Assenmacher, I. 1973. The peripheral endocrine glands.In "Avian Biology" (D.S. Farner and J.R. King, Eds), Vol.3 pp.183-286, Academic press, New York and London.

Assenmacher,I and Boissin,J. 1972. Circadian endocrine and related rhythms in birds. Gen.Comp. Endocrinol.Suppl., 3 : 489-498.

Assenmacher,I., and Tixer-Vidal,A. 1962, Le replexe photosexnal apres thyroidectomie Chimique Chez le canard male. CR.Soc.Biol., 156: 18-21

Ayyar, C.B. 1987. Adrenal gonad relationship: A histophysiological study in feral blue rock pigeons, Columba livia. A Ph.D thesis, M.S. University of Baroda. pp. 1-379.

Ayyar, C.B. Singh,D.and Ramachandran, A.V. 1992. Seasonal gravimetric changes in the organs of normal and adrenal manipulated feral blue rock pigeons, Columba livia.J. Reprod. Biol. Comp. Endocrinol. 4(1): 9-25.

Ballard,P.L. 1979. "Glucocotricoids and differentiation, "In :Glucocorticoid hormone action. (Baxter,J.D. and Rousseau,C.G. Eds,), pp. 493-515, Springer-Verlag New York.

Bartness, T.J. and Goldman, B.D. 1989. Mammalian pineal

melatonin: A clock for all seasons. Experentia. 45: 939-945.

Bartov,I., Jensen, L.S. and Veltmann, J.R. 1980. Effect of corticosterone and prolactin on fattening in broiler chicks. Poult. Sci., 59: 1328-1334.

Bengt,S. 1979. Activity of adrenal glands in pied flycatcher, Ficedula hypoleuca and its relation to testicular regression. Gen.Comp. Endocrinol. 38.,162-171.

Benoit,J., Assenmacher,I. and Walter, F.X. 1950a. Responses du mechanisme gonado stimulant a l'eelairment artificial et de la perhypophyseaux castrations bilarerale et unilateral, chez le canard domestique male, au cours de la period de regression testicularire saisonniere. C. R. Seanc. Soc. Biol., 144: 572-577.

Bhattacharya, T.K. and Ghosh, A. 1965. Seasonal histophysiologic study of the interrenal of the house sparrow. Acta Biol. Hung., 16: 69-77

Biswas, N.M. 1969. Δ^5-3B-Hydroxysteroid dehydrogenase in toad testis synergistic action of ascorbic acid and luteinizing hormone. Endocrinology, 85: 981-983.

Biswas, N.. and Deb, C 1970. In vitro studies on the effect

of ascorbic acis and dehydroascorbic acid on Δ^5 3β-hydroxysteroid dehydrogenase in toad testis. Endocrinology, **87**: 170-173.

Bluhm, C.K., Schwabl, H., Schwabl,I., Perera,A., Follett, B.K., Goldsmith, A.R. and Gwinner, E. 1991 Variation in hypothalamic GnRH content, plasma and pituitary LH and in vitro. testosterone release in a long distance migratory bird, the garden warbler (Sylvia borin), under constant photoperiod. J. Endocrinol., **128**: 339-345.

Brake, N.P., Brake, J., Taxton, J.P., and Murray, D.L. 1988. Effect of cortisol on cutaneous basophil hypersensitivity to phytohema glutinin in chickens. Poult. Sci., **67**: 669-673.

Brown, N.L., Bayle, J.D., Scanes, C.G. and Follett, B.K. 1975.Chicken gonadotrophins : their effect on the testes of immature and hypophysectomised japanese quail. Cell and Tiss. Res., **156** : 499-520.

Cahill, G.F. Jr., Ashmore, J., Zottu, S. and Hasting. A.B. 1957. Studies on carbohydrate metabolism in rat slices. IX. Ionic and hormonal effects on phosphorylase and glycogen . J. Biol. Chem., **224**: 237-250.

Camper, P.M. and Burke, W.H. 1977. The effect of prolactin

on the gonadotrophin induced rise in serum estradiol and progesterone of the laying turkey. Gen. Comp. Endocrinol., 32: 72-77.

Chanda, S. and Biswas, N.B. 1988. Gonadal effects of melatonin in male toad: Possible involvement of pituitary gonadotrophins. Indian.J. Physiol. Allied Sc., 42(9): 151-155.

Chandola, A and Bhatt, D. 1982.Tri-iodothyronine fails to mimic gonadoinhibitory action of thyroxine in spotted munia. Effect of injections at different times of the day. Gen. Comp. Endocrinol., 48: 499-503.

