

AQUACULTURE PUBLICATIONS

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.

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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.

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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., Thinh, 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.

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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.

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.

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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

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 camarão. *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 Sieiro 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).

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2014

Coutteau, P., Goossens, 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).

Goossens, 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).

2015

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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

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

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

2017

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Robles, R., Isern-Subich, M.M., Román, C., Bermúdez, L., Ceulemans, S., Mazuelos, N., Libroero, 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.



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- 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 (Pordenone, 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 (Pordenone, 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 (Pordenone, 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).
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- 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).
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2019

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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).

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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.

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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)