

เอกสารและสิ่งอ้างอิง

- กรมประมง. 2543. การเลี้ยงกุ้งก้ามกราม. กรุงเทพมหานคร: โรงพิมพ์ชุมนุมสหกรณ์การเกษตรแห่งประเทศไทย.
- _____. 2545ก. สรุปข้อมูลประมาณการปริมาณสัตว์น้ำ ปี 2545, กลุ่มวิจัยและวิเคราะห์สถิติการประมง, ศูนย์สารสนเทศ กรมประมง กระทรวงเกษตรและสหกรณ์.
- _____. 2545ข. กุ้งก้ามกราม. บทความการเพาะเลี้ยงกุ้ง กุ้ง. แหล่งที่มา: <http://www.nicaonline.com>, วันที่ 21 มีนาคม 2551.
- _____. 2548. สถิติการประมงแห่งประเทศไทย พ.ศ. 2546. 91 น.
- วรวิฑูรี เกิดปราง. 2537. การเหนี่ยวนำให้เกิดทรูปลอยต์ในปลาตะเพียนขาวด้วยความเย็น และการเปรียบเทียบการเจริญเติบโตและลักษณะอื่น ๆ ของปลาที่เป็นดิฟลอยต์และทรูปลอยต์. วิทยานิพนธ์ปริญญาโท. มหาวิทยาลัยเกษตรศาสตร์, กรุงเทพฯ. 86 น.
- วิกรม รังสินธุ์. 2549. กายวิภาคของกุ้งก้ามกรามและการผลิตกุ้งเพศผู้ล้วน โดยการทำลายต่อมแอนโดรเจนิก. เอกสารเผยแพร่ของโครงการการประยุกต์ใช้พันธุศาสตร์และเทคโนโลยีชีวภาพเพื่อการพัฒนาการเพาะเลี้ยงสัตว์น้ำอย่างยั่งยืน (เมธีวิจัยอาวุโส สกว 2546-ศาสตราจารย์ อุทัยรัตน์ ณ นคร). มหาวิทยาลัยเกษตรศาสตร์, กรุงเทพฯ. 35 น.
- สถาบันอาหาร. 2006. กุ้งก้ามกราม. ฐานข้อมูลสถิติการนำเข้า-ส่งออก. แหล่งที่มา: http://www.nfi.or.th/import_export/main_im_ex.asp, วันที่ 24 กรกฎาคม 2549.
- อุทัยรัตน์ ณ นคร. 2543. พันธุศาสตร์สัตว์น้ำ. ภาควิชาเพาะเลี้ยงสัตว์น้ำ, คณะประมง, มหาวิทยาลัยเกษตรศาสตร์. กรุงเทพฯ. 203 น.

อำพน พงศ์สุวรรณ, ไพโรจน์ พรหมานนท์ และ ทรงชัย สหวัชรินทร์. 2510. การศึกษาชีวประวัติเบื้องต้นของกุ้งก้ามกราม ในทะเลสาบสงขลา, รายงานประจำปี สถานีประมงทะเลจังหวัดสงขลา 2509-2510. กรมประมง, กรุงเทพฯ. 145-173 น.

Allen, Jr.S.K., S. Gagnon and H. Hida. 1982. Triploidy induction in the soft-shell clam: cytological and allozymic confirmation. **Journal of Heredity** 73: 421-428.

Aquacop, L.C., A. Diter. 1993. Induction of polyploidy nauplii in *Penaeus indicus*. **Aquaculture** 111: 315.

Axxora. 2006. **Cytochalasin B**. ALX-380-012. Available Source :
http://www.axxora.com/cytoskeletal_research-ALX-350-053/opfa.1.1.ALX-350-053.49.4.1.html, February 9, 2006.

Bao, Z., Q. Zhang and H. Wang. 1993. Studies on triploid induction in *Penaeus orientalis* II CB treatment. **Acta Oceanologica Sinica** 15(3): 101-105.

_____, _____, _____ and J. Dai. 1994. Cytochalasin Binduced triploidy in *Penaeus chinensis*. **Acta Oceanologica Sinica** 13: 261-267.

