

## QUALIFICATIONS

Diploma (Biology), Swiss Federal Institute of Technology, Zurich, 1973

Ph.D. (Microbiology), Swiss Federal Institute of Technology, Zurich, 1977

Certificate in Supervisory Management, NZIM, 1989



## PROFESSIONAL AFFILIATIONS

World Aquaculture Society

## ROLE AT CAWTHRON

A senior scientist with over 20 years experience in R&D management, Henry is involved in several research projects that have a microbial ecology or bioprocess engineering component. He develops new projects and mentors the younger team members. He is a key Cawthron contact person for the aquaculture industry and for other science providers.

With a background in microbial ecology and applied microbiology Henry has significant technical input into Cawthron's shellfish research programme, and he plays a major role in the strategic planning of Cawthron's activities.

## SPECIAL INTERESTS & ACHIEVEMENTS

- Royal Society of New Zealand Special President's Award in 2010 for "Research-based innovation for industry"
- NZ Science and Technology Silver Medal in 2001 for his contribution to the advancement of science in the field of aquaculture
- Initiation of Cawthron's successful activities in aquaculture, marine biosecurity, shellfish biotoxin management
- Initiation of the world's first full-scale mussel selective breeding programme
- Delivery of appropriate science for real problems and opportunities
- Cawthron's close relationship with end users and stakeholders
- Application of simple biological principles at the interface between scientific and technological disciplines
- Contribution to the world's most sophisticated shellfish industry

## SELECTED PUBLICATIONS

Kesarcodi-Watson A, **Kaspar H**, Lategan MJ, Gibson L 2009. Challenge of New Zealand Greenshell (TM) mussel *Perna canaliculus* larvae using two *Vibrio* pathogens: a hatchery study. *Diseases of Aquatic Organisms* 86: 15-20.

Kesarcodi-Watson A, **Kaspar H**, Lategan MJ, Gibson L 2008. Probiotics in aquaculture: the need, principles and mechanisms of action and screening processes. *Aquaculture* 274: 1-14

Roberts RD, **Kaspar HF**, Barker RJB 2004. Settlement of abalone (*Haliotis iris*) larvae in response to five species of coralline algae. *J. Shellfish Research* 23:975-987.

King NG, Janke AR, **HF Kaspar** 2004. New Zealand oyster-breeding program seeks genetic improvements. *Global Aquaculture Advocate* 7:59-60.

Mountfort DO, **Kaspar HF**, Asher RA, Sutherland D 2003. Influences of pond geochemistry, temperature, and freeze-thaw on terminal anaerobic processes occurring in sediments of six ponds of the McMurdo ice shelf, near Bratina Island, Antarctica. *Appl. Environ. Microbiol.* 69: 583-592.

Adams SL, Smith JF, Roberts RD, Janke AR, **Kaspar HF**, Tervit HR, Pugh PA, Webb SC, King NG 2001. Cryopreservation of sperm of the Pacific oyster (*Crassostrea gigas*): development of a practical method for commercial spat production. *Aquaculture* 242: 271-282.

Smith JF, Pugh PA, Tervit HR, Roberts RD, Janke AR, **Kaspar HF**, Adams SL 2001. Cryopreservation of shellfish sperm, eggs and embryos. *Proceedings of the New Zealand Society of Animal Production* 61: 31-34.

**Kaspar HF** 2001. Animal production research for the shellfish aquaculture industry. *Proceedings of the New Zealand Society of Animal Production* 61:28-30.

Morohashi A, Satake M, Naoki H, **Kaspar HF**, Oshima Y, Yasumoto T 1999. Brevetoxin B4 isolated from greenshell mussels *Perna canaliculus*, the major toxin involved in neurotoxic shellfish poisoning in New Zealand. *Natural Toxins* 7:45-48.