

OFFICIAL



ISFNF 2026

International Symposium on
Fish Nutrition and Feeding

18-21 May 2026, Darwin Convention Centre,
Larrakia Country, NT Australia

CONFERENCE PROGRAM



*Feeding Innovation
Through Partnership*



Monday, 18 May 2026

Pre-Conference Activities · Welcome Function

Darwin Convention Centre · Larrakia Country, NT Australia

TIME	ACTIVITY / SESSION	PRESENTER
Pre-Conference Activities		
6:45 AM	Bus for Hooked on Barra & Jumping Crocs Tour departs	
8:30 AM	Bus for Barramundi Adventures Tour departs	
9:00 AM	Bus for Aquaculture Centre Tour departs	
11:00 AM	REGISTRATION DESK OPEN	
02:00 PM	Start of delegates poster bump-in (until 05:30 PM)	
Opening Formalities — Auditorium 2		
2:00 PM	FORMALITIES START	
	Introduction to ISAN	Prof Luisa Valente, CIIMAR <i>Chair International Committee</i>
2:10 PM	Opening Remarks & Keynote Introduction	Dr Cedric Simon, CSIRO <i>Chair Local Scientific Committee</i>
2:25 PM	Keynote 1: Global Trends in Aquafeed Industry	Dr Albert Tacon
2:55 PM	Session Sponsor Announcement	Mr Lukas Manomaitis U.S. Soybean Export Council (USSEC)
May 18 Session 1: Circular Raw Materials 1		
3:00 PM	Chair Introduction	Dr. Michael Salini, SPC Prof. Luisa Valente, CIIMAR
3:05 PM	Closing the loop in aquaculture: Salmon Protein Hydrolysate as a Circular Feed Ingredient for Atlantic Salmon	Dr Ingrid Sandbakken
3:20 PM	Formic Acid Fermented Marine Fish Waste Alternative Raw Material in Seabass Diet	Dr Jeeraporn Foowut
3:35 PM	Circular Feed Solutions for Aquaculture Based on Functional Protein Hydrolysates from Animal By-Products	Dr. Marta Monteiro
3:50 PM	From Local Waste to Aquafeed: Developing A Sustainable Diet for Malabar Grouper (<i>Epinephelus Malabaricus</i>) In Okinawa, Japan	Prof Taekyoung Seong
4:05 PM	Zero Forage Fish In, Full Growth Out: Upcycled Proteins and Algal Oil Sustain Yellowtail Kingfish Growth to Harvest	Dr Lindsey Woolley
4:20 PM	Valorisation Of Supercritical Co2 Extracted Mussel Meal in Fishmeal-Free Diets for Penaeus Monodon Juveniles	Dr Ha Truong
4:35 PM	Nutritive Values of Catfish By-Product Meal for Pacific White Shrimp (<i>Litopenaeus Vannamei</i>)	Dr Van Nguyen

04:50 PM	Session 1 concludes	
May 18	Welcome Function — Frangipani Plaza & Waterfront Lagoon	
6:00 PM	WELCOME FUNCTION STARTS	
6:00 PM	Saltwater Welcome to Country – Waterfront Lagoon	Mary Williams
6:30 PM	Sponsors Speech	DSM and CDU
7:00 PM	Networking	
8:15 PM	WELCOME FUNCTION CONCLUDES	