Barki, A., I. Karplus and M. Goren. 1991. The agonistic behaviour of the three male morphotypes of the freshwater prawn *Macrobrachium rosenbergii* (Crustacea, Palaemonidae). **Behaviour** 116 (3-4): 252-277.

Beck, M.L. and C.J. Biggers. 1983. Erythrocyte measurements of diploid and triploid *Ctenopharyngodon idella* x *Hypophthalmichthys nobilis* hybrids. **J. Fish Biol.** 22: 497-502.

- Carter, S.B. 1967. Effects of cytochalasin on mammalian cells. **Nature** 213: 261-264.
- Cassani, J.R. and W.E. Caton. 1985. Induced triploidy in grass carp, *Ctenopharyngodon idella* Val. **Aquaculture** 46: 37-44.
- Cha'vez Justo, C., M. Murofushi, K. Aida and I. Hanyu. 1991. Karyological studies on the freshwater prawn *Macrobrachium rosenbergii*. **Aquaculture** 97: 327-334.
- Chen, T.R. and A.W. Ebeling. 1968. Karyological evidence of female heterogamety in the mosquito fish, *Gambusia affinis*. **Copeia**. 1: 70-75.
- Chourrout, D., B. Chevassus, F. Krieg, A. Happe, G. Burger and P. Renard. 1986. Production of second generation triploid and tetraploid เณร โยวีเฑรเฑรเฑ by mating tetraploid males and diploid females-potential of tetraploid fish. **Theoretical and Applied Genetics** 72 (2): 193-206.
- Cimino, M.C. 1973. Karyotypes and erythrocyte sizes of some diploid and triploid fishes of the genus *Poeciliopsis*. **J. Fish. Res. Board Can.** 30: 1736-1737.
- Cooper, K. and X. Guo. 1989. Polyploid Pacific oyster produced by inhibiting polar body I and II with cytochalasin B. **J. Shellfish Res.** 8 (2): 412.
- Dai J., Z. Bao, Q. Zhang and J. Liu. 1993. An observation of gynogenesis induced by $^{49}\text{Co}_\gamma$ rays in Chinese prawn *Penaeus chinensis*. **Journal of Ocean of the University of Qingdao** 23: 151-155.
- Damrongphol, P., N. Eangchuan and B. Poolsanguan. 1990. Simple *in vitro* culture of embryos of the giant freshwater prawn (*Macrobrachium rosenbergii*). **J. Sci. Soc. Thailand** 16: 17-24.

- _____, _____, _____. 1991. Chromosome behavior upon fertilization in eggs of the giant freshwater prawn, *Macrobrachium rosenbergii* (De Man). **Invertebrate Reproduction and Development** 19 (1): 45-49.
- _____ and P. Jaroensastraraks. 2001. Polyploid mosaics induced by temperature shocks in the giant freshwater prawns *Macrobrachium rosenbergii*. **Cytologia** 66: 167-171.
- Defendi, V. and M.G.P. Stoker. 1973. General polyploidy produced by cytochalasin B. **Nature** 242: 24-26.
- Desrosiers, R.R., A. Gerard, J.-M. Peignon, Y. Naciri, L. Dufresne, J. Morasse, C. Ledu, P. Phelipot, P. Guerrier and F. Dube. 1993. A novel method to produce triploids in bivalve mulluscs by the use of 6-dimethylaminopurine. **J. Exp. Mar. Biol. Ecol.** 170(1): 29-43.
- Downing, S.L., S.K. Allen, Jr. and J.H. Beattie. 1985. Triploidy induced in the Pacific oyster by means of cytochalasin B. **Journal of Shellfish Research** 5: 51p.
- _____, _____. 1987. Induced triploidy in the Pacific oyster, *Crassostrea gigas*: optimal treatments with Cytochalasin B depend on temperature. **Aquaculture** 61: 1-15.
- Dube, P., J.M. Blanc, M. Chauinard and J. De la Noue. 1991. Triploidy induced by heat shock in brook trout (*Salvelinus fontinalis*). **Aquaculture** 92: 305-311.
- Dufy, C. and A. Diter. 1990. Polyploidy in the Manila clam *Ruditapes philippinarum*: chemical induction and larval performance of triploids. **Aquatic Living Resources** 3: 55-60.
- Dumas, S. and R. Campos-Ramos. 1999. Triploidy induction in the Pacific white shrimp *Litopenaeus vannamei* (Boone). **Aquaculture Research** 30: 621-624.