Chandola, A and Thapliyal, J.P. 1974. Comparision of chemical, surgical and radiothyroidectomy in spotted munia, Lonchura punctulata. Gen.Comp.Endocrinol., 22 128-131.

Chandola, A. and Thapliyal, J.P.1978.Regulation of reproductive cycle of tropical spotted munia and Weaver bird. In "Environmental Endocrinology" (Assenmacher,I and Farner, D.S. Eds), Springer-Verlag, Berlin/Heidelberg New York pp. 61-63.

Chandola, A., Bhatt, D. and Pathak, V.K. 1982. Environmental manipulation of reproductive cycle of spotted munia. In:

Avian Endocrinology: Environmental perspectives. (Mikami, S., Homma, K. and Wada, M., Eds), Spinger-Verlag, Bserlin/ Heidelberg/New York. JapanScientific Societies Press, Tokyo. pp. 229-242.

Chandola Saklni, A., Bisht, M., and Bhatt, D. 1985.Reproduction strategies in birds of the tropics. In Adaptations to terrestrial Environments. (N.S Mahgaris, M.A. Faraggitaki, and R.J. Reiter, Eds), Plenum Press, New York. pp. 145-164.

Chaturvedi, C.M. 1984. Effect of melatonin on the adrenal and gonad of the common myna. Acridotherus tristis. Aus. J. Zool., 32: 803-810.

Chaturvedi, C.M. 1993.Adrenal function and reproductive regulation of seasonally breding Indian birds. In "Chronobiology" (Pati, A.K.), RSU, Raipur pp. 43-49.

Chaturvedi, C.M. and Thapliyal , J.P. 1979.Thyroidectomy and gonadal development in common myna, Acridotheres tristis. Gen. Comp. Endocrinol., 39: 327-329.

Chaturvedi, C.M. and Thapliyal, J.P. 1980. Light response of thyroidectomy in common mna, Acridotheres tristus. Gen. Comp. Endocrinol., 42: 160-162.

Chaturvedi, C.M. and Thapliyal, J.P. 1983. Thyroid photoperiod and gonadal regression in the common myna (A. tritis) Gen. Comp. Endocrinol. 52: 279-282.

Chinoy, N.J. 1972a, Ascorbic acid content in avian tissue and its metabolic significance. Acta. Zoologica., 53: 121-126.

Chinoy, N.J. 1972b. Ascorbic acid levels in mammalian tissue and its metabolic significance. Comp. Biochem. Physiol., 43A 945-952.

Conn, J.W. and Fajans, S.S. 1956.Influence of adrenal cortical steroids on carbohydrate metabolism in man. Metabolism, 5: 114-127.

Cuzzocrea, G., Stefano, F.de and Lino, A. 1959.Free ascorbic acid in the liver of adrenalectomised rats. Sperimentale, 109:413.

Das, K and Chandola, A 1990. Effect of artificially shortened and shifted annual photocycle on gonadal cycle of Indian weaver bird, Ploceus phillippinus. Indian. J. Exp. Biol., 28, 36-38.

Datta, M.J.S., Pandey, B.N., Choubey, B.J. and Pandey, P.K. 1978.Studies on cyclic activities of adrenocortical tissue in an air breathing fish, Heteropneustes fossilis. Zool. Beitr. 24(3) 437-446.

Davison, T.F., Rea, J. and Rowell, J.G. 1983. Effects of corticosterone on growth and metabolism of immature Gallus domesticus. Gen. Comp. Endocrinol., 50: 463-468.

de Vlaming, V.L. 1979. Action of prolactin among the vertebrates In " Hormones and Evolution." (Barrington, E.J.W. Ed), Vol 2, pp. 561-612. Academic press, New York.

Dieter, M.P. 1969.Hormonal control of the synthesis and distribution of ascorbic acid in cockerels (Gallus domesticus) Proc. Soc. Exp. Biol. Med., 130: 210-213.

Dieter, M.P. and Breintenbach, R.P. 1971. Vitamin C in lymphoid organs of rats and cockerels treated with corticosterone or testosterone. Proc. Soc. Exp. Biol. Med., 137: 341-346.

Dusseau, J.W. and Meier, A.H. 1971.Diurnal and seasonal variations of plasma adrenal steroid hormone in the white throated sparrow, Zonotricha albicollis. Gen. Comp. Endocrinol., 16: 399-408.

Ensor, D.M. 1978. Comparative Endocrinology of Prolactin. Chapman and Hall, London.

Epple, A., Orians, G.H., Farner, D.S. and Lewis, R.A. 1972. The photoperiodic testicular response of a tropical finch. Zonatricha capensis castricensis. Condor, 74: 1-4.

