เอกสารอ้างอิง

พจมาน เชยเดช. 2549. **การศึกษาคุณภาพกุ้งขาวแวนนาไม (*Litopenaeus vannamei*) ที่เลี้ยงด้วยน้ำความเค็มต่ำในสภาวะการเลี้ยงที่แตกต่างกัน.** วิทยานิพนธ์ปริญญาโท, มหาวิทยาลัย เกษตรศาสตร์.

สมชาย หวังวิบูลย์กิจ. 2551. ปัจจัยที่มีผลต่อการเจริญเติบโตของสาหร่ายสีเขียวแกมน้ำเงิน *Oscillatoria* sp. และ *Microcystis* sp. และความสัมพันธ์ของปริมาณสาหร่ายต่อกลิ่นโคลนในกุ้งขาวแวนนาไม *(Litopenaeus vannamei)* ในบ่อเลี้ยง. วิทยานิพนธ์ปริญญาเอก. มหาวิทยาลัยเกษตรศาสตร์. 110 หน้า.

APHA, AWWA and WPCF. 1995. **Standard Methods for the Examiantion of Water and Wastewater 19th ed.** American Public Health Association. Washington, DC.

Bao, M.L., K Barbieri, D. Burrini, O. Griffini and F. Pantini. 1997. Determination of trace levels of taste and odor compounds in water by microextraction and gas chromatography ion trap detection mass spectrometry. **Wat. Res.** 31:1719-1722.

Boyd, C. E. 1995. **Bottom Soils, Sediment, and Pond Aquaculture.** Chapman and Hall, New York.

Boyd, C.E. and P. Munsiri. 1996. **Phosphorus absorbtion capacity as an index of phosphorus status in soils of aquaculture areas of Thailand.** pp. 45-46. In R.L., Creswell, ed. **World Aquaculture'96 Book of Abstracts.** Department of Fisheries and the Chulabhorn Research Institute. Bangkok.

Davies, J.M., M. Roxborough and A. Mazumder. 2004. Origins and implications of drinking water odours in lakes and reservoirs of British Columbia, Canada. **Wat. Res.** 38: 1900-1910.

Durrer, M., U. Zimmemann and F. Juttner. 1999. Dissolved and particle-bound geosmin in a mesotrophic lake (lake Zurich): spatial and seasonal distribution and the effect of grazers. **Wat. Res.** 33(17):3628-3636.

Farmer, L.J., J.M. McConnell, T.D.J. Hagan and D.B. Harper. 1995. Favor and off-flavor in wild and farmed Atlantic salmon from locations around Northern Ireland. **Wat. Sci. Technol.** 31:259-264.

Funge-Smith, S.J. and M.R.P.Briggs. 1998. Nutrient budgets intensive shrimp ponds: implications for sustainability. **Aquaculture** 164:117-133.

Havens, K.E., R.T. Jame, T.L. East and V. H. Smith. 2003. N:P ratios, light limitation, and cyanobacterial dominance in a subtropical lake impacted by non-point source nutrient pollution. **Envi. Poll.** 122:379-390.

Hillebrand, H. and M. Kahlert. 2002. Effect of grazing and water column nutrient supply on biomass and nutrient content of sediment microalgae. **Aqua. Bot.** 72:143-159.

Hu, T.L. and P.C. Chiang, 1996. Odorous compounds from a cyanobacterium in a water purification plant in central Taiwan. **Wat. Res.** 30(10):2522-2525.

Jones, G.J. and W. Wolfgang. 1995. In situ production of volatile odour compounds by river and reservoir phytoplankton populations in Australia. **Wat. Sci. Tech.** 31(11):145-151.

Krom, M.D. and A. Neori. 1989. A total nutrient budget for an experimental intensive fish pond with circularly moving seawater. **Aquaculture** 83:345-358.

Lloyd, S.W., J.M. Lea, P.V. Zimba and C.C. Grimm. 1998. Rapid analysis of geosmin and 2-methylisoborneol in water using solid phase micro extraction procedures. **Wat. Res.** 32(7):2140-2146.

Lorio, W.J., P.W. Perschbacher and P.B. Johnsen. 1992. Relationship between water quality, phytoplankton community and off-flavors in channel catfish (*Ictalurus punctatus*) production ponds. **Aquaculture** 106:285-292.

Lovell, R. T. and D. Broce. 1985. Cause of musty flavor in pond-cultured penaeid shrimp. **Aquaculture** 50(1-2):169-174.

Martin, J.F. 1992. The use of sodium carbonate peroxyhydrate to treat off-flavor in commercial catfish ponds. **Wat. Sci. Technol.** 25:315-321.

Nakamura, S. and S. Daishima. 2005. Simultaneous determination of 22 volatile organic compounds, methyl-*tert*-butyl ether, 1,4-dioxane, 2 methylisoborneol and geosmin in water by headspace solid phase microextraction-gas chromatography-mass spectrometry. **Analytica Chimica Acta.** 548:79-85.

Nilsson T., T.O. Larsen, L. Montanarella and J. Mades. 1996. Application of head-space solid-phase microextraction for the analysis of volatile metabolites emitted by *Penicillium* species. **J. Micro. Meth.** 25: 245-255.

Palmentier, F.P., V.Y.Taguchi, S.W.D.Jenkins, D.T. Wang, K.Ngo and D.Robinson. 1998. The determination of geosmin and 2-methylisoborneol in water using isotope dilution high resolution mass spectrometry. **Wat. Res.** 32 (2):287-294.

Pillay, T.V.R. 1992. **Aquaculture and the Environment.** John Wiley & Sons Inc., New York.