Tuesday, 19 May 2026

Day 1

Darwin Convention Centre · Larrakia Country, NT Australia

TIME	ACTIVITY / SESSION	PRESENTER
7:30 AM	REGISTRATION DESK OPEN	
8:20 AM	FORMALITIES START — Auditorium 2	
	Announcements & Keynote Introduction	Dr Cedric Simon
8:25 AM	Keynote 2: Nutritional Ecology and Geometry	Prof David Raubenheimer
8:55 AM	Session Sponsor Announcement	Mr Greg Aylward GrainCorp Ltd.
May 19	Session 2: Nutritional Requirements	
9:00 AM	Chair Introduction	Prof Chris Carter, UTAS Prof Debora Fracalossi, UFSC
9:05 AM	Net Energy Evaluation in Finfish: An Update	Dr Roel Maas
9:20 AM	Folate Requirements of Atlantic Salmon (<i>Salmo Salar</i>) during Smoltification	Dr Pauline Wischhusen
9:35 AM	Exploring the Potential for Proto-Nutritional Responses by Atlantic Salmon to Differential Primary Long-Chain Omega-3 Intake	Prof Brett Glencross
9:50 AM	Functional vs Non-Functional N-6/N-3 Ratio in Atlantic Salmon: Seasonal Responses	Dr Keshuai Li
10:05 AM	Metabolic Profiling to Identify Early Biomarkers of Sulfur Amino Acid Requirements in Barramundi (<i>Lates Calcarifer</i>)	Mrs Janelle Smith
10:20 AM	Optimizing Amino Acids and Energy Sources for Performance, Nutrient Utilization and Gut Microbiome of Shrimp Under Different Cultured Temperatures	Dr Jeleel Opeyemi Agboola
10:35 AM	Session 2 concludes	
10:40 AM	MORNING TEA — Hall 2	
May 19	Session 3: Feeding Physiology and Management	
11:10 AM	Chair Introduction	Prof Sunil Kadri, CDU Dr Sofia Morais, Lucta
11:15 AM	Umami-Based Palatability Enhancer Supports Fishmeal Reduction by Improving Feed Intake, Growth and Gut Function in Largemouth Bass	Dr Li Dong
11:30 AM	Effectiveness of a salmon-derived protein hydrolysate in enhancing feed intake in post-smolt Atlantic salmon (<i>Salmo salar</i>).	Dr David Poppi
11:45 AM	Magnetic polarity influences feeding efficiency of tropical rock lobster (<i>panulirus ornatus</i>) in a laboratory setting	Mr Muhsinul Ihsan

12:00 PM	Influence of the physical characteristics of feed on digestive processes of atlantic salmon, <i>salmo salar</i> , focusing on gut transit rate	Dr Thomas Mock
12:15 PM	Precision feeding simulation for <i>oreochromis spp.</i> Using a two-feed blending model to reduce nutrient oversupply and feed costs	Mr Yann Malini Ferreira
12:30 PM	Automated demand feeding in cages using hydroacoustics: Taking production and nutritional R&D to the next level	Prof Sunil Kadri
12:45 PM	Session 3 concludes	
12:50 PM	LUNCH — Hall 2	
May 19		
Session 4: Hatchery & New Species		
02:00 PM	Chair Introduction	Dr Igor Pirozzi, NSW DPI Prof Delbert Gatlin, Texas A&M University
02:05 PM	Protein and lipid utilization in the early life stages of <i>senegalese sole</i> , atlantic halibut, and turbot	Dr Luís Conceição
2:20 PM	Effects of artemia enrichment protocols and commercial microdiets on performance, mineral deposition, and deformity rate of butterfish (<i>odax pullus</i>)	Dr Flavio F Ribeiro
2:35 PM	Seaweed-enriched artificial broodstock diet improves post-settlement survival of a commercial sea urchin	Mr Rick Verkooijen
2:50 PM	Polychaetes as de novo sources of essential fatty acids	Dr Óscar Monroig
3:05 PM	Effects of incorporating marine-derived waste stream extracts in lumpfish (<i>cyclopterus lumpus</i>) diets on growth, tissue lipid composition and gene expression	Dr Chris Parrish
3:20 PM	The effect of crude protein level and microbial biomass supplementation in Australian hybrid abalone (<i>haliotis rubra</i> × <i>haliotis laevis</i>) diets	Ms Chethana Tissera
3:35 PM	Session 4 concludes	
3:40 PM	AFTERNOON TEA — Hall 2	
Poster Session — Hall 2		
4:10 PM	Poster Session — Presenters in Sessions 1, 2, 3, 4	
5:10 PM	FORMALITIES END	
May 19		
Evening: Exclusive Sunset Cruise		
5:15 PM	Delegates to walk to Dock 3 for Sunset Tour (10 mins walk – 750m)	
5:30 PM	Exclusive Sunset Cruise with Captain's Deck (2.5 hrs) – No wristband, no entry.	
8:00 PM	Sunset Tour Concludes	



