvae, seed, spores, etc. remain the key for a successful aquaculture venture. Knowledge generated at many different levels can further increase the success of the sector. Much progress is being made in knowledge-based insights on e.g. the genetic make-up of the broodstock, steering the ontogeny, the importance of first feeding, steering host microbial interactions and its immunological consequences, automation, etc. Research in these fields are increasingly supported and stimulated by a variety of novel and sophisticated techniques such as omics' and artificial intelligence tools. They generate an unprecedented and often fascinating insight into biological processes. Although they generally also raise new research questions, they stand for a major leap forwards as compared to the empirical approach of a relatively recent past.

Capitalising on the previous "larvi" symposia (in '91, '95, '01, '05, '09, '13, '17), the Aquaculture R&D Consortium of Ghent University, the Norwegian University of Science and Technology and SINTEF Ocean have joined again in the organizing committee for "larvi'24" and are inviting the academic as well as the private sector to attend the 8th Fish and Shellfish Larviculture Symposium. Bringing together European and non-European stakeholders, once again the latest progress in academic research and in the production sector will be reviewed, problems identified and avenues for future collaboration explored.

scientific committee

- Annelies Declercq, Dominique Adriaens, Tom Defoirdt, Hans Nauwynck, Patrick Sorgeloos, Wim Van Den Broeck, and Vincent Vermeylen,
UGent Aquaculture R&D Consortium, Ghent, Belgium
- Kjell Inge Reitan, Ingrid Bakke, Yngvar Olsen, and Olav Vadstein
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- Gunvor Øie and Maria Bergvik
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- George Koumoundouros
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- Constantinos Mylonas
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- Luis Conceição
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- Erick Ogello
Maseno University, Kenya
- Ronaldo Cavalli
Federal University of Rio Grande, Rio Grande, Brazil
- Ana Farias Molina
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- Gonzalo Gajardo
Universidad de Los Lagos, Osorno, Chile

- Ian Butts
Auburn University, Auburn, Alabama, USA
- Atsushi Hagiwara
Nagasaki University, Nagasaki, Japan
- Vu Ngoc Ut
Can Tho University, Can Tho, Vietnam
- Rui Alexandre
Marine Aquaculture Centre, Singapore
- Yeong Yik Sung
Universiti Malaysia Terengganu, Terengganu, Malaysia.
- Liyang Sui
Tianjin University of Science & Technology, Tianjin, China
- Meezanur Rahman
WorldFish, Bangladesh
- Julie Ekasari
IPB University, Bogor, Indonesia

scientific programme

Over 190 contributions from 23 different countries were submitted for an oral or poster presentation at larvi 2024. The Scientific Committee has performed a selection and finalised a program of 44 oral presentations (limited to pertinent reviews and/or discussions of multiple experiments with one or preferably several species). During the Opening Session 2 keynote presentations will be presented, one from the academic sector, one from the industry. Each of the 5 conference sessions will start with a keynote presentation. Authors of a limited number of posters will be offered the opportunity to shortly present their work orally during poster sessions.

The following participants have already been selected by the scientific committee to present an oral contribution at larvi 2024: Bandara Kasun A. (Sri Lanka), Barreto André (Portugal), Baruah Kartik (India), Calloni Stefano (Belgium), Ce Shi (China), De Swaef Evelien (Belgium), Defoirdt Tom (Belgium), Dherf Philippe (Belgium), Dominguez David (Spain), F. Ribeiro Flavio (New Zealand), Giebichenstein Jan (Norway), Haniswita Haniswita (Indonesia), Hawkyard Matt (USA), Hernández-Zúñiga Eric (Chile), Ikhsan Natrah (Malaysia), Izquierdo Marisol (Spain), Kjørsvik Elin (Norway), Kvæstad Bjarne (Norway), Li Keshuai (Norway), Lund Ivar (Denmark), Makridis Pavlos (Greece), Monroig Óscar (Spain), Muller Marc (Belgium), Musialak Luciana Alves (Norway), Mylonas Constantinos (Greece), Navarro-Guillén Carmen (Spain), Ngoc Minh Ngan Bui (Vietnam), Norouzitallab Parisa (Iran), Oz Itay (Israel), Palińska-Żarska Katarzyna (Poland), Politis Sebastian (Denmark), Pope Matthew (United Kingdom), Qi Zizhong (China), Quek Wei Li (Singapore), Ramirez Ivan (Ecuador), Sasmita Julyantoro Pande Gde (Indonesia), Sujan Khadka (Norway), Teske Jessica (Belgium), Tsipourlianos Andreas (Greece), Tzakris Konstatinos (Norway), Volpe Charlotte (Norway), Vu Ngoc Ut (Vietnam), Witten P. Eckhard (Belgium), Xu Qunying (Singapore).