Exton, J.H., Harper, S.C., Tucker, A.L., Flagg, J.L. and Park, C.R. 1973.Effects of adrenalectomy and glucocorticoid replacement on gluconeogenesis in perfused livers from diabetic rats. Biochim. Biophysis. Acta., 329: 41-57.

Fiske, C.H. and Subbraw, Y. 1925.The colorimetric determination of phosphorus. J. Biol.Chem. 66: 375-400.

Follett, B.K. 1975.Follicle stimulating hormones in japanese quail. Variation in plasma levels during photoperiodically induced testicular growth and maturation. J. Endocrinol. 67: 1619-1920.

Follett, B.K. 1978. Photoperiodism and seasonal breeding in birds and mammals. In:Control of Ovulation. (Crighton, Haynes, Foxcroft and Lamming Eds.), Butterworth, London. pp.267-293.

Follett, B.K. 1981. The stimulation of luteinizing hormone and follicle-stimulating hormone secretion in quail with complete and skeleton photoperiods. Gen.Comp.Endocrinol., 45: 306-316.

Follett, B.K. 1984. Birds. In: Marshall's Physiology of Reproduction. (G.E. Lammining, Ed.), pp. 283-350.Livingstone, Edinburgh.

Follett. B.K. and Nicholls, T.J. 1984. Photorefractoriness in japanese quail: possible involvement of the thyroid gland J. Exp. Zool. 323: 573-580.

Follett, B.K. and Robinson, J.E. 1980. Photoperiodic and gonadotrophin secretion in birds. In: Progress in reproductive biology. (Reiter, R.J. and Follett, B.K. Eds.), Karger Basel. pp. 39-61.

Freeman, B.M. 1983. Adrenal glands: In: Physiology and Biochemistry of domestic fowl. (B.M. Freeman Ed.), Vol. 4 pp 191-209. Academic press. London, New York, Paris, San Diego, San Francisco, Sao Paulo, Sydney, Tokyo, Toronto.

Fromme-Bouman, H. 1962. Jahresperiodische Untersuchungen an der Nebennierenrinde der Amsel (Turdus merula.L.). Volgelwarte. 21: 188-198.

Gabe, M. 1970. The adrenal. In: Biology of Reptilia. (Carl, G. and Thomas, P. Eds.), Vol.3. pp 263-318. Academic press, London and New York.

Giovanni, C., Gerruccio, de S.O. and Andrea, L. 1957. The existence in the rat liver of a probable combined form of vitamin C and its behaviour after adrenalectomy. Att. Soc. Peloritana. Sci. Fis. Mat. Natur., 4: 289.

Gupta, B.B.P., Haldar-Misra, C. Ghosh, M., and Thapliyal, J.P. 1987. Effect of melatonin on gonads, body weight, and luteinizing hormone (LH) dependent colouration of the Indian Finch, Lal munia (Estrilda amandava). Gen. Comp. Endocrinol., 65: 451-456.

Harper, A.E. 1960. Glucose-6-phosphatase in enzymic analysis. pp. 758-792. (Bergyemer Hans-Ulrich Eds.), Academic press New York.

Hartman, F.A. 1946. Adrenal and thyroid weights in birds. Auk, 63: 42-64.

Hohn, E.O. 1961. Endocrine glands. thymus and pineal body. In: "Biology and comparative physiology of birds" (Marshall, A.J. Ed.), Vol.II p.87. Academic press, New

York.

Holmes, W.N., and Phillips, J.G. 1976. The adrenal cortex of birds. In: "General, comparative and clinical endocrinology of the adrenal cortex. (I. Chester Jones and I.W. Henherson, Eds.), Vol.1, Academic press, New York, London, pp. 293-420.

Ivarsson, S.A., Nilson, K.O. and Thorell, J.I. 1983. Erythrocyte insulin receptors and insulin sensitivity in adrenocortical insufficiency. Report of a case of diabetes mellitus type I with super imposed Addisons disease. Acta. Endocrinol., 102: 231-234.

Jallageas, M and Assenmacher, J. 1973. Effects du jeune de la castration de la cintetique chez canard, Gen. Comp. Endocrinol., 20, 401-406.

Jallageas, M. and Assenmacher, L 1974. Thyroid gonadal intractions in the male domestic duck in relationship with the sexual cycle. Gen. Comp. Endocrinol., 22, 13-20.

Jallageas, M. Bons, N., Daniel, J.Y. and Assenmacher, I. 1978. The endocrine control of reproductive cycle in male ducks. PAVO, 16: 67-68.

John Joseph, 1990. Influence of adrenal on posthatched maturational development of male chicks with emphasis on gonads: A morphometric and histophysiological study. A Ph.D thesis, M.S. University of Baroda, pp 1-182.