Robertson, R.F., A. Hammondb, K. Jaunceyb, M.C.M. Beveridgec and L.A. Lawton. 2006. An investigation into the occurrence of geosmin responsible for earthy–musty taints in UK farmed rainbow trout, *Onchorhynchus mykiss*. **Aquaculture** 259:153-163.

Robertson, R.F., K. Jauncey, M.C.M. Beveride and L.A. Lawton. 2005. Depuration rates and the sensory threshold concentration of geosmin responsible for earthy-musty taint in rainbow trout, *Onchorhynchus mykiss*. **Aquaculture** 245:89-99.

Robin, J., J. Cravedi, A. Hillenweck, C.Deshayes and D. Vallod. 2006. Off flavor characterization and origin in French trout farming. **Aquaculture** 260:128-138.

Saadoun, I.M.K., K.S. Schrader, and W.T. Blevins. 2001. Environmental and nutritional factors affecting geosmin synthesis by *Anabaena* sp. **Wat. Res.** 35(5):1209-1218.

Saha, K.S., L Uma and G. Subramanian. 2003. Nitrogen stress induced changes in the msrine cyanobacterium *Oscillatoria willei* BDU 130511. **FEMS Micro. Ecol.** 45:263-272.

Saito, A., T. Tokuyama, A. Tanaka, T. Oritani and K. Fuchigami. 1999. Microbiological degradation of (-)-geosmin. **Wat. Res.** 33(13):3033-3036.

Schrader, K.K., M.Q. Regt, P.D. Tidwell, C.S. Tucker and S.O. Duke. 1998. Compounds with selectve toxicity towards the off-flavor metabolite-producing cyanobacterium Oscillatoria cf. chalybea. **Aquaculture** 163:85-99.

Silva, J.L., R.A. Bazemore and T. Kim. 2002. **Influence of physical and chemical intervention methods on geosmin and 2-MIB in channel catfish flesh.** http://www.ift.confex.com/ift/2002/techprogram/paper_14423.htm, December 2003.

Spiteller, D., A. Jux, J. Piel and W. Boland. 2002. Feeding of [5,5-2H2]-1-desoxy-d-xylulose and [4,4,6,6,6-2H5]-mevalolactone to a geosmin-producing *Streptomyces* sp. and *Fossombronia pusilla*. **Phytochem.** 61:827–834.

Sugiura, N., N. Iwami, Y. Inamori, O. Nishimura and T. Sudo. 1998. Significance of Attached Cyanobacteria relevant to the occurrence of musty odor in lake Kasumigaura. **Wat. Res.** 32(12):3549-3554.

Sunesson, A., C. Nilsson and B. Andersson. 1995. Evaluation of adsorbents for sampling and quantitative analysis of microbial volatiles using thermal desorption-gas chromatography. **J. Chromatography A** 699:203-214.

Sung, Y., T. Li and S. Huang. 2005. Analysis of earthy and musty odors in water samples by solid-phase microextraction coupled with gas chromatography/ion trap mass spectrometry. **Talanta** 65:518-524.

Tucker, C.S. and M. Ploeg. 1999. **Managing off-flavor problems in pond-raised catfish.** SRAC Publication No. 192. Mississippi State University. Netherlands.

Walker H.L. and L.R. Higginbotham. 2000. An aquatic bacterium that lyces cyanobacteria associated with off-flavor of channel catfish (*Ictalurus punctatus*). **Biol. Cont.** 18:71-78.

Watson, S.B., B. Brownlee, T. Satchwill and E.E. Hargesheimer. 2000. Quantitative analysis of trace levels of geosmin and MIB in source and drinking water using headspace SPME. **Wat. Res.** 34(10):2818-2828.

Xie, L.Q., P. Xie and H.J. Tang. 2003a. Enhancement of dissolved phosphorus release from sediment to lake water by *Microcystis* blooms an enclosure experiment in a hyper-eutrophic, subtropical Chinese lake. **Envi. Poll.** 122:391-399.

Xie, L., P, Xie, S. Li, H. Tang and H. LiU. 2003b. The low TN:TP ratio, a cause or a result of *Microcystis* blooms?. **Wat. Res.** 37:2073-2080.

Yusoff, F.M., H.B. Matias, Z.A. Khalid and S. Phang. 2001. Culture of microalgae using interstitial water extracted from shrimp pond bottom sediments. **Aquaculture** 201:263-270.

Zander, A.K. and P. Pingert. 1997. Membrane-based extraction for detection of tastes and odors in water. **Wat. Res.** 31:301-109.

Zhu, M., F.J. Aviles, E.D. Conte, D.W.Miller and P.W. Perschbacher. 1999. Microwave mediated distillation with solid-phase microextration: determination of off-flavor, geosmin and methylisoborneol, in catfish tissue. **J. Chrom. A** 833:223-230.

Zhang, L., R. Hu and Z. Yang. 2005. Simultaneous pictogram determination of "earthy-musty" odorous compounds in water using solid-phase microextraction and gas chromatography-mass spectrometry coupled with initial cool programmable temperature vaporizer inlet. **J. Chrom. A** 1098:7-13.

Zhang, L., R. Hu and Z. Yang. 2006. Routine analysis of off-flavor compounds in water at sub-part-trillion level by large-volume injection GC/MS with programmable temperature vaporizing inlet. **Wat. Res.** 40:699-709.

Zimba, P.V. and C.C. Grimm. 2003. A synoptic survey of musty/muddy odor metabolites and microcystin toxin occurrence and concentration in southeasthern USA channel catfish (*Ictalurus punctatus* Ralfinesque) production ponds. **Aquaculture** 218(1-4):81-87.