

CONTRIBUTIONS TO PROFESSIONAL MAGAZINES AND SCIENTIFIC CONFERENCES

2021

Lin. Y-H., Dehasque. M., Nuez-Ortín. W. G. **Lyso-phospholipid supplementation to replace lecithin and improve growth performance in Pacific white shrimp** (Aquaculture Asia Pacific)

Mamora. M., Guerin. M., Nuez-Ortín. W. G. **Lyso-phospholipid supplementation shrimp feed - better growth performance and lower formulation costs** (TROBOS, Indonesia)

Guerin. M., Dhanunjaya. G., Isern-Subich, M. M., Nuez-Ortín. W. G. **Better performance and lower formulation costs made possible by lyso-phospholipid supplementation to shrimp feed** (Fishing Chimes, India)

Lin. Y-H., Uhizima. T., Nuez-Ortín. W. G. **Oportunidade para redução dos custos de formulação e aumento da performance produtiva em Litopenaeus vannamei** (Panorama Acuicola)

Guerin. M., Dhanunjaya. G., Isern-Subich, M. M., Nuez-Ortín. W. G. **The importance of antioxidants and immune-modulators to support shrimp health** (Aquaculture Spectrum)

Uhizima. T., Isern-Subich, M. M., Nuez-Ortín. W. G. **Uso de aditivos funcionais como ferramentas estratégicas na prevenção e redução de mortalidades** (Panorama Acuicola)

Mamora. M. Isern-Subich, M. M., Nuez-Ortín. W. G. **On-farm efficacy of a functional feed additive strategy to reduce the impact of White Feces Syndrome (WFS)** (Aquaculture Asia Pacific)

Mahmood. T., Nuez-Ortín. W. G. **An assessment of the efficacy of different commercial sources of supplemental methionine over the growth performance of young whiteleg shrimp** (Aquafeed)

Guerin. M., Isern-Subich, M. M., Nuez-Ortín. W. G. **Use of organic acids in fish farming: a useful ally against bacterial diseases and antibiotic resistance** (Bangladesh)

Guerin. M., Isern-Subich, M. M., Nuez-Ortín. W. G. **Functional additive strategies to optimize health in tilapia – can Asian farmers learn from their counterparts in Brazil?** (Aquaculture Asia Pacific)

Uhizima. T., Isern-Subich, M. M., Nuez-Ortín. W. G. **Estratégias de prevenção contra franciselose em tilápias** (Panorama Acuicola)

Mamora. M., Guerin. M., Nuez-Ortín. W. G. **On-farm strategies: Efektifitas functional feed additive dalam mengurangi dampak WFS (White Feces Syndrome)** (TROBOS, Indonesia)

Uhizima. T., Isern-Subich, M. M., Nuez-Ortín. W. G. **Estratégias preventivas para redução da síndrome das fezes brancas (WFS) em camarões *Penaeus vannamei*** (ABCC, Brazil)



Hernández. G., Isern-Subich, M. M., Nuez-Ortín. W. G. **Nutrición funcional basada em fitobióticos contra el síndrome de las heces blancas en camarón – experiencias del sudeste asiático** (Industria Acuicola, Mexico)

Nuez-Ortín. W. G. **Lysophospholipids in aquaculture nutrition: more than a feed emulsifier** (Aqua@Event by Adisseo, 2021, Mar 30-31)

Guerin. M. **Functional feed additives to reduce the impact from diseases in shrimp farming: Are they really worth it?** (The Aquaculture Roundtable Series, TARS, Aug 18-21)

Coutteau. P. **Why Is There A Trust Deficit Among Asian Farmers On Functional Feeds?** (The Aquaculture Roundtable Series, TARS, Aug 18-21)

Nuez-Ortín. W. G. **Key mechanisms of gut health promotion by phytobiotic-based additive in marine fish - Part 1** (8th Fisheries and Aquaculture Conference, IFCA, Indonesia, Aug 19-20)

Mamora. M., Nuez-Ortín. W. G. **Experimental and field validation of health promotion by phytobiotic-based additive in marine fish – Part 2** (8th Fisheries and Aquaculture Conference, IFCA, Indonesia, Aug 19-20)

Fuentes. J., Robles. R., Nuez-Ortín. W. G. **In vitro tools to understand the dietary effects of lyso-phospholipids in the intestinal integrity and physiology of gilthead sea bream *Sparus aurata*** (European Aquaculture Society 2021, Portugal, Oct 4-7th)

