

**2022 COMPENDIUM OF PUBLICATIONS AND CONFERENCE PRESENTATIONS
ADISSEO AQUA**

INFORMATIVE DIGESTION

1. Nuez-Ortín, W. G., Dehasque, M. **Shrimp petide concéntrate boosts palatability and growth performance in fish and shrimp** (Aquafeed, vol 14, issue 1)
2. Guerin. M., Dhanunjaya, G., Nuez-Ortín. W. G. **Lyso-phospholipid supplementation leads to Better Performance and Lower Formulation** (Fishing Chimes, vol 40, No 1)
3. Guerin. M., Dehasque. M., Nuez-Ortín. W. G. **Lysophospholipids: natural enhancers of nutrient digestion and absorption for fish and shrimp** (Fishing Chimes, Vol 39, No. 3., 2022)
4. Lin, Y. Nuez-Ortín, W. G. **Lysophospholipid-based digestive enhancer to boost growth performance and digestion mechanisms of shrimp under different dietary cholesterol levels** (AQUA Culture Asia Pacific, May/Jun 2022)
5. Lin, Y. Nuez-Ortín, W. G, Hernández-González, G. **Incremento en el desempeño del crecimiento y mecanismos de digestión del camarón a través de un potenciador de la digestión con base en lisofosfolípidos bajo diferentes niveles de colesterol en la dieta** (AQUACULTURA MAGAZINE, Ecuador)
6. Guerin. M., Dehasque. M., Nuez-Ortín. W. G., Ushizima, T. **A gestão em tempos de “crise nutricional”** (Panorma da Aqüicultura, Edição 188).
7. Guerin. M., Dehasque. M., Nuez-Ortín. W. G. **Nutritional Crisis Management — Making Aquafeeds Perform With Less Fat & Energy** (LIVESTOCK & FEED Business and eFeedLink)
8. Lin. Y., Nuez-Ortín. W. G., Mamora. M., **Pemanfaatan Bahan Berbasis Lisofosfolipid dalam Meningkatkan Kinerja Pertumbuhan dan Mekanisme Pencernaan Udang Dengan Level Kolesterol Pakan Yang Berbeda** (TROBOS INDONESIA)

INFORMATIVE HEALTH

1. Mantovani, L., Padua Pereira, U., Hernández-González, G., Isern-Subich, M.M., Nuez-Ortín, W. G. **Reducción del impacto en la mortalidad de tilapias ocasionada por franciselosis y estreptococosis mediante el uso de un aditivo funcional** (Industria Acuicola, Jan)
2. Koppula. W., Isern-Subich. M., Garcia-Gomez. R., **Protecting shrimp farming from biosecurity risks.** (Aquaculture Spectrum)
3. Garcia-Gomez, R. Isern-Subich, M.M., Nuez-Ortín, W. G. **Aquafeed additive from Adisseo can reduce the impact of bacterial diseases. Bacti-nil® Aqua effectively prevents diseases and promotes growth in trials with Pacific white-leg shrimp and Nile tilapia,** (Responsible Seafood Advocate, Jun)
4. Huynh. V. L., Garcia-Gomez. R., **A new ally in the fight against pathogens in aquaculture,** (Vietfish Magazine)

5. Huynh. V. L., Garcia-Gomez. R., **Shrimp Biosecurity Protocols: the role of disinfectants**, (Thuy San Magazine)
6. Kalatzis, P.G., Isern-Subich, M. M., Nuez-Ortín. W. G. **Functional feed additive for gut integrity and protection against the intestinal myxosporean endoparasite *Enteromyxum leei*** (Aquafeed)
7. Kalatzis, P.G., Isern-Subich, M. M., Nuez-Ortín. W. G. **Functional feed additive APEX® BRANCHIA may enhance fish productivity and survival, repelling ectoparasites and boosting the antimicrobial properties of the mucus** (Global Seafood Alliance)
8. Guerin. M., **Functional health additives in fish and shrimp farming: a useful ally to improve feed performance, resilience against bacterial diseases and reduce risks of antibiotic resistance**, (Bangladesh Poultry & Fish)
9. Gonzales-Prendes, R., Dos Anjos de Souza, C., Nuez-Ortín. W. G. **Proteomics to gain insight into the mechanisms of action of a health-promoting additive** (Aquafeed, vol 14, issue 4)