- Felip, A., S. Zanuy, M. Carrillo and F. Piferrer. 1999. Growth and gonadal development in triploid sea bass (*Dicentrarchus labrax* L.) during the first two years of age. **Aquaculture** 173: 389–399.
- Gendreau, S. and H. Grizel. 1990. Induced triploidy and tetraploidy in the European flat oyster, *Ostrea edulis* L. **Aquaculture** 90: 229-238.
- Gerard, A., Y. Naciri, C. Noiret, C. Ledu, J.-M. Peignon and P. Phelipot. 1994a. Induced triploidy in the European clam, *Ruditapes decussatus* (L.), and performance of triploid larvae. **Aquac. Fish. Manage.** 25 (8): 769–779.
- _____, _____, J.M. Peignon, C. Ledu and P. Phelipot. 1994b. Optimization of triploid induction by the use of 6-DMAP for the oyster *Crassostrea gigas* (Thunberg). **Aquac. Fish. Manage.** 25 (7): 709–720.
- _____, C. Ledu, P. Phelipot and Y. Nacin. 1999. The induction of MI and MII triploids in the Pacific oyster *Crassostrea gigas* with 6-DMAP or CB. **Aquaculture** 174: 229–242.
- Guo, X. and S.K. Allen, Jr. 1994. Viable tetraploids in the Pacific oyster (*Crassostrea gigas* Thunberg) produced by inhibiting polar body I in eggs from triploids. **Molecular Marine Biology and Biotechnology** 3: 42–50.
- _____, G.A. DeBrosse and K.A. Standish. 1996. All-triploid Pacific oyster *Crassostrea gigas* (Thunberg) produced by mating tetraploids and diploids. **Aquaculture** 142 (3–4): 149–161.
- Hoehn, H., C.A. Sprague and G.M. Martin. 1973. Effects of Cytochalasin B on cultivated human diploid fibroblasts and its use for the isolation to tetraploid clones. **Exp. Cell Res.** 76: 170-174.

- Huayong, A. and S.K. Allen, Jr. 2002. Hybridisation of tetraploid and diploid *Crassostrea gigas* (Thunberg) with diploid *C. ariakensis* (Fujita). **Journal of Shellfish Research** 21 (1): 137–143.
- Johnson, O.W., W.L. Dickhoff and F.M. Utter. 1986. Comparative growth and development of diploid and triploid coho salmon, *Oncorhynchus kisutch*. **Aquaculture** 57: 329-336.
- Johnstone, R., R.M. Knott, A.G. Macdonald and M.V. Walsingham. 1989. Triploidy induction in recently fertilized Atlantic salmon ova using anaesthetics. **Aquaculture** 78: 229-236.
- Karplus, I., G. Hulata, D. Ovadia and R. Jaffe. 1992. Social control of growth in *Macrobrachium rosenbergii*. III. The role of claws in bull-runt interactions. **Aquaculture** 105: 281-296.
- Kavumpurath, S. and T.J. Pandian. 1992. Effects of induced triploidy on aggressive display in the fighting fish, *Betta splendens* Regan. **Aqua. And Fish. Manage.** 23: 281-290.
- Krishan, A. 1972. Cytochalasin-B: Time-lapse cinematographic studies on its effect on cytokinesis. **J. Cell Biol.** 54: 657-664.
- Lewis, J.R. 2000. **Sax's Dangerous Properties of Industrial Materials vol. 2.** 10th ed. John Wiley and Sons, Inc., New York.
- Li, F., L. Zhou and J. Xiang. 1999. Triploid induction with heat shock to *Penaeus chinensis* and its effects on gonad development, **Chinese Journal of Oceanology and Limnology** 17 (1): 57-61.
- _____, J. Xiang, X. Zhang, L. Zhou, C. Zhang and C. Wu. 2003a. Gonad development characteristics and sex ratio in triploid Chinese shrimp (*Fenneropenaeus chinensis*). **Marine Biotechnology** 5: 528-535.