Johnson, L.Y. 1981. The pineal gland as a modulator of the adrenal and thyroid axis. In: "The pineal gland" (Reiter, R.J. Ed.), CRC press. Vol.III pp. 107-152.

Johnson, L.Y. and Reiter, R.J. 1978. The pineal gland and its effects on mammalian reproduction. Prog. reprod. Biol. **4**: 116-156.

Johnson, A.L. and van Tienhoven, A. 1981. Plasma concentration of corticosterone relative to photoperiod, ovluation and oviposition in the domestic hen. Gen. Comp. Endocrinol., **43**: 10-16.

Johnston, G. and Zucker, I. 1980. Antigonadal effects of melatonin in white footed mice (Peromyscus Leucopus) Biol. Reprod., 23: 1069-1074.

Johnston, P.G. Michael, B., and Zucker, I. 1982. Photoperiodic inhibitor of testicular development is mediated by the pineal gland in white-footed mice (Peromyseus leucopus). Biol. Reprod. **26**(4): 597-602.

Jones, R.E. 1970. Effect of season and gonadotrophin on testicular interstitial cells of california quail Auk. 87: 729-737.

Joseph, J and Ramachandran, A.V. 1991. Effect of induced adrenocortical deficiency and excess on tissue protein and ascorbic acid contents in post-hatched white leghorn breed of chicks. J Reprod. Biol. Comp. Endocrinol., 3

Joseph, J and Ramachandran, A.V. 1992. Alterations in carbohydrate metabolism by exogenous dexamethasone and corticosterone in post-hatched white leghorn chicks. Br. Poult. Sci.,33: 1085-1093.

Joss, J.M.P. 1973. Pineal-gonad relationships in the lamprey, Lampetra pluviatilis. Gen. Comp. Endocrinol., 21: 118-122.

Kafri, I., Rosebrough, McMurtry, R.W. and Steele, N.C. 1988. Corticosterone implants and supplemental dietary ascorbic acid. Effects on lipid metabolism in brolier chicks. Poult.Sci., 67: 1356-1359.

King, J.R. Follet, B.K., Farner, D.D., and Morton, M.L. 1966. Annual gonadal cycles and pituitary gonadotropins in Zonotrichia leucophrys gambelli. Condor, 68: 476-487.

Kitabachi, A.E. and West, W.H. 1975. Effect of steroidogenesis on ascorbic acid content and uptake in isolated adrenal cells. Ann.N.Y. Acadi. Sci., 258: 422-431.

Kitabachi, A.E., Jones, G.M. and Duckworth, W.C. 1973. Effect of hydrocortisone and corticotropin on glucose-induced insulin and proinsulin secretion in man.J. Clin. Endocrinol. Metab., 37: 79-84.

Kitabachi, A.E., Buchanan, K.D., Vance, J.E.et al. 1968. Effect of ACTH and glucocorticoids on insulin secretion. J. Clin. Endocrinol. Metab., 28: 1479-1486.

Kumar, S.B. and Kumar, V. 1991. Seasonal reproduction in subtropical Brahminy myna, Sturnus pagodarum: Role of photoperiod. Gen. comp. Endocrinol., 83: 354-356.

Kumar, S.B. and Kumar, V. 1993. Photoperiodic control of annual reproductive cycle in subtropical brahminy myna, Strunus pagodarum., Gen. Comp. Endocrinol., 89: 149-160.

Kumar Vinod and Kumar Sanjav 1992. Termination of photorefractoriness in the brahmihy myna, Sturnus pagodarum: Role of photoperiods and gonadal hormones. Indian J.Exp. Biol. 30: 48-53.

Legait.H., and Legait, E. 1959. Variations d' activite du systeme hypothalamo-neuro-hypophysaire et modifications surrenaliennes chez la pouleaucours du cycle annual. C.R. Soc. Biol., 153: 668-670.

Lewis, R.A. King, J.R. and Farner, D.S. 1974. Photoperiodic responses of a subtropical population of the finch, Zonotrichia capensis hypoleuca, Condor, 76: 233-237.

Lofts, B. 1962. The effects of exogenous androgen on the testicular cycle of the weaver-finch, Quelea quelea, Gen. Comp. Endocrinol., 2: 394-406.

Lofts, B. and Marshall, A.J. 1956. The effects of prolactin administration on the internal rhythm of reproduction in male birds. J. Endocr., 13: 101-106.

Lofts, B., Murton, R.K. and Thearle, R.J.P. 1973. The effects of testosterone propionate and gonadotropins on the bill pigmentation and testes of the House sparrow. Gen. Comp. Endocrinol., 2: 202-209.