Ibarz. A., Nuez-Ortín. W. G. **Why to bet on dietary lyso-phospholipids: deep analysis of ways of action in salmon via intestine and liver interactomes** (European Aquaculture Society 2021, Portugal, Oct 4-7th)

Piazzon. M. C., Naya-Catalá. F., Pereira. G. V., Del Pozo., R., Calduch-Giner, J. A., Dias, J., Nuez-Ortín. W. G., Sitja-Bobadilla. A., Conceiçao, L. E. C., Perez-Sánchez. J. **Fish meal-free diets supplemented with health promoters support optimal growth in gilthead sea bream, with beneficial changes in gene expression, intestinal microbiota and improved intestinal disease recovery** (European Aquaculture Society 2021, Portugal, Oct 4-7th)

Wu. A. **Sustainable aquaculture through functional nutrition** (Marine Biotech Forum, Taiwan, Sep 24)

Uhizima. T. **Tilapia: innovation, well-being, and sustainable development** (FAI webinar, Brasil)

Isern I Subich. M. M. **Global experiences on the prevention of disease in shrimp production** (XIV Simpósio Internacional de Aquicultura – FENACAM, Brasil, Nov 17-19)

Uhizima. T. **Surubim production and other Brazilian fishes** (XIV Simpósio Internacional de Aquicultura – FENACAM, Brasil, Nov 17-19)

Youssef. I. **Functional Feed Additives to Boost Health and Nutrition in Aquaculture** (Aquatic MEA, Rwanda, Nov 24th)



Isern I Subich, M. M. **Impact of franceloses in tilapia chain production – challenges and prevention strategies** (International Fish Congress, Brasil, Nov 24-26)

Nuez-Ortín, W. G. **Functional Nutrition for Sustainable Marine Aquaculture** (2nd Marine Aqua Technology Forum, Taiwan, Dec 2-4)

Guerin, M. Nuez-Ortín, W. G. **Phytobiotic-based additive protects marine fish gut health: effects on intestinal integrity and inflammation** (International Symposium on Fish Nutrition and Feeding, ISFNF 2020, Dec 12-16th)

2020

Mantovani-Favero, L., Toshio-Facimoto, C., Nuez-Ortín, W.G, Isern-Subich, M.M, Urach, B., de Padúa Pereira, **Use of functional additive to reduce mortality from franciselosis and streptococcosis.** Aquafeed, January 2020.

Nuez-Ortín, W.G., Ceulemans, S., Batonon-Alavo, D. I., Mercier, Y. **Hydroxymethionine – an efficient source of methionine for aquafeeds**

2019

Nuez-Ortín, W.G, Isern-Subich, M.M, Dehasque, M. 2019. **Nutritional Interventions to Control Oxidative Stress & Promote Optimal Immunity in Aquaculture.** Livestock and Feed Business, February (online) and September (press).

Nuez-Ortín, W.G 2019. **Hydroxyselenomethionine- maximum efficacy across selenium sources.** Paper accepted for oral presentation at Aquifarm (Porverone, Italy).

Nuez-Ortín, W.G. van Halteren, A. 2019. **The importance of digestibility enhancers in current aquafeed formulations.** Fish Farmer, February.

Coutteau, P. 2019. **Power up your aquafeed.** Paper accepted for oral presentation at VIV (Bangkok, Thailand).

Nuez-Ortín, W.G 2019. **Validating the efficacy of phytobiotic-based additive against white feces syndrome in shrimp.** Paper accepted for oral presentation at Asia Pacific Aquaculture Conference, APA (Chennai, India).

Guerin, M. 2019. **Role of additives in plant-based feeds.** Presented at IAFFD workshop series (Asia).

Guerin, M. 2019. **Fish meal replacement strategies, just a question of protein?** Paper accepted for presentation at The Aquaculture Roundtable Series TARS 2019, (Bali, Indonesia)



Nuez-Ortín, W.G., Isern-Subich, M.M. 2019. **Validating the efficacy of a phytobiotic-based feed additive against white faeces syndrome.** Asia Pacific Aquaculture, July/August.

Gim Chong, H., Kumar, B., Nuez-Ortín, W. G., Isern-Subich, M.M and van Halteren, A. 2019. **Functional feed additives, key to an effective strategy against White Faeces Syndrome in white shrimp: Indian challenge.** Fishing Chimes, August.