In order to ensure that the posters will make up an integral part of the conference, sufficient time will be allocated to viewing and discussing the posters. The posters can be displayed as of Monday morning and first viewing will be possible on Tuesday morning; 40 min coffee breaks in the morning and in the afternoon guarantee enough time is available to study the posters, and arrangements will be made that lunches can be taken nearby the poster area.

During the closing session an award will be given to the author of the best poster, selected on its scientific value and layout qualities.

programme

Monday September 9

Registration of participants at the Conference Center and setting up of posters from 9.30am onwards.

Official Opening Session at 5.30pm with keynote presentations:

“More arguments for microbial management in aquaculture hatcheries”
by Kari Attramadal, on behalf of the Norwegian University of Science and Technology (NTNU)

“Status of marine fish and shellfish hatcheries around the world”
by Patrick Waty, Head of Benchmark Advanced Nutrition, CEO INVE Aquaculture

Afterwards you are all invited to the welcome reception.

Tuesday September 10

SESSION I. BROODSTOCK MANAGEMENT, MATURATION AND SPAWNING

zootechniques, nutrition, egg and larval quality, domestication, sperm quality, genetics, germplasm preservation, genomics and proteomics, transgenics and GMOs, ...

SESSION II. DEVELOPMENTAL BIOLOGY AND DEFORMITIES

ontogeny, developmental biology, behavior, ...

SESSION III. LARVICULTURE AT COMMERCIAL SCALE

culture systems, environmental requirements, socio-economic aspects, ...

Wednesday September 11

SESSION III LARVICULTURE AT COMMERCIAL SCALE

culture systems, environmental requirements, socio-economic aspects, ...

SESSION IV. LARVAL NUTRITION

nutritional requirements, feeding schemes, live food and its substitutes, ...

Thursday September 12

SESSION V. MICROBIAL MANAGEMENT FOR HEALTH

prebiotics, probiotics, diseases and pathogens, viral and bacterial challenge tests, vaccination, phage therapy, ...

Session summaries & concluding remarks

Symposium Banquet

publications

All symposium participants will receive a digital version of larvi 2024 comprising the abstracts of the oral presentations and the mini-papers of the poster presentations which will be reviewed/selected by the scientific committee.

Authors of oral presentations are encouraged to submit their paper to “Aquaculture International”. These papers will be peer-reviewed by the journal and posted online as soon as the paper is accepted. All Larvi papers will finally get published together as a special issue of “Aquaculture International”

sponsoring

Iarvi 2024 is organised under the patronage of His Majesty King Philippe of Belgium.

The following institutes & organisations are supporting the organisation of the symposium:

- Ghent University (Belgium)
- Norwegian University of Science and Technology, Trondheim (Norway)
- SINTEF Ocean (Norway)

Fund raising from Institutes and the private sector is still on-going. The list of all sponsors will be published in the program brochure. The following Companies and Institutes already engaged them to support the symposium.

Platinum sponsor

INVE Aquaculture

Gold sponsor(s)

Skretting, BioMar, ADM (BernAqua)

Silver sponsor(s)

Sparos, Imaqua, Nutrakol, Trislot, Ocean Nutrition, Great Salt Lake Artemia

Bronze sponsor(s)

Inalve, C-Feed, Planktonic

Institutional sponsor(s)

Swedish University of Agricultural Sciences SLU

registration

The conference facilities cannot accommodate more than 400 participants. People interested in attending Iarvi 2024 are therefore requested to fill in the online registration form on [Iarvi 2024 website](#) as soon as possible.