Lorenzen, L.C. and Farner, D.S. 1964. An annual cycle in the interrenal tissue of the adrenal gland of white-crowned sparrow Zonotrichia leucophyrys gambelli Gen. Comp.

Endocrinol., 4: 253-263.

Magdi, T.A.M. amd Hutson, T.M. 1974. The effect of dexamethasone and adrenocorticoids on ^{22}Na retention, Poult. Sci., 53., 2229-2231.

Maitra, S.K. 1986. Annual testicular cycle of blossomheaded parakeet Psittacula cyanocephala (aves, Psittacidea), under natural environmental conditions. J. interdiscipl. cycle Res., 17: 213-223.

Maitra, S.K. 1987a. Influences of length of photoperiod on the testicular activity of the blossomheaded parakeet Psittacula cyanocephala. J. Yamashina inst. Ornith., 19: 28-44.

Maitra, S.K. 1987b. Photorefractoriness of the male blossomheaded parakeet Psittacula cyanocephala Forster. Indian J. Exp.Biol., 25: 519-522.

Majumdar, P.K. and Chatterjee G.S. 1974. Effects of testosterone and human chorionic gonadotrophin on the metabolism of L-ascorbic acid in rats. Ind. J. Exp. Biol., 12: 387-388.

Mangnall ,D and Bartley,W. 1973. The effect of cortisol on

post-embryonic development changes in chicks (Gallus domesticus) liver metabolism. Comp. Biochem. Physiol., 44B: 69-88.

Marshall, A.J. and Disney, H.J. de S. 1956. Photostimulation of an equatorial bird. Quelea quelea. Nature, 177: 143-144.

Mattingly, D 1962. Determination of plasma 11-hydroxycorticosteroids by Fluorimetric method. J. clin. Path., 15: 374

Meier, A.H. 1969. Antigonadal effects of prolactin in the white-throated sparrow, Zonotrichia albicollis. Gen.Comp. Endocrinol.,13: 222-225.

Meier, A.H. 1975. Chronoendocrinology of vertebrates. In: "Hormonal correlates of behavior" (Elefthesiou, B.E. and Sprott, R.L.,Eds), Vol,2, Plenum press, New York, pp. 469-549.

Meier, A.H. and Cincotta,A.H. 1993. Circadian neuroendocrine basis for lipid metabolism and related disorders. In "Chronobiology" (Pati, A.K., Ed.),RSU Raipur, pp. 1-10.

Meier, A.H. and Dusseau, J.W. 1973.Daily entrainment of the photoinducible phases for photostimulation of the

reproductive system in the sparrow, Zonotrichia albicollis and Passer domesticus. Biol. Reprod., 8: 400-410.

Meier, A.H. Martin, D.D. and MacGregor, R.1971. Temporal synergism of corticosterone and prolactin controlling gonadal growth in sparrow. Science, 173: 1240-1242.

Moens, L and Coessens,R. 1970. Seasonal variations in the adrenal cortex cells of the house sparrow, Passer domesticus (L), with special reference to a possible zonation. Gen. Comp. Endocrinol., 15: 95-100.

Munshi,J.S. Pandey, B.N., Choubey, B.J. and Pandey, P.K. 1978. Studies on cyclic activities of adrenocortical tissues and its relation with gonadal cycle in air breathing fish, Heteropneustes fossilis. Zool. Beitr.

Murton, R.K. and Westwood, N.J. 1977. Reproductive apparatus of the male. In: Avian breeding cycles. pp. 47-76. Clarenden press, Oxford.

Murton, R.K. and Westwood, N.J. 1977. Endocrine secretion and photoperiodism. In "Avian breeding cycles". Clarendon press, Oxford pp. 308-339.

Musuda, A. and Oishi, T. 1989. Effect photoperiod,

temperature and testosterone treatment on plasma T_3 and T_4 levels in the Djungarian hamster, Phodopus sungorus. Experientia (Basel), 45: 102-103.

Nagra, C.L. and Meyer, R.K. 1963. Influence of corticosterone on the metabolism of palmitate and glucose in cockerels. Gen. Comp. Endocrinol., 3: 131-138.

Nagra, C.L., Breitenbach, R.P. and Meyer, R.K. 1963. Influence of hormones on food intake and lipid deposition in castrated pheasants. Poult. Sci., 42: 770-775.

Nalini, A. and Dixit, R.K. 1976.Studies on the seasonal histological changes in the interrenal and chromaffin cells of male puntius sophora (ham) in relation to its reproductive cycle. Z. Mikrosk. Anat. Forsch. (Leipz), 90(5): 925-932.