- _____, _____, L. Zhou, C. Wu and X. Zhang. 2003b. Optimization of triploid induction by heat shocks in Chinese shrimp *Fenneropenaeus chinensis*. **Aquaculture** 219: 221-231.
- Lin, F. and N. Cai. 1996. Triploid induction in *Penaeus chinensis*. **Studia Marina Sinica/Haiyang Kexue Jikan** 37: 79-89.
- Liu, S., Y. Liu, G. Zhou, X. Zhang, C. Luo, H. Feng, X. He, G. Zhu and H. Yang. 2001. The formation of tetraploid stocks of red crucian carp×common carp hybrids as an effect of interspecific hybridisation. **Aquaculture** 192: 171–186.
- Liu, W., M. Heasman and R. Simpson. 2004. Induction and evaluation of triploidy in the Australian blacklip abalone, *Haliotis rubra*: a preliminary study. **Aquaculture** 233: 79-92.
- Longo, F.J. 1972. The effects of Cytochalasin B on the events of fertilization in the surf clam, *Spisula solidissima*. **Journal of Experimental Zoology** 182: 321-344.
- Lynn, J.W. and W.H. Clark, JR. 1983. A morphological examination of sperm-egg interaction in the Freshwater Prawn, *Macrobrachium rosenbergii*. **Biol. Bull.** 164: 446-458.
- Manush, S.M., A.K. Pal, T. Das and S.C. Mukherjee. 2006. The influence of temperatures ranging from 25 to 36°C on developmental rates, morphometrics and survival of freshwater prawn (*Macrobrachium rosenbergii*) embryos. **Aquaculture** 256: 529-536.
- Na-Nakorn, U. and E. Legrand. 1992. Induction of triploidy in *Puntius gonionotus* (Bleeker) by cold shock. Kasetsart Univ. **Fish Res. Bull.** 18: 10 p.
- Nanda, I., M. Schrtl, W. Fiechtinger, I. Schlupp, J. Parzefall and M. Schmid. 1995. Chromosomal evidence for laboratory synthesis of triploid hybrid between the gynogenetic teleost *Poecilia formosa* and its host species. **J. Fish Biol.** 47:619-623.

- Norris, B.J., F.E. Coman, M.J. Sellars and N.P. Preston. 2005. Triploid induction in *Penaeus japonicus* (Bate) with 6-dimethylaminopurine. **Aquaculture Research** 36: 202-206.
- Peaucellier, G., P. Guerrier and J. Bergerard. 1974. Effects of Cytochalasin B on meiosis and the development of fertilized and activated eggs of *Sabellaria alveolata* L. (Polychaete Annelid). **Journal of Embryology and Experimental Morphology** 31: 61-74.
- Qiu, G., N. Du and W. Lai. 1997. A preliminary study on induction of tetraploids in the freshwater prawn *Macrobrachium nipponense* by heat shock. **Journal of Fisheries of China** 21: 13-18.
- Roongratri, N. 1991. Induced triploidy in the short-necked clam, *Paphia undulate*. **Thai Fisheries Gazette** 44: 141-144.
- _____ and T. Youngvanichset. 1991. Triploidy induction in the mangrove oyster (*Crassostrea lugubris*) with cytochalasin B. **Thai Fisheries Gazette** 44: 223-227.
- Sellars, M., F. Coman, B. Norris and N. Preston. 2003. Relative survival and growth rates of triploid and diploid female *Penaeus japonicus*. **World Aquaculture Society Book of Abstracts**, pp. 713.
- _____, F. Coman and N. Preston. 2004. Protecting genetically improved shrimp via induced sterility. **Australian Aquaculture Book of Abstracts**, pp. 265.
- Sellars, M.J., B.M. Degnan and N.P. Preston. 2006. Production of triploid Kuruma shrimp, *Marsupenaeus (Penaeus) japonicus* (Bate) nauplii through inhibition of polar body I, or polar body I and II extrusion using 6-Dimethylaminopurine. **Aquaculture** 256: 337-345.
- Stenesh, J. 1975. Dictionary of biochemistry and molecular biology. 1500 p.

