

บรรณานุกรม

- กองประมงน้ำจืด. 2538. ปลาจืดเหลือง. กรมประมง, กระทรวงเกษตรและสหกรณ์. 56 หน้า.
- ยุพินท์ วิวัฒน์ชัยเศรษฐ์. 2541. การเพาะเลี้ยงปลากดเหลืองในกระชัง. น.ส.พ.กสิกร ปีที่ 31 ฉบับที่ 2 (มีนาคม - เมษายน 2541) : 151 - 162.
- โยธิน ลีนานนท์ และรังสิต แยมเอิบสิน. 2524. ชีวิตวิทยาของปลากดเหลืองในอ่างเก็บน้ำเขื่อนศรีนครินทร์ จ. กาญจนบุรี. งานชีววิทยาปลา ฝ่ายพัฒนาแหล่งน้ำ, สถาบันประมงน้ำจืดแห่งชาติ, กรมประมง, กระทรวงเกษตรและสหกรณ์. 33 หน้า.
- วินิตา บัณฑิต อรศรี รมะนันท์ สุจินต์ อึ้งถาวร และมนตกานต์ ตันสถิตย์. 2539. วิทยานิพนธ์ 1 : เซลล์และเนื้อเยื่อพื้นฐาน ; พิมพ์ครั้งที่ 2. คณะแพทยศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย. 239 หน้า.
- อุทัยรัตน์ ณ นคร. 2538. การเพาะและขยายพันธุ์ปลา. ภาควิชาเพาะเลี้ยงสัตว์น้ำ, คณะประมง มหาวิทยาลัยเกษตรศาสตร์. 231 หน้า.
- อำนาจ แทนทอง และสนธิพันธ์ ผาสุขดี. 2530. อนาคตของปลากดเหลือง. ข่าวประมง ปีที่ 12 ฉบับที่ 4 (มกราคม 2530). 25 - 27.
- Amornsakun, T., Chiayvareesajja, S. and Hassan, A. B. 1996. Starvation and Initial delay of feeding on larval green catfish, *Mystus nemurus* (Cuv. & Val.). Songkla. J. Sci. Technol., 18(4): 443 - 446.
- Amornsakun, T., Chiayvareesajja, S., Hassan, A. B., Ambak, A. B. and Jee, A. K. 1997. Yolk absorption and start of feeding of larval green catfish, *Mystus nemurus* (Cuv.& Val.). Songkla. J. Sci. Technol., 20(3): 117 - 122.
- Amornsakun, T., Hassan, A. B., Ambak, A. B. and Chiayvareesajja, S. 1998a. The culture of green catfish, *Mystus nemurus* (Cuv. & Val.) I: Feed and feeding scheme of larvae and juveniles. Songkla. J. Sci. Technol., 20(3): 379 - 384.

- Amornsakun, T., Hassan, A. B., Ambak, A. B. and Chiayvareesajja, S. 1998b. The culture of green catfish, *Mystus nemurus* (Cuv. & Val.) II : Gastric emptying time and feed requirements of larvae fed with *Moina*. Songkla. J. Sci. Technol., 20(3): 379 – 384.
- Amornsakun, T., Hassan, A. B., Ambak, A. B. and Chiayvareesajja, S. 1998c. Feeding periodicity under natural light condition of larval green catfish, *Mystus nemurus* (Cuv. & Val.). Songkla. J. Sci. Technol., 20(2): 219 – 223.
- Bancroft, J. D. 1975. Histological Techniques. 2nd edn. London. Butterworths.
- Bancroft, J. D. and Gamble, M. 2002. Theory and practice of histological techniques 5th edn. Harcourt Publishers Limited. 796 pp.
- Barni, A., Mazzoldi, C. and Rasotto, M. B. 2001. Reproductive apparatus and male accessory structures in two batrachoid species (Teleostei, Batrachoididae). J. Fish biol., 58 : 1557 – 1569.
- Bhatti, M. N. and Al-Daham, N. K. 1978. Annual cyclical changes in the testicular activity of a freshwater teleost, *Barbus luteus* (Heckel) from Shatt – Al – Arab, Iraq. J. Fish biol., 13 : 321 – 326.
- Cavaco, J. E. B., Baal, J. V., Dijk, W. V., Hassing, G. A. M., Goos, H. J. Th. and Schulz, R. W. 2001. Steroid hormones stimulate gonadotrophs in juvenile male African catfish (*Clarias gariepinus*). Biol. Repro., 64 : 1358 – 1365.
- Cinquetti, R. 1997. Histochemical, enzyme histological and ultrastructural investigation on the sperm duct glands of *Padogobius martensi* (pisces , Gobiidae). J. Fish Biol., 50 : 978 – 991.
- Cinquetti, R. and Dramis, L. 2003. Histological, histochemical, enzyme histochemical and ultrastructural investigations of the testis of *Padogobius martensi* between annual breeding seasons. J. Fish Biol., 63 : 1402 – 1428.