Mantovani-Favero, L., Toshio-Facimoto, C., Nuez-Ortín, W.G, Isern-Subich, M.M, Hernández, G., de Padúa Pereira, U. 2019. **Uso de aditivo funcional para la reducción de la mortalidad por franciselosis y estreptococosis,** Industria Acuicola, September.

Arapí, E., Hunt, R., Nuez-Ortín, W.G., Isern-Subich, M.M., Cable, Jo. 2019. **The guppy model – developing functional feed additives against parasites.** Paper accepted for oral presentation at International Conference on Disease of Fish and Shellfish, EAFF (Porto, Portugal).

Nuez-Ortín, W.G., de Marco, M, Moal, A. 2019. **Hydroxy-selenomethionine reduces the effects of stress in fish,** Aquafeed, vol 11, issue 4, October.

Nuez-Ortín, W.G., Hernández, G. 2019. **Preventive strategies based on health promoting additives to reduce the impact of white feces syndrome (WFS) in Asia- lessons to learn for Ecuador.** Aquaexpo, Guayaquil, Ecuador, October

Coutteau, P. Nuez-Ortín, W. G. **Innovation in nutrition, a must for sustainable aquaculture.** University of Cádiz (Spain)

2018

Isern-Subich, M.M. 2018. **Effect of a functional feed additive on gut histology and microbiota of European seabass (*Dicentrarchus labrax*) and gilthead seabream (*Sparus aurata*) during the cold season.** Paper accepted for presentation at Aquafarm (Pordedone, Italy).

Isern-Subich, M.M. 2018. **Use of a functional feed additive in gilthead seabream (*Sparus aurata*) for parasitic disease prevention.** Paper accepted for presentation at Aquafarm (Pordedone, Italy).

Nuez-Ortín, W. G, Coutteau, P. 2018. **Preventing Disease Under Current Aquaculture Practices: The Nutritional Approach.** Livestock and Feed Business, April 2018

Gim Chong, H., Isern-Subich, M.M, Nuez-Ortín, W.G. 2018. **Can we prevent white feces syndrome in shrimp? – Validating the efficacy of a functional feed additive under field conditions.** Aquafeed, vol 10, issue 4

Gim Chong, H. 2018. **Game Changer Sleeping with Enemy- Functional Feed Additives for Better Health Management.** Paper accepted for presentation at Asia Pacific Aquaculture (Taipei, Taiwan).



Isern-Subich, M.M. 2018. **Effect of a novel feed additive on performance and health indicators during natural thermal fluctuations in gilthead sea Sparus aurata cage culture.** Paper accepted for presentation at Asia Pacific Aquaculture (Taipei, Taiwan).

Nuez-Ortín, W.G. 2018. **Functional feed additives, key to disease prevention in aquaculture. Paper accepted for presentation at International Symposium of Fish Nutrition and Feeding (Las Palmas, Spain).**

Nuez-Ortín, W.G. 2018. **Sustainable shrimp feed: in search of novel ingredients and functional additives to power the shrimp feed of the future.** Paper accepted for presentation at The Aquaculture Roundtable Series TARS 2018, (Chiang Mai, Thailand)

Nuez-Ortín, W.G, Isern-Subich, M.M. 2018. **Natural feed additives to reduce the impact from parasites on marine fish farming in the Mediterranean region.** Feed Planet Magazine, August 2018

van Halteren, A., Nuez-Ortín, W.G. 2018. **The importance of digestibility enhancers in current aquafeed formulations.** The Fish Site. September 2018.

Nuez-Ortín, W.G. 2018. **Functional feed additives, key to support disease prevention in aquaculture.** Paper accepted for oral presentation at FENACAM (Natal, Brasil).

Nuez-Ortín, W.G. 2018. **Functional feed additives to promote health in aquaculture.** Paper accepted for oral presentation at Aquafeed Platform (Ghent, Belgium).

van Halteren, A. 2018. **Reducing Feed Cost in Aquaculture Through Digestive and Metabolic Enhancement.** Paper accepted for oral presentation at Aquafeed Platform (Ghent, Belgium).

Mantovani-Favero, L., Toshio-Facimoto, C., Nuez-Ortín, W.G, Isern-Subich, M.M, Urach, B., de Padúa Pereira, U. 2018. **Uso de aditivo funcional no crescimento de tilápias do Nilo e na redução da mortalidade por franciselose e estreptococose.** Panorama de Aqüicultura. November/December.