Natarajan, V., Davidson, M.B. and Hutchinson, A. 1987. Possible role for glucose fatty acids cycle in dexamethasone induced insulin antagonism in rats. Metab. Clin. Exp., 36: 883-891.

Nathani, M.G., Nath, I.N., Daginawala, H.F. and Nath, M.C. 1971.Ascorbic acid metabolism in adrenalectomised rats. Metabolism. 20: 1036. 1043.

Nicholls, T.J., Goldsmith, A.R. and Dawson, A. 1988.Photorefractoriness in birds and comparison with mammals. Physiol. Rev., 68: 133-176.

Nikolarakis, K.E. Almeida, O.F.X. and Herz, A. 1990. Attenuation of the inhibitory action of corticotropin releasing hormone on luteinizing hormone secretion after chronic opioid receptor occupation. In: Neuroendocrine perspectives. (Muller, E.E. and Maclead, R.M. Eds.), Vol.6. pp. 127-133. Springer Verlag.

Oishi, T and Konishi, T 1978. Effect of photoperiod and temperature on testicular and thyroid activity of japanese quail. Gen. Comp. Endocrinol., 36: 250-254.

Olefsky, J.M. and Kimmerling,G. 1976.Effects of glucocorticoids on carbohydrate metabolism. Am. J. Med. Sci.,2: 202-210.

O'Neill, I.E. and Langslow, D.R. 1978.The action of hydrocortisone, insulin and glucagon on chicken liver hexokinase and glucose-6-phosphatase and on the plasma glucose and free fatty acid concentration. Gen. Comp. Endocrinol., 34: 428-437.

Overbeek, G.K. 1985. Hormonal regulation of ascorbic acid in the adrenal of rat. Acta. Endocrinologica., 109: 393-402.

Pankakoshi, E. and Klans, M.T. 1982. Relation of adrenal weight to sex, maturity and season in five species of small mammals. Ann. Zool. Fenn., 19: 225-232.

Patel, C.D. 1982. Certain investigations on the involvement of pineal in general metabolism and seasonal physiology of the feral blue rock pigeons. Columba livia. A Ph.D thesis, M.S. University of Baroda.

Patel, C.S. 1993. Pineal, pineal indoles and photoperiodism in relation to seasonal reproductive functions and metabolism physiology of male feral blue rock pigeons, Colimba livia. A Ph.D thesis, M.S. University of Baroda. pp. 1-197.

Patel, M.M. and Ramachandran, A.V. 1989.Seasonal alterations in glucagon and adrenalin responses in normal and pinealectomised wild pigeons, Columba livia. Indian. J.Exp. Biol.,27: 412-416.

Patel, M.M. and Ramachandran, A.V. 1992. In vitro influence of hormones on transport of glucose and glycogen in liver and muscle of pinealectomised pigeons, Columba livia.

Gmellin. Indian J. Exp. Biol., 30: 211-213.

Patel, C.D., Asnani, M.V., Ramachandran, A.V. and Shah, R.V. 1983.Seasonal variations in certain blood parameters in normal and pinealectomised blue rock pigeons, Columba livia. J Anim.Morphol. Physiol., 30: 208-216.

Patel, C.D., Mehan, S.P., Shah, R.V. and Ramachandran, A.V. 1988. Seasonal alterations in the glycogen content of liver, muscle and gonads and blood glucose level in intact and pinealectomised wild pigeons, Columba livia, Comp. Endocrinol. (Life Sci. Adv.) 7: 75-79.

Patel, C.D., Ramachandran, A.V., Asnani, M.V., and Shah, R.V. 1985.Seasonal histological alterations in thyroid and adrenal glands of normal and pinealectomised wild pigeons. (Columba livia). J. Anim. Morphol. Physiol., 32: 153-160.

Pathak, V.K. and Chandola, A 1983. Seasonal variations in circulatory thyroxine and triiodothyronine concentrations in spotted munia, Lonchura punctulata. Gen. Comp. Endocrinol., 50: 201-204.

Peczely, P. 1985. The role of thyroid and adrenal cortical hormones in the modulation of the gonadal functions in birds. Acta Biol. Hung., 36(1): 45-70.

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Peczely, P. 1989. The role of gonadotropin releasing hormone GnRH in the regulation of gonadal functions of birds. Acta. Biol. Hung., 40: 161-193.

Pierluissi, J., Navas, F.O. and Ashcroft, S.J.H. 1986. Effect of adrenal steroids on insulin release from cultured rat islets of langerhans. Diabetologia., 29: 119-121.

Pitis, M., Nicolescu, A. and Tasca, C. 1970.Effect of pinealectomy on the gonads on newly born and immature rats. Rev. roum. Endocrinol., 7: 37-41.