- Cornish, D. A. 1998. Seasonal steroid hormone profile in plasma and gonads of the Tilapia, *Oreochromis mossambicus*. Water SA, 24(3) : 257 – 263.
- Cruz, R. J. G. and Santos, J. E. 2004. Testicular structure of three species of neotropical freshwater pimelodids (Pisces, Pimelodidae). Rev. Bras. Zool., 21(2) : 267 – 271.
- Elorduy-Garay, F. J. and Ramirez-luna, S. 1994. Gonadal development and spawning of female ocean whitefish, *Caulolatilus princeps* (Piscep : Branchiostegidae) in the Bay of La Paz, B.C.S., Mexico. J. Fish biol., 43 : 553 – 556.
- Fishelson, L. 1991. Comparative cytology and morphology of seminal vesicles in male gobiid fishes. Jan. Ichthyol., 38(1) : 17 – 30.
- Gartner, L. P. and Hiatt, J. L. 2001. Color Textbook of Histology 2nd edn. W.B. Saunders company. 577 pp.
- Goetz, F. W. 1983. Hormonal control of oocyte final maturation and ovulation in fishes. In Hour, W. S., Randall, D. J. and E. M. Donaldson. Fish Physiology Vol. IX B. Academic Press, Inc., New York. pp. 117 – 170.
- Grier, H. J., Linton, J. R., Leatherland, J. F. and De Vlaming, V. L. 1980. Structural evidence for two different testicular types in teleost fishes. Am. J. Anat., 159 : 331 – 345.
- Grier, H. J. 1981. Cellular organization of the testis and spermatogenesis in fishes. Am. Zool., 21 : 345-357.
- Helfman, G. S., Collette, B. B. and Facey, D. E. 2000. Teleosts Atlas I : Bony – tongues Through Anglerfishes, pp. 221 – 243. In : The Diversity of Fishes. Malden, Blackwell Science Editorial XIV. 528 pp.
- Htun – Han, M . 1978a. The reproductive biology of the dab. *Limanda Limanda* (L.) in the North Sea : Seasonal changes in the testis. J.Fish Biol.,13 : 361– 367.
- Htun – Han, M . 1978b. The reproductive biology of the dab. *Limanda Limanda* (L.) in the North Sea : gonosomatic index , hapatosomatic index and condition factor. J. Fish Biol., 13 : 369 – 378 .

