



# Press Release

**For Immediate Release**

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## **SYLFEED Consortium Achieves New Milestone as Atlantic Salmon Trial Successfully Demonstrates Efficacy of Novel Alternative Protein for Aquafeed**

*Arbiom continues to validate nutritional, sustainable potential of SylPro® wood-to-food ingredient*

**Paris – October 8, 2019** – [Arbiom](#), an agricultural-biotechnology company developing solutions to convert wood into food, today announced the success of a recently completed scientific study evaluating SylPro®, its high-quality alternative protein ingredient, for juvenile Atlantic salmon feed. The study, conducted by Matis Icelandic Food & Biotech R&D as part of the [SYLFEED project](#), was designed to demonstrate the nutritional performance of Arbiom's protein product (SylPro®) in comparison with conventional plant and animal protein sources.

"These findings indicate that SylPro can be used to replace fish meal or plant-based proteins in feed for juvenile Atlantic salmon, a crucial developmental stage, and deliver equivalent nutritional performance as conventional protein sources up to 20 percent inclusion level," said Alexandra Leeper, PhD candidate from Matis.

In the study, Atlantic salmon feeds were formulated with Arbiom's high-protein ingredient as a complement to or replacement for fishmeal and plant-based proteins at various inclusion rates. The study was designed to evaluate the product's nutritional performance in terms of body weight gain as well as its effects on the gut microbiome, which researchers measured over the course of a five-week trial period.

"SylPro represents a scientifically-backed new protein source for aquaculture feed producers and farmers, which fully competes with current commercial protein sources," said Dr. Jon Arnason, Senior Animal Nutritionist from Matis.

The study results showed no statistical difference in body weight gain for SylPro compared to the control diet up to the 20 percent inclusion level. Additionally, there were no differences in fish mortality across treatments.

These results support the results from previous trials [evaluating SylPro for use in hybrid striped bass](#).

"This represents another critical milestone in Arbiom's path to commercializing the SylPro product as we continue to validate its efficacy across multiple animal feed applications," said Marc Chevrel, CEO of Arbiom.

SylPro is produced from wood through Arbiom's process, which integrates fractionation and bioconversion technologies to efficiently convert wood residues into fermentable substrates for micro-organism production through pre-treatment and fermentation processes. The final product is a dried yeast, which is nutritional protein source for use in aquafeed, and other animal feeds.

More results from this trial and achievements made by the SYLFEED Consortium in supporting sustainable future protein production will be presented at the upcoming Aquaculture Europe underway in Berlin, Germany, October 8-10 2019, with a poster by Matis and a presentation at the Innovation Forum by Arbiom.

Arbiom was also selected as one of three finalists in the Innovation Awards at the 2019 Global Aquaculture Alliance Leadership GOAL event and will present its innovative solution to sustainable protein for aquaculture at the event in Chennai, India, October 22-24, 2019.

## About Arbiom

Arbiom is committed to meeting the sharp increase in global food and resource requirements with technology that transforms the most sustainable and readily available carbon source in the world – wood – into intermediate materials for a range of applications in the feed, food, and chemicals industries. Arbiom's technology platform integrates the company's proprietary biomass processing and fermentation expertise to convert wood into a nutritional, sustainable protein source. Arbiom is partnering with biomass stakeholders and leading firms in aquaculture, biotechnology and bio-based industries to continue developing and scaling up its technology. Headquartered in Durham, North Carolina, Arbiom has offices in Paris, France, and Norton, Virginia, where it operates a pilot plant. To learn more about Arbiom, visit [www.arbiom.com](http://www.arbiom.com)

## About SYLFEED

SYLFEED is an international and multidisciplinary 4-year project aiming at scaling-up Arbiom's Wood to Food Technology to convert wood residues into a protein-rich ingredient comprised of SCP (Single Cell Protein) and test it in aquaculture applications. SYLFEED gathers 10 partners all along the value chain from wood sourcing to fish feed manufacturing & testing to address the European protein gap. SYLFEED demonstrates Arbiom's technology at larger scale and prepares for industrial scale-up. More information on <http://www.sylfeed.eu>

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