Ralph, C.L. 1978.Pineal control of reproduction: Non mammalian vertebrates. Prog. reprod. Biol., Vol.4, pp. 30-50. Karger, Basel.

Ralph, C.L. 1981. The pineal and reproduction in birds.In: "The Pineal Gland". (R.J. Reiter, Ed.), Vol 2, pp. 31-43.CRC press, Boca Raton. FL.

Ramachandran, A.V. and Patel, M.M. 1986. Seasonal histomorphological alterations of adrenals and thyroid in normal and pinealectomised domestic pigeons, Columba livia. Indian. J.Exp. Biol., 24: 755-759.

Ramachandran, A.V. and Patel, M.M. 1987. Seasonal alterations in carbohydrate metabolism as revealed by tissue glycogen content and blood glucose levels of normal and pinealectomised domestic pigeons.(Columba livia), Monitore zool. ital., 21: 11-19.

Ramachandran, A.V. and Patel, M.M. 1988. Histomorphological alterations in gonads of normal and pinealectomised domestic pigeons, Columba livia., during breeding and post-breeding phases. Indian. J.Exp. Biol., 26: 835-838.

Ramachandran, A.V. and Patel, M.M. 1989. Seasonal differences in glucose tolerance and insulin response of pinealectomised pigeons (Columba livia). J. Pineal. Res., 6 : 209-219.

Ramachandran, A.V., Patel, C.D., Asnani, M.V. and Shah, R.V. 1987. Seasonal histomorphological changes in gonads of normal and pinealectomised feral blue rock pigeons. Columba livia (Gmelin) Monitore. zool. ital. (N.S.) 21: 1-10.

Reiter, R.J., Blask, D.E. and Vaughan, M.K. 1975. A countergonadotrophic effect of melatonin in male rats Neuroendocrinology, 19: 72.

Riddle, O.,Honeywell, H.E. and Fisher, W.S. 1924. as Cited

by Holmes, W.N. and Phillips, J.G. Adrenal cortex of Birds" pp.291-240. In: General, Clinical and Comparative Endocrinology of Adrenal Cortex. pp. 1-146. Academic press, London, New York, San Francisco.

Roe, J.H. 1954. Chemical determination of ascorbic acid, dehydroascorbic acid and diketogulonic acids. In:Methods of Biochemical analysis. Vol.1 (GLick, D.Ed.), Interscience publishing Inc.New York. pp. 115-139.

Saadoun, A, Simpson, J. and Leclerq, B. 1987. The effect of exogenous corticosterone in genetically fat and lean chicken. British Poult. Sci., 28: 519-528.

Sakai, H. and Ishii, S. 1986. Annual gonadal cycles of plasma gonadotrophins and sex-steroids in japanese common pheasants, Phasianus colchicus versicolor. Gen. Comp. Endocrinol., 63: 275-283.

Saxena, R.N., Malhotra, L., Ravikant and Baweja, P.K. 1979. Effect of pinealectomy and seasonal changes on pineal antigonadotrophic activity of male Indian weaver bird. Ind. J.Exp. Biol., 17: 732-735.

Sayler, A. and Wolfson, A, 1967. The avian pineal gland. A progonadotrophic response in the japanese quail (Coturnix

coturnix japonica). Science. 158: 1478-1479.

Sayler, A and Wolfson, A. 1968. Influence of pineal gland on gonadal maturation in japanese quail. Endocrinology., 83: 1237-1246.

Seifer, S., Dayton, S., Novic, and Muntwyler, E. 1950. The estimation of glycogen with anthrone reagent. Arc. Biochem., 25: 191-200.

Silverin, B. 1979. Activity of the adrenal glands in the Pied flycatcher and its relation to testicular regression. Gen. Comp., Endocrinol., 38: 162-171.

Silverin, B. 1980. Seasonal changes in the activity of the thyroid glands and interaction with testicular function in the pied fly catcher Ficedula hypoleuca. Gen. Comp. Endocrinol., 41: 122-129.

Simon, J. 1984. Effect of daily corticosterone injection upon plasma glucose, insulin, uric acid, and electrolytes and food intake pattern in the chicken. Diabete and metabolisme., 19: 211-217.

Singh, S. and Chandola, A. 1982. Seasonal variation in photogonadal response of the tropical weaver bird. Gen.

Comp. Endocrinol., 48: 123-129.

Sinha, C. and Lahiri, S. 1964. Effect of corticotropin on the concentration of Vitamin C in tissue of mice. Ind.J.Exp.Biol.,2: 102

Sistare, F.D. and Haynes, R.C. Jr. 1985. Acute stimulation by glucocorticoids of gluconeogenesis from lactate/pyruvate in isolated hepatocytes from normal and adrenalectomised rats. J. Biol. Chem., 260: 12754-12760.