2017

Palenzuela, O., Del Pozo, R., Piazzon, M.C., Isern-Subich, M.M., Ceulemans, S, Coutteau, P, Sitjà-Bobadilla, A. 2017. **Aditivos funcionales para piensos. International Aquafeed.** July/August

Palenzuela, O., Del Pozo, R., Piazzon, M.C., Isern-Subich, M.M., Ceulemans, S, Coutteau, P, Sitjà-Bobadilla, A. 2017. **Functional feed additives. International Aquafeed.** July/August

Palenzuela, O., Del Pozo, R., Piazzon, M.C., Isern-Subich, M.M., Ceulemans, S, Coutteau, P, Sitjà-Bobadilla, A. 2017. **功能性饲料添加剂.** International Aquafeed. July/August

Gim Chong, H., Isern-Subich, M.M, Wu, A. 2018. **Functional feed additives, key to an effective strategy against White Feces Syndrome in white shrimp.** Aquafeed. Vol 1, issue 9.



van Halteren, A., Ceulemans, S., Coutteau, P **Cost efficient replacement of cholesterol, n-3 HUFA and phospholipids in feed for white shrimp (*Penaeus vannamei*)**. *Aquafeed*, vol 8, issue 3

Robles, R., Isern-Subich, M.M., Román, C., Bermúdez, L., Ceulemans, S., Mazuelos, N., Librero, M., Medialdea, M., Albinyana, G., Girons, A., Tapia-Paniagua, S.T., Moríñigo, M.A. and Coutteau, P. **Functional feed additive helps during parasitic infestation of European seabass *Dicentrarchus labrax***. *International Aquafeed*, November.

2016

Valle, J.C. Coutteau, P. 2015. **Natural feed additive improves shrimp productivity in Ecuador demonstration**. *Global Aquaculture Advocate*, nov-dec 2015: 16-17.

Coutteau, P. 2016. **Multiple benefits from promoting gut health in aquaculture**. *AllAboutFeed*. Vol 24, num 6

Coutteau, P. 2016. **Focus on health improves productivity**. *Alliance Advocate*. April.

Sampaio, G. 2016. **Ayudando a la salud del intestino con un promotor de crecimiento natural**. *Alliance Advocate*. August.

Sampaio, G., Peres Ribeiro, M. J., Isern-Subich, M.M., Coutteau, P. 2016. **Promoting gut health improves productivity and profitability in Nile tilapia farmed in cages in Brazil**. *Asia Pacific Aquaculture*, Sept/Oct

van Halteren, A., Coutteau, P. 2016. **Survey of nutrient levels in commercial shrimp feeds in India**. *Aquafeed*, vol 9, issue 2

2015

Coutteau, P. 2015. **Functional feed additives to prevent disease in farmed shrimp**. *Aquafeed*, vol 7, issue 4

Valle, J. C., Coutteau, P. 2015. **Natural Feed Additive Improves Shrimp Productivity in Ecuador Demonstration**. *Global Aquaculture Advocate*, November/December

Valle, J. C. 2015. **Effect of a functional feed additive on productivity in Ecuadorian shrimp farming: a pilot scale demonstration**. *Aquafeed*, vol 7, issue 3

Tran, L. H., Hoang, P. N., Hoang Bui, O., Nguyen, T., Wu, A., Ceulemans, S., Coutteau, P. 2015. **Reduce the Impact of EMS/AHPND: evidence from an experimental challenge with *Penaeus vannamei***. *Aquafeed*, vol 7, issue 1



2014

Coutteau, P., Gossens, T. 2014. **Feed Additives Based On Quorum Sensing Disruption Could Aid Fight Against EMS/AHPN.** Global Aquaculture Advocate. January/February

Van Halteren, A. 2014. **Disruption of Quorum Sensing to Manage EMS/AHPN.** Paper accepted for presentation at AqualIndia (Vijayawada, India).

Van Halteren, A. 2014. **Reducing feed cost in tilapia production by optimizing nutrient utilization and gut health.** Presented at IAFFD workshop series (Asia).

Coutteau, P. 2014. **Functional feed additives to reduce the impact from bacterial diseases on shrimp production.** Paper accepted for presentation at AquaFeed Horizons (Bangkok, Thailand).