- Wada, K.T., A. Komaru and Y. Uchimura. 1989. Triploid production in the Japanese pearl oyster, *Pinctada fucata martensii*. **Aquaculture** 76: 11-19.
- Wang, Z., X. Guo, S.K. Allen, Jr. and R. Wang. 2002. Heterozygosity and body size in triploid Pacific oysters, *Crassostrea gigas* Thunberg, produced from meiosis II inhibition and tetraploids. **Aquaculture** 204 (3-4): 337-348.
- Wolters, W.R., G.S. Libey and C.L. Chrisman. 1982a. Effect of triploid on growth and gonad development of channel catfish. **Trans. Am. Fish. Soc.** 111: 102-105.
- _____, C.L. Chrisman and G.S. Libey. 1982b. Erythrocyte nuclear measurement of diploid and triploid channel catfish, *Ictalurus punctatus* (Rafinesque). **J. Fish Biol.** 20: 253-258.
- Wong, T.M., S. Salleh and T.G. Lim. 1988. Induced spawning, Larval culture and juvenile growth of *Paphia undulate* (mollusca:veneridae) in the laboratory. Report on the world aquaculture society 19 th annual conference and exposition Honolulu, Hawaii, U.S.A., 4-10 January 1988. Available Source:
<http://www.fao.org/docrep/field/009/ag166e/AG166E04.htm>, May 21, 2008.
- Xiang, J.H., W.H. Clark, F. Griffin and P. Herzler. 1991. A study on feasibility of chromosome set manipulation in the marine shrimp, *Sicyonia ingentis*. **In: Davie, P.J.F., Quinn, R.H.** (Eds.), Proceedings of the 1990 Intern. Crustacean Conference, Brisbane, Australia. Rec. Q. Mus., Brisbane, p. 277.
- _____, L.H. Zhou, R.Y. Liu, J.Z. Zhu, F.H. Li and X.D. Liu. 1992. Induction of the tetraploids of the Chinese shrimp, *Penaeus chinensis*. **In: Proceedings of the Asia Pacific Conference on Agricultural Biotechnology**, Beijing 20-24 Aug. 1992. China Science and Technology Press, Beijing, pp. 841-846.

- _____, _____, F. Li and X. Zhang. 2001. Triploid induction in penaeidae shrimps with special reference to a new chemical inducing reagent 6-DMAP (6-dimethylaminopurine). **In: Aquaculture 2001: Book of Abstracts** (ed. by H. Daniels) p.705. World Aquaculture Society, Louisiana State University, Baton Rouge.
- _____, F. Li, X. Zhang, K. Yu, L. Zhou and C. Wu. 2006. Evaluation of induced triploid shrimp *Penaeus (Fenneropenaeus) chinensis* cultured under laboratory conditions. **Aquaculture** 259: 108-115.
- Yamazaki, F. and J. Goodier. 1993. Cytogenetic effects of hydrostatic pressure treatment to suppress the first cleavage of salmon embryos. **Aquaculture** 110: 51-59.
- Yang, H., Y. Ting and H. Chen. 1998. Blocking polar body with Cytochalasin B in the fertilized eggs of the small abalone, *Haliotis diversicolor supertexta* (Lischke), and the development and ploidy of the resultant embryos. **Aquaculture Research** 29:775-783.
- Zhang, G., Z. Wang, Y. Chang, J. Song, J. Ding, S. Zhao and X. Guo. 2000. Tetraploid induction in the Pacific abalone *Haliotis discus hannai* Ino with 6-DMAP and CB. **Journal of Shellfish Research** 19: 540-541.
- Zhang, X., F. Li and J. Xiang. 2003. Chromosome behavior of heat shock induced triploid in *Fenneropenaeus chinensis*. **Chinese Journal of Oceanology and Limnology** 21: 222-228.
- Zhang, C., F. Li, K. Yu, C. Wu, Z. Guo and J. Xiang. 2004. Hematological changes of sibling diploid and triploid *Fenneropenaeus chinensis* after being challenged with pathogens. **Journal of Fisheries of China/Shuichan Xuebao** 28: 535-540.