- Icrecema, D. G. and Francisco, G. A. 2004. Reproductive biology of two marine catfishes (Siluriformes, Ariidae) in the Sepetiba Bay, Brazil. *Rev. Biol. Trop.*, 52(1) : 143 - 156.
- Kiernan, J. A. 1999. *Histological and Histochemical Methods Theory and Practice* 3rd edn. Butterworth - Heinemann. 502 pp.
- Kobayashi, T., Chang, X. T. and Nakamura, M. 1996. Fish 3β - Hydroxysteroid Dehydrogenase/ Δ^5 - Δ^4 Isomerase : Antibody production and their use for the immunohistochemical detection of fish steroidogenic tissues. *Zool. Sci.*, 13 : 909 - 914.
- Kuo, Ching Ming, Nash, C. E. and Shehadeh, Z. N. 1974. The effects of temperature and photoperiod on ovarian development in captive gray mullet (*Mugil-cephalus* L.). *Aquacul.* 3 : 25 - 43.
- Lagler, K. F., Bardach, J. E., Miller, R. R. and Passino, D. R. M. 1977. *Ichthyology* 2ndedn. New York : John Wiley & Son. 506 pp.
- Lahnsteiner, F. and Patzner, R. A. 1990. The spermatic duct of blenniid fish (Teleostei, Blenniidae) : Fine structure, histochemistry and function. *Zoomorphol.*, 110 : 63 - 73.
- Lahnsteiner, F., Seiwald, A. R. and Ferrero, A. E. 1992. The seminal vesicles of the male grass goby, *Zosterisessor ophiocephalus* (Teleostei, Gobiidae) *Zoomorphol.*, 111 : 239-248.
- Lahnsteiner, F., Patzner, R. A. and Weismann, T. 1993a. The spermatic ducts of salmonid fishes (Salmonidae, Teleostei). Morphology, histochemistry and composition of the secretion. *J. Fish Biol.*, 42 : 79 - 93.
- Lahnsteiner, F., Nussbaumer, B. and Patzner, R. A. 1993b. Unusual testicular accessory organs, the testicular blind pouches of blennies (Teleostei, Blenniidae). Fine structure, enzyme histochemistry and possible functions. *J. Fish Biol.*, 42 : 227- 241.

- Lahnsteiner, F., Patzner, R. A. and Weismann, T. 1994a. Testicular main ducts and spermatic ducts in some cyprinid fishes I. Morphology, fine structure and histochemistry. *J. Fish Biol.*, 44 : 937 – 951.
- Lahnsteiner, F., Patzner, R. A. and Weismann, T. 1994b. Testicular main ducts and spermatic ducts in some cyprinid fishes II. Composition of the seminal fluid. *J. Fish Biol.*, 44 : 937 – 951.
- Legendre, M., Linhart, O. and Billard, R. 1996. Spawning and management of gametes fertilized eggs and embryos in Siluroidei. *Aquat. Living Resour.*, 9 : 59 – 80.
- Levy, H., Deane, H. W. and Rubin, B. L. 1959. Visualization of steroid - 3β - ol - dehydrogenase activity in tissues of intact and hypophysectomized rats. *Endocrinol.*, 65 : 932 – 943.
- Liley, N. R. and Stacey, N. E. 1983. Hormones, pheromones, and reproductive behavior in fish. pp. 1 – 64, In Hoar, Randall, W. S., D. J. and Donaldson, E. M. *Fish Physiology Vol. IX B*. Academic Press, Inc., New York.
- Lopes, D. C. J. R., Bazzoli, N. and Brito, M. F. G. 2004. Male reproductive system in the south American catfish *Conorhynchus conirostris*. *J. Fish Biol.*, 64 : 1419 – 1424.
- Loir, M., Cauty, C., Planquette, P. and Le Ball, P. Y. 1989. Comparative study of the male reproductive tract in seven families of south American catfishes. *Aquat. Living Resour.*, 2 : 45 – 56.
- Marconato, A., Rastto, M. B. and Mazzoldi, C. 1996. On the mechanism of sperm release in three gobiid fishes (Teleostei : Gobiidae). *Environ. Biol. Fish*, 46 : 321 – 327.
- Mansour, N. and Lahnsteiner, E. 2003. Morphology of the male genitalia and sperm fine structure in Siluroid fish. *J. Submicrosc Cytol. Pathol.*, 35(3) : 277 – 285.

