

REFERENCES

- Aida, K., Ngan, P.V. and Hibiya, T. (1973). Physiological studies on gonadal maturation of fishes. I. Sexual difference in composition in plasma proteins of ayu in relation to gonadal maturation. Bull. Jap Soc. Sci. Fish., 39, 1091-1106.
- Baker, B.I., Keshavanath, J. and Sunderaraj, B.I. (1974). The cell types in the adenohypophysis of the Indian catfish, Heteropneustes fossilis (Bloch). Cell Tissue Res., 148, 347-358.
- Ball, J.N. (1960). Reproduction in female bony fishes. Symp. Zool. Soc. Lond., 1, 105-135.
- Ball, J.N. and Hawkins, E.F. (1976). Adrenocortical (interrenal) responses to hypophysectomy and adenohypophyseal hormones in the teleost, Poecilia latipinna. Gen. Comp. Endocrinol., 28, 59-70.
- Bandyopadhyay, S., Banerjee, P.F. and Bhattacharya, S. (1991). 17β -estradiol releases thyroxine from the fish thyroid follicles of a teleost, Shanna gachua (Ham.). Gen. Comp. Endocrinol., 81, 2, 227-233.
- Bandyopadhyay, S. and Bhattacharya, S. (1988). Influence of estrogen on thyroid activity. Proc. Nat. Symp. Curr. Status. Gen. Comp. Endocrinol., Delhi, 58-59.
- Bano, Y. (1977). Seasonal variations in biochemical composition of Clarias batrachus L. Proc. Ind. Acad. Sci., 85, 3, 147-155.
- Barr, W.A. (1963). The endocrine control of sexual cycle in plaice. II. The endocrine control of oogenesis. Gen. Comp. Endocrinol., 3, 205-215.
- Barrington, E.J.W. and Matty, A.J. (1954). Seasonal variation in the thyroid gland of the minnow, Phoxinus phoxinus L. with some observations on the effect of temperature. Proc. Zool. Soc. Lond., 124, 89.

- Legum, K.A., Behera, H.N. and Patnaik, B.K. (1984). Thyroid hormones and carbohydrate metabolism of brain in the teleost, Channa punctatas. I. Effect of T₄ and thiourea on succinic dehydrogenase (SDH) activity and protein content. *Gen. Comp. Endocrinol.*, 53, 402-409.
- Belsare, D.K. (1965). Changes in thyroid gland, pituitary gland and gonads after thiourea treatment in Channa punctatus (Bloch). *Zool. Polon.*, 15, 231-242.
- Berg, O., Gorbman, A. and Kobayashi, J. (1959). The thyroid hormones in invertebrates and lower vertebrates. In "Comparative Endocrinology" (A. Gorbman, Ed.), pp. 302-319. J. Wiley and Sons, New York.
- Berg, I.S. (1940). Classification of fishes both recent and fossil (English and Russian). Printed by Print Press, Pataudi House, Daryaganj, New Delhi, India.
- Bhat, K.G. and Dutt, N.H.G. (1989). Photoperiodic control on the ovary and pituitary gonadotrops in Puntius sarna (Hamilton). *Arch. Anat. Histol. Embryol.*, 72, 113-124.
- Phatte, S.D. and Khanna, C.S. (1976). Histopathology of endocrine pancreas of a freshwater fish, Clarias batrachus L.VII. Effects of hydrocortisone and thyroxine administration. *Acta Biol. Acad. Sci., Hung.*, 27, 25-35.
- Breton, E. and Guimard Derrien, M.C. (1983). Actions de stimulations gonadotropes pulsatiles sur l'incorporation de vitellogénine in vitro par des follicles de truites incubés dans un système de perfusion ouvert. *CR Acad SC Paris Ser III* 296, 857-860.
- Bromage, N.R. and Sage, M. (1968). The activity of the thyroid gland of Poecilia during gestation cycle. *Endocrinology*, 41, 303-311.
- Buchmann, H. (1940). Hypophyse and thyroidea in Individualzyklus des Herings. *Zool. Jb. Anat. Ontog.*, 66, 191-262.
- Burzawa-Gérard, E. (1981). Les hormones gonadotropes des poissons. *Oceanis*, 6, 655-676.
- Callard, G.V., Petro, Z. and Ryan, K.J. (1978). Conversion of androgen to estrogen and other steroids in the vertebrate brain. *Am. Zool.*, 18, 511-523.
- Campbell, C.M. and Idler, D.R. (1976). Hormonal control of vitellogenesis in hypophysectomised winter flounder (Pseudopleuronectes americanus Walbaum). *Gen. Comp. Endocrinol.*, 28, 143-150.