PEER-REVIEW ARTICLES

1. M.C. Piazzon, F. Naya-Catal, G.V. Pereira, I. Estensoro, R. Del Pozo, J.A. Calduch-Giner, W.G. Nuez-Ortín, O. Palenzuela, A. Sitj`a-Bobadilla, J. Dias, L.E.C. Conceiçao , J. Pérez- Sánchez. **A novel fish meal-free diet formulation supports proper growth and does not impair intestinal parasite susceptibility in gilthead sea bream (*Sparus aurata*) with a reshape of gut microbiota and tissue-specific gene expression patterns** (Aquaculture, 558, 2022)
2. Martínez-Antequera, F. P., Barranco-Ávila, I., Martos-Sitcha, J. A., Moyano, F. J. **Solid-State Hydrolysis (SSH) Improves the Nutritional Value of Plant Ingredients in the Diet of Mugil Cephalus** (Fishes 2022, 7, 4)
3. Abdel-Tawwab, M., Selema, T. A. M., Abotaleb, M. M., Khalil, R. H., Sabry, N. M., Soliman, A. M., Elsessouki, E. A. A. **Effects of a commercial feed additive (Sanacore®GM) on immune-antioxidant profile and resistance of gilthead seabream (*Sparus aurata*) against *Vibrio alginolyticus* infection** (Annals of Animal Science, DOI: 10.2478/aoas-2022-0053)

CONFERENCE PRESENTATIONS

1. Dehasque. M., **ADISSEO, global leader in lyso-phospholipid based solutions for aquaculture**. (Adisseo workshop, Vijajawada, February 2)
2. Nuez-Ortín, W. G. **Aditivos funcionales, clave para el desarrollo de la acuicultura sostenible** (XVI SINA Conference, Mexico, Mar 29 - Apr 1)
3. Guerin. M., Kok. B., Nuez-Ortín. W. G., **Phytobiotic health additive improves shrimp farm operation harvest results and sustainability**, (The International Conference on Sustainable Aquaculture: Health and Disease Management (Aqua-Thailand), Thailand, March 17 – 18)

4. Guerin. M., Nuez-Ortín. W. G., **Feed Additives help protect fish gut health and function**, (Aquafeed.com webinar: Improving Gut Health through Aquafeeds, AQUAFEED.COM, March 29)
5. Nuez-Ortín, W. N. **Ox-pro: Antistress support during critical periods of production** (Adisseo Aqua event, Bodrum, May 13)
6. Dehasque. M., **Digestive/metabolic enhancers based on bile salts and lysophospholipids**. (Adisseo Aqua event, Bodrum, May 13)
7. Ushizima. T.U. **Additives in feed to improve health in tilapia** (I Workshop Ouro Verde D'Oeste, Brazil, May 18)
8. Ushizima. T.U., **Additives in feed to improve health in tilapia** (I Workshop Maripá, Brazil, May 19)
9. Nuez-Ortín, W. G. **Efficacy of a functional feed additive to optimize intestinal absorption and utilization of nutrients in fish** (AFAF The 13th Asian Fisheries and Aquaculture Forum, May 31- June 02)
10. Garcia-Gomez, R. **How to face Aquaculture health management in challenging times?**. (Adisseo Special Session at AFAF The 13th Asian Fisheries and Aquaculture Forum, May 31- June 02)
11. Inês Guerreiro, Catarina Basto-Silva, Rui Magalhães, Nicole Martins, Helena Peres, Waldo G. Nuez-Ortín, Tahir Mahmood, Aires Oliva-Teles. **Reevaluation of the dietary methionine requirements for gilthead seabream (*Sparus aurata*) juveniles using hydroxy methionine and DL-methionine** (International Symposium on Fish Nutrition and Feeding, Italy, Jun 5-9th)
12. Robles, R., Bermúdez, L., Nuez-Ortín, W. G., Fuentes, J. **Lysophospholipids improve active nutrient transport in the gut epithelium of gilthead seabream** (International Symposium on Fish Nutrition and Feeding, Italy, Jun 5-9th)
13. Guerin. M. **Adisseo nutritional solutions: key to cope with inflation challenges**. (Adisseo Special Session at AFAF The 13th Asian Fisheries and Aquaculture Forum, May 31- June 02)
14. Mamora. M., **The attractans - AQUABITE® S and PEPSEA® Trial Result**, (AFAF The 13th Asian Fisheries and Aquaculture Forum, May 31- June 02)
15. Nuez-Ortín, W. G. **Progress in the application of lysophospholipids in aquafeed**. (Adisseo online seminar, Jul 6)
16. Ushizima. T.U. **Additives in fish health** (I Symposium West Paraná, Brazil, July 22)
17. Nuez-Ortín, W.G. **Lipid replacement and cost-saving strategies in fish and shrimp** (Adisseo Aqua Workshop : Vietnam, Ho Chi Min City, July 29)
18. Mamora. M., **Farm application strategies towards EHP control/reduction in shrimp farming**, (Adisseo Aqua Workshop : Vietnam, Ho Chi Min City, July 29)
19. Dehasque. M., **ADISSEO, global leader in lyso-phospholipid based solutions for aquaculture**. (Adisseo workshop, Dhaka, July 30)