- Meisner, A. D., Burns, J. R., Weitzman, S. H. and Malabarba, L. R. 2000. Morphology and histology of the male reproductive system in two species of internally inseminating south American catfishes, *Trachelyopterus lucenai* and *T. galeatus* (Teleostei : Auchenipteridae). *J. Morphol.*, 246(2) : 131 - 141.
- Miller, P. J. 1984. The tokology of gobioid fishes. In fish reproduction : Strategies and Tactic (Potts, B. W. and Wootton, R. J., eds.) pp. 119 - 153. London : Academic Press.
- Miura, T. 1999. Spermatogenetic cycle in fish. In : Knobil, E., Neil, J. D.(eds). *Enycl. reprod.* Academic Press, New York. pp. 571-578.
- Mowry, R. W., Longly, J. B. and Millican, R. C. 1952. Histochemical demonstration of intravenously injected dextran in kidney and liver of mouse. *J. Lab. Clin. Med.*, 39 : 211 - 217.
- Nagahama, Y. 1983. The functional morphology of teleost gonads., In Hour, W. S., Randall, D. J. and Donaldson, E. M. *Fish Physiology Vol. IX A.* Academic Press, Inc., New York. pp. 223 - 275
- Nayyar, S. K. and Sundararaj, B. I. 2005. Seasonal reproductive activity in the testes and seminal vesicles of the catfish, *Heteropneustes fossilis* (Bloch). *J. Morphol.*, 130(2) : 207 - 225.
- Nelson, D. L. and Cox, M. M. 2005. *Principle of Biochemistry* 4th edn. W.H. Freeman and company. New York. 1119 pp.
- Nelson, S. J. 1994. *Fishes of the World* 3rd edn. John Wiley & sons, Inc. New York.
- Patzner, R. A. 1991. Morphology of the male reproductive system of *Coralliozetus angelica* (Pisces, Blennioidei, Chaenopsidae). *J. Fish Biol.*, 39 : 867-872.
- Pease, A. G. E. 1972. *Histochemistry, Theoretical and Applied*, vol.2. London : Churchill Livingstone.

- Phormkunthong, W., Sengsidang, P. and Supamatta, K. 1997a. Water – soluble vitamin requirements of yellow mystus. I. Requirement for vitamin B₁, vitamin B₂, vitamin B₅ and vitamin C. Songkla. J. Sci. Technol., 19(3): 337 – 349.
- Phormkunthong, W. and Sengsidang, P. 1997b. Water – soluble vitamin requirements of yellow mystus. II. Pantothenic acid requirement. Songkla. J. Sci. Technol., 19(4): 417 – 427.
- Phormkunthong, W., Jantrarotai, W., Songsrichan, N. and Manajit, N. 1997c. Optimal dietary protein level of yellow mystus (*Mystus nemurus*) fingerling. Songkla. J. Sci. Technol., 19(3): 327 – 335.
- Phormkunthong, W., Supamatta, K. Saelee, K. and Torrarit, P. 1999. Effect of salinity levels on growth performanc, physiological and histological changes in yellow mystus, *Mystus nemurus*. Songkla. J. Sci. Technol., 21(1): 53 – 64.
- Phormkunthong, W., Jitpnathakul, Y., Supamatta, K. and Nakachart, D. 2002. Effect of fat – soluble vitamin on growth performance, feed efficiency and histological changes of green catfish (*Mystus nemurus* (Cuv. & Val). Songkla. J. Sci. Technol., 24(3): 399 – 411.
- Porawski, M., Wassermann, G. F. and Achaval, M. 2004. Localization of acid phosphatase activity in the testis of two teleostean species (*Oreochromis niloticus* and *Odonthestes perugiae*). Braz. J. Biol., 64(4) : 853 – 858.
- Quinitio, G. F. , akahashi , H. and Goto , A. 1988. Annual changes in the testicular activity of the river sculpin, *Cottus hangiongensis* Mori, with emphasis on the occurrence of aberant spermatids during permatogenesis. J. Fish Biol., 33 : 871 – 878.
- Rastogi, R. K. 1969. Seminal vesicles and sperm duct of an Indian catfish, *Mystus tengara* (Hamilton), with particular reference to their seasonal cycle. Acta. Anat., 72 : 624 – 639.