Wednesday, 20 May 2026

Day 2

Darwin Convention Centre · Larrakia Country, NT Australia

TIME	ACTIVITY / SESSION	PRESENTER
7:30 AM	REGISTRATION DESK OPEN	
8:20 AM	FORMALITIES START — Auditorium 2	
	Announcements & Keynote Introduction	Dr Cedric Simon
8:25 AM	Keynote 3: Latest Innovation in Ingredient and Feed Technologies	Dr Thea Morken
8:55 AM	Session Sponsor Announcement	Prof Kevin Fitzsimmons, Future of Fish Feed — F3
May 20		
Session 5: Circular Raw Materials 2		
9:00 AM	Chair Introduction	Dr Basseer Codabaccus, UTAS Dr Min Xue, Institute of Feed Research CAAS
9:05 AM	Embracing a low-carbon future by the production and marketing of C1 gas protein in aquaculture	A/Prof Jie Wang
9:20 AM	Single-celled organism products as multifunctional feed ingredients for health and growth of farmed Atlantic salmon (<i>Salmo salar</i>)	Prof Stefanie Colombo
9:35 AM	Next-generation proteins: Unlocking the potential of microbial meals for sustainable barramundi aquaculture	Dr Reaz Chaklader
9:50 AM	Assessing a low-fishmeal organic diet in gilthead seabream (<i>sparus aurata</i>): Comparative responses across two genetic lines	Prof Luca Parma
10:05 AM	Dietary Black Soldier Fly Larvae Meal Supplementation Improves Growth Performance of <i>Megalobrama amblycephala</i> by Remodeling Intestinal Energy Metabolism	Dr Linghong Miao
10:20 AM	Utilisation of insect meals in Australasian snapper (<i>Chrysophrys auratus</i>) and chinook salmon (<i>Oncorhynchus tshawytscha</i>) aquafeeds produced in New Zealand	Dr Leonardo Magnoni
10:35 AM	Session 5 concludes	
10:40 AM	MORNING TEA — Hall 2	
May 20		
Session 6: Feed Additives 1		
11:10 AM	Chair Introduction	Dr Artur Rombenso, CSIRO A/Prof Stefanie Colombo, Dalhousie University
11:15 AM	A meta-analytical review of protease uses in aquafeed: a novel perspective	Dr Kabir Chowdhury

11:30 AM	Optimizing Shrimp Nutrition with An Omega-3 Rich Algal Oil: Improvements on Growth, Robustness and Fatty Acid Deposition in <i>Litopenaeus Vannamei</i>	Mr Robert Redman
11:45 AM	Performance and economic impact of a marine peptide concentrate in mediterranean marine finfish feeds	Dr Guillermo Bardera
12:00 PM	Effects of <i>quillaja saponaria</i> extract on salmonids growth performance, survival rate and immune response	Dr Diego Gonzalez Morgado
12:15 PM	Enzymatic supplementation in Nile tilapia diets: pre- and post-extrusion enzyme stability and post-extrusion impacts on growth and digestibility	Prof Débora Fracalossi
12:30 PM	Astaxanthin outperforms apo-ester in enhancing yellow colouration of giant grouper, <i>epinephelus lanceolatus</i>	Ms Yasmina Asih
12:45 PM	Session 6 concludes	
12:50 PM	LUNCH — Hall 2	
May 20 Session 7: New Technologies and Methods		
2:00 PM	Chair Introduction	Dr Cedric Simon, CSIRO Dr Erik-Jan Lock, Nofima
2:05 PM	Immune-microbiota insights in European seabass: A 3D in vitro model for aquaculture nutrition	Dr Pedro Costa
2:20 PM	Modelling leaky gut in rainbow trout: In vitro system for inducing standardized epithelial damage and studying recovery capabilities	Dr Nicole Verdile
2:35 PM	Beyond Diet: Integrating Environmental and Management Factors Affecting Fish Fatty Acid Composition	Mr Yifan Qian
2:50 PM	Biosynthesis of the carotenoid, astaxanthin, in transgenic black soldier flies (<i>Hermetia illucens</i>)	Mr Justin McNab
3:05 PM	Overcoming challenges in implementing novel feed ingredients: insights from clover usage on pellet quality	Mr Carl Dolgow
3:20 PM	Discrete element modelling of an auger-based lobster micro feed pellet dispenser	Dr Alan Henderson
3:35 PM	Session 7 concludes	
3:40 PM	AFTERNOON TEA — Hall 2	
Poster Session — Hall 2		
4:10 PM	Poster Session — Presenters in Sessions 5, 6, 7	
5:10 PM	FORMALITIES END	
May 20 Evening: Conference Dinner — Mindil Beach		
5:30 PM	Bus departs Darwin Convention Centre to Mindil Beach Casino Resort (next bus after 30 mins)	
6:00 PM	CONFERENCE DINNER STARTS	
09:30 PM	Bus departs Mindil Beach Casino Resort to hotels (next bus after 45 mins)	