Gossens, T. 2014. **Fighting Pathogens: Choosing from a Range of Molecular Mechanisms.** Paper accepted for presentation at The Aquaculture Roundtable Series TARS 2019 (Phuket, Thailand).

Lin, Y. H., Wu, A. 2014. **Protein sparing in Tilapia through the supplementation of a digestive/metabolic enhancer.** Aquafeed.

Van Halteren, A. 2014. **Reducing feed cost in aquaculture through digestive and metabolic enhancement.** Paper accepted for oral presentation at Aquafeed Platform (Ghent, Belgium).

2013

Ceulemans, S.; Coutteau, P.; Wu, A., 2013. **Extreme replacement of fish meal by vegetable meals in feed for European seabass (*Dicentrarchus labrax*): Nutritional compensation make the difference.** Paper presented at 10th Asian Fisheries and Aquaculture Forum and 4th International Symposium on Cage Aquaculture in Asia. 2013. Yeosu, South Korea; April 30 – May 04, 2013.

Coutteau, P. 2013. **The Aquafeed Interview.** International Aquafeed. March-April 2013: 62-63.

Coutteau, P., Goossens, T. 2013. **Novel additives to reduce the economic impact of disease on shrimp production.** International Aquafeed Jan-Feb 2013: 28-32.

Coutteau, P., Goossens, T. 2013. **Aditivos inovadores para reduzir o impacto economico de doenças na produção da camarao.** Panorama da Aquicultura, jan-feb 2013: 58-63.

Coutteau, P., Ceulemans, S., van Halteren, A. 2013. **Innovative approaches to reduce feed cost in aquaculture: optimizing nutrient utilization and gut health. In: New additives and ingredients in the formulation of aquafeeds.** Edited by Centro Tecnológico del Mar-Fundación CETMAR; Eds: M^a Pilar Seirol Piñeiro, Uxía Vázquez Ferreiro, Noelia Estévez Calvar, Julio Maroto Leal. Pp. 27-44.

Hernandez, G. 2013. **New horizons of extra nutritional additives to keep shrimp healthy and farmers wealthy.** Paper presented at Aquafeed Horizons workshop at Aquaculture 2013. Feb 21-25, 2013. Nashville, Tennessee, USA.



Sampaio Gonçalves, J., Peres Ribeiro MJ, Villaça D. y Coutteau, P. 2013. **Aditivos para mejorar el rendimiento de las dietas para tilapia.** Panorama Acuicola March-April 2013: 42-45.

Coutteau, P., Goossens, T. 2013. Functional feeds, a key component of effective strategies against EMS. AQUA Culture Asia Pacific Magazine July-Aug, in press.

Goossens, T. 2013. **Hitting below the (MIC-) belt: tackling bacterial virulence using Quorum Sensing.** Paper accepted for presentation at The Aquaculture Roundtable Series (TARS 2013). August 21-22, 2013. Singapore (NUTRIAD CO-SPONSOR).

Goossens, T. Coutteau, P., 2013. **Using quorum sensing to develop gut health supporting feed additives that control intestinal microbiota.** Paper accepted for presentation at 16th International Conference on Diseases of Fish and shellfish. Sept 2-6, 2013. Tampere, Finland.

Coutteau, P., Goossens, T. 2013. **Quorum sensing technology: a new tool to enhance bio-security measures against bacterial diseases.** Paper accepted for presentation at Asia Pacific Aquaculture 2013. Dec 10-13, 2013. Ho Chi Minh, Vietnam.

Coutteau, P.; Goossens, T.; Wu, A., 2013. **Novel additives to reduce the economic impact of disease on shrimp production.** Thuy San magazine (Vietnamese) July 2013, in press.

2012

Coutteau, P. 2012. **Reducing feed cost in aquaculture by optimizing nutrient utilization and gut health.** Paper presented at VICTAM AQUAFEED HORIZONS. Feb 15-17, 2012. Bangkok, Thailand.

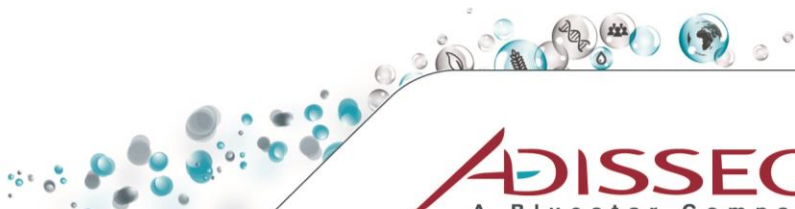
Coutteau, P. 2012. **Disease Prevention in Shrimp Farming: What can we do through the Feed.** Paper presented at FENACAM. June 12-14, 2012. Natal, Brazil.