- Resink, J. W., Van den Hurk, R., Voorthuis, P. K., Terlouw, M., DE Leeuw, R. and Viveen, W. J. A. R. 1987. Quantitative enzyme histochemistry of steroid and glucuronide synthesis in testes and seminal vesicles, and its correlation to plasma gonadotropin level in *Clarias gariepinus*. *Aquacul.*, 63 : 97-114.
- Resink, J. W., Voorthuis, P. K., Van den Hurk, R., Peter, R. C., Van Oordt, P. G. W. J. 1989. Steroid glucosides of the seminal vesicles as olfactory stimuli in African catfish, *Clarias gariepinus*. *Aquacul.*, 83 : 153-166.
- Richtarski, U. and Patzner, R. A. 2000. Comparative morphology of male reproductive systems in Mediterranean blennies (Blenniidae). *J. Fish Biol.*, 56 : 22 - 36.
- Rosenblum, P. M., Pudney, J. and Callard, I. P. 1987. Gonadal morphology, enzyme histochemistry and plasma steroid levels during the annual reproductive cycle of male and female brown bullhead catfish, *Ictalurus nebulosus* Lesueur. *J. Fish Biol.*, 31 : 325 - 341.
- Santos, J. E., Barroli, N., Rizzo, E. and Santos, B. G. 2001. Morphofunctional organization of the male reproductive system of the catfish *Iheringichthys labrosus* (Lutken, 1874) (Siluriformes : Pimelodidae). *Tiss. & Cell*, 33(5) : 533-540.
- Scaggiante, M., Mazzoldi, C., Petersen, C. W. and Rasotta, M. B. 1999. Sperm competition and mode of fertilization in the grass goby *Zosterisessor ophiocephalus* (Teleostei : Gobiidae). *J. Exper. Zool.*, 283 : 81 - 90.
- Seiwald, M. and Patzner, R. A. 1989. Histological, fine structural and histochemical differences in the testicular glands of gobiid and blenniid fishes. *J. Fish Biol.*, 35 : 631 - 640.
- Smith, L. S. 1982. *Introduction to Fish Physiology*. T.F.H. Publications, Inc., Neptune. 351 pp.
- Stacey, N. 1990. Hormonal pheromones in fish : status and prospects. pp. 177 - 181, In Scott, A. P., Sumpter, J. P., Kime, D. E. and Rolfe, M. S. *Reproductive Physiology of Fish*. Fish Symp. 91, Sheffield.

- Stacey, N. E. 1983. Control of the timing of ovulation by exogenous and endogenous factors. pp. 208 – 222, In Potts, G.W. and Wootton, R. J. Fish Reproduction Strategies and Tactics. The FSBI International Symposium, July 19 – 23 , 1982, Plymouth Polytechnic, Plymouth, Devon.
- Stacey, N. E. and Goetz, F. W. 1982. Role of prostaglandins in fish reproduction. Can. J. Fish Aquat. Sci. 39 : 92 – 98.
- Stiller, D. and Gorski, J. 1969. Untersuchungen zur Histotopochemie der Uridindi phosphatglucose – Dehydrogenase. Acta Histochem., 32 : 356-375.
- Suwanjarat, J., Amornsakun, T., Thongboon, L. and Boonyoung, P. 2005. Seasonal changes and spermatogenesis in male sand goby *Oxyleotri marmoratus* Bleeker, 1852 (Teleostei, Gobiidae). Songkla. J. Sci. Technol., 27 (Supple.1) : 425 – 436.
- Thacker, C. and Grier, H. 2005. Unusual gonad structure in the paedomorphic teleost *Schindlerid praemature* (Teleostei : Gobioidae) a comparison with other gobioid fishes. J. Fish biol., 66 : 378 – 391.
- Tripathi, G. and Verma, P. 2004. Sex – specific metabolic changes in the annual reproductive cycle of a freshwater catfish. Comp. Biochem. Physiol. Part B , 137 : 101 – 106.
- Troyer, H. 1980. Principles and Techniques of Histochemistry. Little, Brown and company (Inc.). 431 pp.
- Van Den Hurk, R., Resink, J. W. and Voorthuis, P. K. 1987. An enzyme histochemical study concening the localization of steroid glucuronide production in the reproductive organs of African catfish, *Clarias gariepinus*. Aquacul., 63 : 89 – 96.
- Van Oordt, P. G. W. J. and Goos, H. J. T. H. 1987. The African catfish, *Clarias gariepinus*, a model for the study of reproductive endocrinology in teleosts. Aquacul., 63 : 15 – 26.

Van Oordt, P. G. W. J., Resink, J. W. and Voorthuis, P. K. 1987. An enzyme histochemical study concerning the localization of steroid glucuronide production in the reproductive organs of African catfish, *Clarias gariepinus*. *Aquacul.*, **63** : 89 - 96.

Viveiros, A. T. M., Eding, E. H. and Komen, J. 2001. Effect of 17 α - methyl testosterone on seminal vesicle development and semen release response in the African catfish, *Clarias gariepinus*. *Reprod.*, **122** : 817 - 827.