Smith, M.J. and Brereton, L.G. 1976. Annual gonadal and adrenal cycles in the eastern rosella, Platycercus eximius. Aust. J. Zool., 24: 541-556.

Soule, J. and Assenmacher, I. 1966. Mice en evidence d'un cycle annual de al function corticosurre nalienne chez le canard male. C.R.Acad.Sci., 263: 983-985.

Stalsberg, H. 1965. Effect of extirpation of the epiphysis cerebri in 6-day chick embryo's Acta. Endocrinol.Suppl., 97: 1-119.

Stetson, M.H., Lewis, R.A., and Farner, D.S. 1973. Some effects of exogenous gonadotropins and prolactin on photostimulated and photorefractory white-crowned sparrows.

Gen.Comp.Endocrinol., 21: 424-430.

Stewart, C.P., Horn, D.B. and Robson, J.S. 1953. Effect of cortisone and adrenocorticotropic hormone on the dehydroascorbic acid of human plasma. Biochem.J., 53: 254-

Stubbs, D.W. and McKernan, J.B. 1967. A sexual influence onthe biosynthesis and storage of L-ascorbic acid in rats. Proc.Soc.Exp.Biol.Med., 125: 1326-1328.

Taouis, M., Deronel, M.,Chevalier, B. and Simon, J. 1993. Corticosterone effect on insulin receptor number and enzyme kinase activity in chicken muscle and liver. Gen.Comp.Endocrinol., 89: 167-175.

Thapliyal, J.P. 1981. Endocrinology of avian reproduction: Presidential address. In "Proceedings, 68th Session of Indian Science Congress Association, Varanasi", pp. 1-30.

Thapliyal, J.P. 1993. Environmental regulation of annual reproduction in Lal munia, Estrilda amandava. In: "Chronobiology" (Pati, A.K., Ed). pp. 23-33.

Thapliyal, J.P. and Bageshwar, K. 1970. Light response of thyroidectomy and replacement therapy on the adrenal and testis of the bird Myna Acridotheres tristis. Ann.

Endocrinol. 37: 439-444.

Thapliyal, J.P. and Chandola, A. 1972. Thyroid in wild finches, Proc Nat. Acad.Sci.,USA, B 42, part I, pp. 1-11.

Thapliyal, J.P. and Chaturvedi, C.M. 1976. Effects of thyroidectomy and replacement therapy on the adrenal and testis of the bird Myna Acridotheres tristis, Ann. Endocrinol., 37: 433-443.

Thapliyal,J.P. and Gupta, B.B.P. 1989. Reproductive cycles of birds In "Reproduive cycles of Indian vertebrates", (S.K. Saidapur, Ed.), pp.273-310.

Thapliyal,J.P. and Pandha, S.K. 1967a. The thyroid and the hypophysial gonadal axis in the female spotted munia. Uroloncha punctulata. Gen.Comp.Endocrinol., 8: 84-93.

Thapliyal,J.P. and Pandha, S.K. (1967b). Thyroidectomy and gonadal recrudescence in Lal munia. Estrilda amandava. Endocrinology. 81: 915-918.

Thapliyal, J.P., Pati, A.K., Singh, V.K. and Lal, P. 1982. Thyroid, gonad and photoperiod in the haemopoiesis of migratory red-headed bunting, Emberiza bruniceps. Gen.Comp.Endocrinol., 46: 327-332.

Underwood, H. 1989. The pineal and melatonin: Regulators of circadian function in lower vertebrates. Experentia, 45: 914-922.

Van-Tienhoven, A. 1961. Endocrinology of reproduction in birds. In: "Sex and Internal Secretions." (W.C. Young. Ed.), 3rd ed. Vol.2 pp 1088-1169, Williams and Wilkins, Baltimore.

Wilson, F.E. and Follet, B.K. 1975. Corticosterone-induced gonadosuppression in photostimulated tree sparrow. Life Sci., 17: 1451-1456.

Winkers, P.L.M. and Jacobs,Ph. 1971. Determination of glucose in blood using o-Toludine. Clin. chim. Acta., 34: 401.

Wingfield, J.C., and Farner, D.S. 1980. Control of seasonal reproduction in temperate zone birds.
Prog. Reprod. Biol., 5: 62-101.

Woitkevitch, A.A. 1940. Dependence of seasonal periodicity in gonadal changes on the thyroid gland in Sturnus vulgaris L. Dokl. Akad. Nauk. SSSR. 27: 741-745.