Coutteau, P. 2012. **NUEVAS ARMAS PARA COMBATIR ENFERMEDADES EN CAMARÓN: que podemos hacer a través del alimento.** Paper presented at Aquaculture Workshop. July 14, 2012. Panama. (NUTRIAD CO-SPONSOR)

Coutteau, P. 2012. **Extra nutritional additives: more than source of nutrients.** Paper presented at The Aquaculture Roundtable Series (TARS 2012). August 15-16, 2012. Phuket Thailand (NUTRIAD CO-SPONSOR)

Coutteau, P. 2012. **Reducción del costo del alimento optimizando la utilización de los nutrientes y la salud del tracto digestivo.** Paper presented at XIV Congreso Ecuatoriano de Acuicultura & Aquaexpo 2012. Oct 22-25, 2012. Guayaquil, Ecuador.

D'Heer, B. 2012. **Aqua feed quality control: chemical and microbiological aspects.** Paper presented at 12th Practical Short Course: Trends and Markets in Aquaculture Feed Ingredients, Nutrition, Formulation and Optimized Feed Production and Quality Management. December 3 & 4, 2012. Ghent, Belgium.



Robles, R., Ceulemans, S., Coutteau, P., Nuñez, R., Cremer, M.. 2012. **Practical Feeds Without Fishmeal Suitable For Gilthead Sea Bream**. Global Aquaculture Advocate, sept-oct 2012: 42-44.

Robles, R., S. Ceulemans, R. Nuñez, P. Coutteau, M. Cremer. 2012. **Practical feeds without fishmeal for gilthead seabream *Sparus aurata***. Paper presented at World Aquaculture 2012. Prague, Czech Republic; Sept 1-5, 2012.

Sampaio Gonçalves, G., Peres Ribeiro, M.J., Villaca, D., Coutteau, P. 2012. **Effect of a novel feed additive on productivity and profitability of Nile Tilapia in cage farming**. Paper presented at World Aquaculture 2012. Prague, Czech Republic; Sept 1-5, 2012.

Sampaio Gonçalves, G., Peres Ribeiro, M.J., Villaca, D., Coutteau, P. 2012. **Get more out of your increasingly expensive Tilapia feed. Aquafeed Advances in Processing & Formulation**. Autumn 2012.

Sampaio Gonçalves, G., Peres Ribeiro, M.J., Villaca, D., Coutteau, P. 2012. **Can tilapia get more out of your current feed formulation?** AQUA Culture Asia Pacific Magazine nov-dec, p. 32-34.

Van Halteren, A. 2012. **Reducing feed cost in aquaculture by optimizing nutrient utilization and gut health. Paper presented at 12th Practical Short Course: Trends and Markets in Aquaculture Feed Ingredients, Nutrition, Formulation and Optimized Feed Production and Quality Management**. December 3 & 4, 2012. Ghent, Belgium.

van de Braak, K., Ayaril, N.K., Llanos, J., Coutteau, P. 2012. **Effect of a novel feed additive on lipid vacuolization of the hepatopancreas and production parameters of white shrimp *Penaeus (Fenneropenaeus) indicus***. Paper presented at World Aquaculture 2012. Prague, Czech Republic; Sept 1-5, 2012.

Villaça D., Coutteau, P., Peres Ribeiro JM, Sampaio Gonçalves G. 2012. **Aditivo nutricional na ração melhora desempenho e reduz custo de produção na tilapicultura**.

2011

Ceulemans, S., van Halteren, A., Coutteau, P., 2011. **The potential of phytobiotics in aquaculture to improve productivity**. Paper presented at Aquaculture Europe 2011. October 18-21, 2011. Rhodos – Greece.

Cuéllar-Anjel, J., Vaca, A., Chamorro, R., Dager, S., Coutteau, P. 2011. **Effect of a botanical-based feed additive on productivity and economics of semi-intensive shrimp farming in Panama**. Paper presented at X International Shrimp Culture Symposium & Exhibition. Shrimp Culture Optimization Strategies, “The Returning Path to Success” May 4 – 6, 2011. Panama.