20. Guerin. M., **Feed cost saving models in fish & shrimp feeds** (Adisseo Aqua Seminar, Dhaka, July 30)
21. Guerin. M., **Feed cost saving models in fish & shrimp feeds** (Adisseo Aqua Seminar, Vijayawada, August 2)
22. Nuez-Ortín, W. G. **Functional nutrition and its role in promoting sustainable aquaculture** (9th International Conference on Fisheries and Aquaculture, Indonesia, Aug 25-26)
23. Garcia-Gomez. R., **Phytobiotic-based additive for consistently improved gut integrity and health across species**, (DAA 11th session. Virtual event, August 24)
24. Mamora. M., **Sustains in Various Shrimp Disease Challenge**, (Shrimp Club Indonesia, August 25)
25. Garcia-Gomez. R., **Functional additives to reduce impact of co-infections in shrimp**, (Aquafeed conference (VICTAM). Bangkok, Thailand, September 7)
26. Ushizima. T.U. **How to improve shrimp health and nutrition using additives** (I Workshop Canavieiras, Brazil, Sept 29)
27. Arapi, E. A., Fernández-Alacid, L., Nuez-Ortín, W. G., Ibarz, A. **Health promoting feed additive improves skin and gill proteome response of infected fish** (Mucosal Health Conference, Spain, Oct 3-6)
28. Fernández-Alacid, L., Sanahuja, I., Nuez-Ortín, W. G., Ibarz, A. **Skin mucus associated biomarkers (SMABs) and antibacterial activity to study functional diets in fish in a quick and minimally-invasive way** (Mucosal Health Conference, Spain, Oct 3-6) (*poster presentation*)
29. Ibarz, A., Sanahuja, I., Nuez-Ortín, W. G., Fernández-Alacid, L. **Benefits of dietary lysophospholipids on intestinal function: deep analysis of the proteinteractome** (Mucosal Health Conference, Spain, Oct 3-6) (*poster presentation*)
30. Garcia-Gomez. R., **What are the cost implications of using functional health additives for farmers and what will the incentives be for feed millers to change?** (TARS. Ho Chi Minh, Vietnam, October 7)
31. Kalatzis, P.G., Isern-Subich, M. M., Nuez-Ortín. W. G. **Functional feed additives to reduce the impact from diseases and parasites in aquaculture** (Aquafeed Platform Europe 21st Aquafeed Technical short course, Belgium, Oct 17-18)
32. Van Halteren, A., Dehasque, M., Nuez-Ortín. W. G. **Reducing Feed Cost in Aquaculture Through Digestive and Metabolic Enhancement** (Aquafeed Platform Europe 21st Aquafeed Technical short course, Belgium, Oct 17-18)
33. Dehasque. M., **Nutritional strategies to improve feed cost and sustainability of shrimp farming**. (Aqua Expo, Guayaquil, October 17-20)
34. Mamora. M., **Shrimp Disease Management: How to deal with diseases in shrimp production**, (Indonesia Shrimp Farming Webinar, November 5)

35. Nuez-Ortín, W. G. **Lyosphospholipids to reduce cost of aquafeeds in a sustainable way.** (The 7th Symposium on Aquatic Animal Lipid Nutrition and Metabolism, Cina, November 5)
36. Nuez-Ortín, W. G. **Nutritional strategies to reduce feed cost of shrimp and fish feed** (XVIII FENACAM, Brasil, Nov 15-18)
37. Robles-Arozarena, R, Bermúdez Villaescusa, L., Fuentes, J., Torres-Rodrigues, M., Martos Sitcha, J. A., Nuez-Ortín, W. G. **Inlcusión de fosfolípidos de origen marino y terrestre en dietas de engorde para doradas (*Sparis aurata*) cultivadas a baja temperature** (XVIII Congreso Nacional de Acuicultura, Nov 22-24)
38. Guerin. M., Nuez-Ortín. W. G., Mamora. M., Jusadi. D., **Supplementation of Lyso-Phospholipid-based Feed Additives maintains growth performance of Pangasius Fish (*Pangasianodon hypophthalmus*) under dietary oil reduction strategy,** (WAS Singapore, Nov 30-Dec 2)
39. Mamora. M., **The importance of preventive strategies in managing disease risk to optimize and sustain aquaculture yield in commercial farm settings** (WAS Singapore, Nov 30-Dec 2)
40. Chen, I., Nuez-Ortín, W.G. **Multi-tissue proteomics analyses reveals the immune regulatory effects of Sanacore GM in marine fish** (WAS Singapore, Nov 30-Dec 2)
41. Truong Dinh Hoai, Tran The Vinh, Hoang Van Dung, Dang Thi Hoa, Mai Van Tung, Nguyen Thi Huong Giang, Doan Thi Ninh, Ruth Garcia Gomez. **Effect of a functional additive on reducing the impact of ectoparasites and improving growth performance in grouper (*Ephinephelus fuscoguttatus*)** (WAS Singapore, Nov 30-Dec 2)