

QUALIFICATIONS

MSc, BSc (Hons). Aquaculture and Fisheries Management, University of Stirling, Scotland

Diplom Agrar-Ingenieur, equivalent to BSc (Hons) in International Agriculture, Faculty of International Agriculture, University of Kassel, Germany



PROFESSIONAL AFFILIATIONS

Stirling Aquaculture Society, University of Stirling, Scotland

New Zealand Oyster Farmers Association – Member of Executive.

- Research into flat oyster breeding & grow-out
- Leading research into overcoming OsHV-1-induced problems with oyster larval rearing and spat production

ROLE AT CAWTHRON

Manager of Cawthron's Shellfish Hatchery; Research and Consulting in aquaculture, especially bivalve shellfish: hatchery and nursery technology, selective breeding, hatchery technology to manage OsHV, triploid (3N) induction, pond aquaculture; innovative grow-out technology for oysters (TOPS "Traceable Oysters Production System").

SELECTED PUBLICATIONS

Janke AR, King N 2010. Update on Cawthron's oyster selective breeding and triploid programme. Talk presented at New Zealand Oyster Farmers Association, Taipa Bay, New Zealand.

Adams SL, Smith JF, Tervit HR, McGowan LT, Roberts RD, **Janke AR**, King NG, Gale SL, Webb SC. 2010. Cryopreservation of Molluscan Sperm: Oyster (*Crassostrea gigas*, Thunberg), Mussel (*Perna canaliculus*) and Abalone (*Haliotis iris*). Cryopreservation of aquatic species Ed Tierch

Janke A, Pilcher O, Mae H 2009. Cawthron programme. Talk presented at New Zealand Oyster Farmers Association, Paihia, New Zealand.

Adams SL, Smith JF, Roberts RA, **Janke AR**, King NG, Tervit HR, Webb SC 2008. The application of sperm cryopreservation in selective breeding of the Pacific oyster (*Crassostrea gigas*). Aquaculture Research 39:1434-1442.

Janke AR, King N 2008. Update on Cawthron's oyster programme; Talk presented at New Zealand Oyster Farmers Association, Snells Beach, New Zealand.

King N, **Janke A** 2006. Selective Breeding of the Pacific Oyster *Crassostrea gigas* in New Zealand. Talk presented at the Austasian Aquaculture Conference, Adelaide, Australia.

Janke A, King N, Roberts R, Kaspar H 2005. Update on Cawthron's Oyster programme – Four seasons Oysters. Talk presented at New Zealand Oyster Farmers Association, Bay of Islands, New Zealand.

SPECIAL INTERESTS & ACHIEVEMENTS

- Managing hatchery production of Pacific oyster spat, selective breeding, research into solutions for OsHV-1-related larval rearing and broodstock conditioning
- New method for Triploid (3N) induction in oysters; application of Cawthron's Ultra Density Larval Rearing System (CUDLS)
- Pond-nursery production of spat; development of the TOPS grow-out system for sub-tidal and inter-tidal
- Establishment of the Glenhaven Aquaculture Centre, a world-class facility for shellfish selective breeding, biotechnology research, commercial production of spat, industry collaboration and training
- Support to New Zealand oyster industry in its efforts of transformation from traditional to more efficient single-seed production systems based on selectively-bred triploid (3N) oysters
- Leading New Zealand's Pacific oyster selective breeding & triploid (3N) programme