Only registrations accompanied by a full pre-payment will be handled on a first come first served basis. On-site registrations will not be accepted. Registration fees in euro:

	prior to May 31, 2024	prior to August 1, 2024	later
Private company	445.00	550.00	800.00
Academic	295.00	370.00	800.00
Student	210.00	320.00	800.00
Accompanying person	180.00	220.00	300.00

(opening reception banquet and guided tour)

The registration fee includes admission to all symposium sessions, reception, coffee breaks and receipt of a symposium satchel, programme brochure and a digital version of the book of short communications

banquet

Our institution recently obliged us to process registrations and meals separately. For this reason we also have to process the Iarvi banquet as a separate cost. The banquet will take place on Thursday evening (September 12) in the Venetian galleries of Ostend. The price for the banquet is €98.00. If you would like to participate in the banquet, you must check this as a separate item on the registration form

payment

Payment of the registration fees should be in euro. Payment can be done online with credit cards, using a secure site, or with a bank transfer. Check the [Iarvi 2024 website](#) section 'registration' for calculation of the appropriate registration & reservation costs. Payment details for the bank transfer and credit card payment procedure are also explained on the website.

Please note that all banking expenses are to be charged to the participant.

accommodation

Participants are requested to book hotel accommodation directly with the hotel of their choice. A selection of hotels can be found at [visitoostende.be/en/accommodation](https://www.visitoostende.be/en/accommodation). Because Ostend is a touristic city, rooms should be booked well in advance.

meals

Several restaurants and snack bars can be found in the vicinity of the symposium venue. However for those who prefer to take lunch at the venue itself the organisation offers a formula for the days, also for vegetarians. The three lunches at noon will cost 65 euro. For that price they offer you a sandwich buffet with soup and soft drink on site (Tuesday, Wednesday and Thursday). These onsite lunches need to be ordered beforehand (see online registration form).

date and place

The symposium will start on September 9, 2024 with registration for the larvi conference and the IAAC conference. All sessions will be held at the 'De Grote Post' in the city center of Ostend. More information about Ostend can be retrieved from <https://www.visitoostende.be/en>. The official opening session and reception will take place in the evening of September 9. The scientific sessions will be held from September 10 through September 12.

Ostend is a cosmopolitan city by the sea and is known as the 'Queen of seaside cities'. The wide sandy beaches, the attractive boulevards and the beautiful casino form the face of the seaside resort. Ostend is the most important coastal city in Belgium with a large fishing port and marina harbor, but Ostend is also a shopping city where you can go all year round. Happy to welcome you all there!

travel arrangements

For European participants, it is interesting to know that several low-cost carriers fly into Brussels National, Brussels South (Charleroi) and Ostend.

To plan your train journey ahead of your arrival at Brussels airport you can check the timetables and connections at <http://www.belgianrail.be/en>.

There are direct and indirect trains from the airport to the railway station Ostend, the cost of a ticket should be around 30 euro.

Should you land at Brussels South airport in the city of Charleroi/Gosselies you can also [plan your journey ahead](#). This bus service will take you to the railway station Brussels Midi where you can continue your journey by train to Ostend.

Do you wish to make use of a limo service to and from Ghent? We can recommend Airway Services. Prices will depend if travelling in group or alone, for enquiries and reservations contact info@airway.be.

Note that regular taxis are very expensive in Belgium: to go from Brussels airport to Ostend will cost you well over 250 euros.

IAAC conference

The first conference of the "International Artemia Aquaculture Consortium" IAAC will be organized on September 9, 2024 at the same premises as the larvi conference.

In the morning session (open also to all larvi participants) the following IAAC members will give presentations: Yeong Yik Sung (Malaysia), Sorgeloos Patrick (Belgium), Wilkinson Simon (Thailand), Sui Liying (China), De Vos Stephanie (Belgium), Marden Brad (USA), Brown Phil (USA), Ramena Yathish (USA) and Johanson David (Belgium).

In the afternoon topical workshops will be organized for IAAC members.

Participation is for free, but may we ask to indicate your interest to attend the IAAC Conference on the larvi registration form.

More information on the IAAC can be found at the website <https://artemia.info/>

Conference website

www.aquaculture.UGent.be/larvi



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