- Sunderaraj, B.I. and Goswami, S.V. (1977). Hormonal regulation of "in vivo" and "in vitro" oocyte maturation in the catfish (Heteropneustes fossilis (Bloch)). Gen. Comp. Endocrinol., 32, 17-28.
- Sunderaraj, B.I., Nath, P. and Purzawa-Gérard, E. (1982). Synthesis of vitellogenin and its uptake by the ovary in the catfish, Heteropneustes fossilis (Bloch) in response to carp gonadotropin and its subunits. Gen. Comp. Endocrinol., 46, 93-98.
- Sunderaraj, B.I. and Vasal, S. (1976). Photoperiod and temperature control in the regulation of reproduction in the female catfish, Heteropneustes fossilis. J. Fish. Res. Boa. Can., 33, 959-973.
- Swift, D.R. (1960). Cyclical activity of the thyroid gland of fish in relation to environmental changes. Symp. Zool. Soc. Lond., 2, 17-27.
- Takashima, F., Hibiya, T., Ngan, P.Y. and Aida, K. (1972). Endocrinological studies on lipid metabolism in rainbow trout. II. Effects of sex steroids, thyroid powder and adrenocorticotropin on plasma lipid content. Bull. Jap. Soc. Sci. Fish., 38, 43-49.
- Thornburn, C.C. and Matty, A.J. (1963). The effects of thyroxine on some aspects of nitrogen metabolism in the goldfish (Carassius auratus) and the trout (Salmo trutta). Comp. Biochem. Physiol., 1, 1-12.
- Ueda, H., Hiroi, O., Hara, A., Yamuchi, K. and Nagahama, Y. (1984). Changes in serum concentrations of steroid hormones, thyroxine and vitellogenin during spawning migration of the chum salmon, Oncorhynchus nerka. Gen. Comp. Endocrinol., 53, 467-470.
- van Bohemen, C.G., Lambert, J.G.D. and Peute, J. (1981). Annual changes in plasma and liver in relation to vitellogenesis in the female rainbow trout, Salmo gairdneri. Comp. Biochem. Physiol., 44, 94-107.
- Verma, G.P., Sahu, K.C., Mohapatra, S., Mohapatra, S. and Das, C.C. (1985). A comparative histo-biochemical study on vitellogenesis in teleosts, Channa punctatus and Heteropneustes fossilis. In "Recent Advances in Zoology" (C.B.L. Srivastava and S.C. Goel, Eds.), pp. 45-60.
- Verma, G.P., Mohapatra, S., Panigrahi, A.K. and Acharya, U.R. (1989). Histo-biochemical analysis of vitellogenesis in teleost, Tilapia mossambica (Peters). Ad. Bios., 8, 11-32.

- Walker, R. and Johansen, P. (1975). Changes in major liver constituents following hypophysectomy in goldfish, Carassius auratus, Experientia, 31, 1252-1253.
- Wallace, R.A. (1978). Oocyte growth in non-mammalian vertebrates. In. "The Vertebrate Ovary" (R.E. Jones, Ed.). pp. 469-502, Plenum, New York.
- White, B.A. and Henderson, N.E. (1977). Annual variations in circulating levels of thyroid hormones in brook trout, Salvelinus fontinalis, as measured by radioimmunoassay. Can. J. Zool., 55, 475-481.
- Whiting, S.J. and Wiggs, A.J. (1978): Effect of sexual maturation and estradiol-17 β on liver glycogen and tyrosine aminotransferase activity of brook trout, Salvelinus fontinalis Mitchill. Comp. Biochem. Physiol., 60 B, 463-465.
- Yamazaki, F. (1961). The effect of hypophysectomy on the ovary of the goldfish, Carassius auratus. Bull. Fac. Fish Hokkaido Univ., 12, 167-180.
- Yamazaki, F. (1965). Endocrinological studies on the reproduction of the female goldfish, Carassius auratus L. with special reference to the pituitary gland. Mem. Fac. Fish Hokkaido Univ., 131, 164.
- Yamazaki, F. (1976). Application for hormones in fish culture. J. Fish. Res. Boa. Can., 33, 948-958.
- Yaron, Z., Terkatin-Shimony, A., Shaham, Y. and Salzer, H. (1977). Occurrence and biological activity of estradiol 17 β in the intact and ovariectomized Tilapia aurea. (Cichlidae, Teleostei). Gen. Comp. Endocrinol., 33, 45-52.