Chamorro, R., Cuéllar-Anjel, J., Vaca, A., Dager, S., Coutteau, P. 2011. **Effect of a botanical-based feed additive on productivity and economics of semi-intensive shrimp farming in Panama**. Paper presented at World Aquaculture 2011. June 6-10, 2011. Natal, Brazil.



Coutteau, P. 2011. **Innovative approaches to reduce feed cost in aquaculture: optimizing nutrient utilization and gut health.** Paper presented at X International Shrimp Culture Symposium & Exhibition. Shrimp Culture Optimization Strategies, "The Returning Path to Success" May 4 – 6, 2011. Panama.

Coutteau, P., Ceulemans, S., van Halteren, A. 2011. **Trials: Digestibility Enhancer Can Offset Cholesterol Content in Shrimp Feed.** Global aquaculture advocate Sept/Oct 2010: 110-111.

Coutteau, P., Ceulemans, S., van Halteren, A. 2011. **Studies Find Botanical Extracts Improve Productivity of Shrimp And Pangasius.** Global Aquaculture Advocate. May-June 2011: 77-79.

Coutteau, P., Ceulemans, S., van Halteren, A. 2011. **Botanical extracts improve productivity and economics in aquaculture.** Paper presented at Asian-Pacific Aquaculture 2011 (APA 2011), Jan 17 – 20 2011, Kochi, India.

Coutteau, P., Ceulemans, S., van Halteren, A. 2011. **Botanical extracts improve productivity and economics in aquaculture.** Paper presented at Aquaculture America 2011. Feb. 28 - March 3, 2011. New Orleans, Louisiana, USA.

van Halteren, A., Ceulemans, S., Coutteau, P., 2011. **Sustainable levels of fishmeal in feeds for marine fish: formulation bottlenecks & solutions.** Paper presented at ASA-IM Oct 8, 2011. seminar HCM, Vietnam.

van Halteren, A., Ceulemans, S., Coutteau, P., 2011. **Application of novel digestibility enhancers to improve performance and filleting yield in pangasius catfish.** Paper presented at Asian-Pacific Aquaculture 2011 (APA 2011), Jan 17 – 20 2011, Kochi, India.

2010

Ceulemans, S. 2010. **Fishmeal Replacement in Carnivorous Fish.** Paper presented at ASA-IM Fish Seminar, 8-9 april 2010. Izmir, Turkey.

Ceulemans, S. 2010. **Aqua feed quality control: chemical and microbiological aspects. Paper presented at 10th Practical Short Course: Trends and Markets in Aquaculture Feed Ingredients, Nutrition, Formulation and Optimized Feed Production and Quality Management.** Nov 8-9, 2010. Ghent, Belgium.

Ceulemans, S. , Robles, R., Coutteau, P. , Cremer, M. 2010. **Drastic replacement of fishmeal by soy products in feed for gilthead seabream (Sparus auratus): nutritional compensations make the difference.** Paper presented at AQUACULTURE EUROPE 2010. Oct 5-8, 2010. PORTO, Portugal.

Coutteau, P. 2010. **Innovative approaches to reduce feed cost in aquaculture Part 1. optimizing nutrient digestibility and feed utilization.** AQUAINFO (Korea) June 2010: p.16-24.



Coutteau, P. 2010. **Innovative approaches to reduce feed cost in aquaculture Part 2. maximizing performance by optimizing gut health.** AQUAINFO (Korea) July 2010: p.18-24.

Coutteau, P. 2010. **Application of novel feed additives based on botanical extracts to improve productivity and economics in aquaculture.** Paper presented at Int Symp Aqua Nutrition X. Nov 8-10, 2010. Monterrey, Mexico.

Coutteau, P., Ceulemans, S., van Halteren, A. 2010. **Innovative approaches to reduce feed cost in aquaculture: Optimizing nutrient utilization and gut health.** Aquafeed International, may-june 2010: 32-36.

Coutteau, P., Ceulemans, S., van Halteren, A. 2010. **Get more out of your aquafeed ingredients IV. Maximizing performance by optimizing gut health.** Aquafeed Advances in Processing & Formulation. Summer 2010 : p. 14-19.

Coutteau, P., Ceulemans, S., Robles, R. 2010. **Novel feed formulations targetting sustainable levels of fishmeal for european seabass (*Dicentrarchus labrax*).** Paper presented at AQUACULTURE EUROPE 2010. Oct 5-8, 2010. PORTO, Portugal.