Thursday, 21 May 2026

Day 3 - Final Day

Darwin Convention Centre · Larrakia Country, NT Australia

TIME	ACTIVITY / SESSION	PRESENTER
7:30 AM	REGISTRATION DESK OPEN	
8:20 AM	FORMALITIES START — Auditorium 2	
	Announcements & Keynote Introduction	Dr Cedric Simon
8:25 AM	Keynote 4: From Feed to Fork: Lessons Learned from Beef	Assoc Prof Beth Penrose
8:55 AM	Announcement	
May 21	Session 8: Feed Additives 2	
9:00 AM	Chair Introduction	Dr Ha Truong, CSIRO Dr Shuichi Satoh, Fukui Prefectural University
9:05 AM	Optimizing vitamin D homeostasis to support fish performance across evolving aquaculture systems	Dr Sebastien Rider
9:20 AM	Effect of dietary vitamin B5 supplementation on energy fortification of atlantic salmon (<i>salmo salar L.</i>)	Dr Beichen Yang
9:35 AM	Dietary betaine improves growth performance and modulates intestinal function and hepatic lipid deposition in barramundi at low water temperatures	Mr Zhijie Shi
9:50 AM	Antioxidant protection by dietary grape seed <i>proanthocyanidins</i> in farmed atlantic salmon under handling stress	Dr Katerina Kousoulaki
10:05 AM	Long-term comparison of green, red macroalgae extracts and β -glucans on the disease resistance, gills integrity, and growth of rainbow trout	Dr Ngoc Tran Tiet
10:20 AM	Harnessing Bioactive Microalgae for Aquaculture: Composition and Functional Evaluation in Murray Cod (<i>Maccullochella peelii</i>) Diets	Mr Justin Tierney
10:35 AM	Session 8 concludes	
10:40 AM	MORNING TEA — Hall 2	
May 21	Session 9: Nutrition for Health	
11:10 AM	Chair Introduction	A/Prof Leo Nakervis, JCU Dr Jorge Pavez, DSM
11:15 AM	Osmotic imbalance as a factor for winter-induced skin health challenges in Atlantic salmon (<i>Salmo Salar</i>)	Mrs Sahar Sartipi Yarahmadi
11:30 AM	Postprandial Variation of Plasma Redox Markers in <i>Oncorhynchus mykiss</i> Fed Diets with Oxidized and Non oxidized Lipid Sources: acute response	Dr Jurij Wacyk

11:45 AM	Trade-offs between pellet quality and fish health: starch inclusion in giant grouper (<i>epinephelus lanceolatus</i>) diets	Ms Lam Thi Le
12:00 PM	Dietary mitigation of <i>vibrio parahaemolyticus</i> toxins in shrimp: molecular characterization and functional adsorption	Dr Roy Rosen
12:15 PM	Krill meal as a functional nutritional strategy to mitigate ehp infection in pacific white shrimp	Dr Daranee Seguin
12:30 PM	Oxidized Fish Oil Induces Hepatopancreatic Metabolic Dysfunction in Macrobrachium <i>rosenbergii</i> via a Gut Microbiota-Mitochondrial Autophagy Axis: Intervention with <i>Lysinibacillus</i>	Dr Cunxin Sun
12:45 PM	Session 9 concludes	
12:50 PM	LUNCH — Hall 2	
May 21	Session 10: Nutrition in Suboptimal Environments	
2:00 PM	Chair Introduction	Prof Dave Francis, Deakin University · Prof Alessio Bonaldo, University of Bologna
2:05 PM	Cumulative impact of suboptimum temperature and low dissolved oxygen on the production biology of large tasmanian seawater atlantic salmon	Ms Atshaya Sundararajan
2:20 PM	When waters heat and oxygen drops: proteomic adaptation in atlantic salmon brain	Mr Manojkumar Chandraprakasham
2:35 PM	Reassessing assumed performance responses to elevated temperature in atlantic salmon	Dr Matthew Jago
2:50 PM	Functional nutrition as a climate adaptation strategy: krill meal enhances thermal and hypoxia resilience in rainbow trout	Dr Kiran Kaur
3:05 PM	Olive extract as a circular bioeconomy solution to enhance performance and resilience of <i>penaeus vannamei</i>	Dr Sofia Morais
3:20 PM	Integrated mechanistic and nutritional approaches to enhance cold tolerance in pacific white shrimp	Prof Chaoxia Ye
May 21	Seafood Quality Mini Session	
3:40 PM	Plant versus animal protein sources in diet affect muscle quality and flavor of <i>procambarus clarkii</i> via the gut-muscle axis	Prof Bo Liu
3:55 PM	Shrimp for health: Improved nutritional quality of farmed shrimp for human consumption	Dr Daniel Lemos
4:10 PM	AFTERNOON TEA — Hall 2	
	Poster Session — Hall 2	
4:40 PM	Poster Session — Presenters in Sessions 8, 9, 10	
5:30 PM	Conference Awards & Announcement of Next ISFNF	
6:00 PM	CONFERENCE CONCLUDES - Thank you for joining ISFNF 2026!	