Coutteau, P., Tinh, N.H., Eskinazi, S., Nguyen, H.D. 2010. **Botanical extracts enhance disease resistance and reduce parasitic infestation in pangasius catfish.** AQUA Culture Asia Pacific Magazine. Sept-Oct. 2010 : p. 18-20.

Vaca, A., Cuéllar-Anjel, J., Chamorro, R., Dager, S., Coutteau, P. 2010. **Panama Demo Shows Botanical Extracts Improve Shrimp Productivity.** Global Aquaculture Advocate, nov-dec 2010: 70-73.

Vaca, A., Cuéllar-Anjel, J., Chamorro, R., Dager, S., Coutteau, P. 2010. **Fitobióticos para aumentar la producción y crecimiento económico de la camaronicultura.** Panorama Acuicola sept-oct 2010: 26-30.

2009

Coutteau, P. 2009. **Are you ready for the aquafeed of the future? Innovative additives to improve performance and formulation cost of feeds for fish and shrimp.** Paper presented at Aqua VIV Asia 2009. March 11-13, 2009. Bangkok, Thailand.

Coutteau, P. 2009. **Are you ready for the aquafeed of the future?** Paper presented at AGRAME 2009. March 30 - April 1, 2009, Dubai.

Coutteau, P. 2009. **Optimal levels of fishmeal/fish oil replacement with soy products in practical feeds for European sea bass (*Dicentrarchus labrax*) and Gilthead sea bream (*Sparus aurata*).** Paper presented at Aquaculture Seminar by American Soybean Association. March 26-27, 2009. Izmir, Turkey.



Coutteau, P. 2009. **Optimal levels of fishmeal/fish oil replacement with soy products in practical feeds for European sea bass (*Dicentrarchus labrax*) and Gilthead sea bream (*Sparus aurata*).** Paper presented at "ASA-IM Aquaculture Seminar" June 7-8, 2009. Alexandria, Egypt.

Coutteau, P. 2009. **Innovative concepts to improve formulative flexibility and performance of Aquafeed formulations.** Paper presented at "Innovaciones y nuevas tendencias en el manejo nutricional y de campo de especies acuícolas". Nov 18, 2009. Penonomé, Panama.

Coutteau, P. 2009. **Improving the ecological and economical sustainability of marine fish feed formulations.** AQUAINFO (Korea) March 2010 : 20-35.

Coutteau, P., Ceulemans, S., van Halteren, A. 2009. **Get more out of your aquafeed ingredients I. Enhance lipid digestion in shrimp.** Aquafeed Advances in Processing & Formulation. Summer 2009 : p. 12-16.

Coutteau, P., Ceulemans, S., van Halteren, A. 2009. **Get more out of your aquafeed ingredients II. Innovative digestive enhancers.** Aquafeed Advances in Processing & Formulation. Summer 2009 : p. 18-23.

Coutteau, P., Ceulemans, S., van Halteren, A., Robles, R., and Hadadi, A. 2009. **Get more out of your aquafeed ingredients III. Novel digestibility enhancers improve performance, feed cost efficiency and filleting yield in fish.** Aquafeed Advances in Processing & Formulation. Winter 2009 : p. 16-21.

Coutteau, P., Ceulemans, S., van Halteren, A., Robles, R., and Hadadi, A. 2009. **Screening for cost-efficiency: Application of novel digestibility enhancers to improve performance and filleting yield in fish.** International Aquafeed. Nov-Dec. 2009 : p. 36-40.

Ceulemans, S., Coutteau, P., Robles, R. 2009. **Innovative Feed Additives Improve Feed Utilization in Nile Tilapia.** Global aquaculture advocate Nov/Dec 2009: 63-65.

Robles, R., Ceulemans, S., Padros, F., Cremer, M. 2009. **Nutritional Compensation Supports Fishmeal Replacement In Seabream Feed.** Global Aquaculture Advocate July-Aug 2009: p. 58-60.

Van Halteren, A., Vo van Phong, Nguyen Van Lam, Huyen Dieu Nguyen, Coutteau P. 2009. **Optimizing the application of a novel feed additive to improve feed utilization and fillet yield in Pangasius farming.** AquaCulture Asia Pacific Magazine, Nov-Dec 2009, p. 14-18.

