

BIBLIOGRAPHY

- Abe, B. and Shimizu, N. 1964. Histochemical method for demonstrating aldolase. Histochemie., 4:209-212.
- Abraham, S. and Chaikoff, I.L. 1959. Glycolytic pathway and lipogenesis in mammary glands of lactating and non-lactating normal rats. J. Biol. Chem., 234:2246.
- Adachi, K. and Uno, H. 1968. Glucose metabolism of growing and resting human hair follicles. Am. J. Physiol., 215:1234-1239.
- Adams, E. and Finnegan, C.V. 1965. An investigation of lactate dehydrogenase activity in early amphibian development. J. Exp. Zool., 158:241-252.
- Adelmann, B. 1966. Marcello Malpighi and the evolution of embryology Vol. 5. Cornell University Press, Ithaca, New York.
- Anagnostopoulos, C. and Matsudaira, H. 1958. In "Proceedings of the international symposium on enzyme chemistry, Tokyo-Kyoto". Ed. K. Ichihara, p.166. Academic Press, New York.
- Anstall, H.B. and Trujillo, J.M. 1967. Glucose-6-phosphate dehydrogenase: Its purification and properties. Am. J. Clin. Path., 47:296-302.

- Argyris, T.S. 1956. Succinic dehydrogenase and esterase activities of mouse skin during regeneration and foetal development. Anat. Record, 126:1-13.
- Asnani, M.V. 1971. Ph.D. thesis entitled "Certain histological and histophysiological studies on the avian liver", submitted to the M.S. University of Baroda, Baroda-2, India.
- Asnani, M.V., Pilo, B. and Shah, R.V. 1972. Wound healing and repair in pigeon liver. II. Histochemical studies on fat, glycogen and enzymes like lipase, esterase; β -hydroxybutyrate dehydrogenase, lactate dehydrogenase and succinate dehydrogenase. J. Anim. Morphol. Physiol., 19:34-42.
- Backstrom, S. 1959. Activity of glucose-6-phosphate dehydrogenase in sea urchin embryos of different developmental trends. Exptl. Cell Res., 18:347-356.
- Backstrom, S., Hultin, K. and Hultin, T. 1960. Pathways of glucose metabolism in early sea urchin development. Exptl. Cell Res., 19: 634-636.
- Baden, H.P. and Maderson, P.F.A. 1970. Morphological and biophysical identification of fibrous proteins in the amniote epidermis. J. Exp. Zool., 174:225-232.
- Baconsfield, P. and Carpi, A. 1964. Localisation of an infectious lesion and glucose metabolism via pentose phosphate pathway. Nature, 201: 825.

- Baconsfield, P. and Reading, H.W. 1964. Pathways of glucose metabolism and nucleic acid synthesis. Nature, 202:464.
- Baldwin, E. 1952. Dynamic aspects of Biochemistry. 2nd edition, University Press, Cambridge.
- Baldwin, J. and Aleksuk, M. 1973. Adaptation of enzymes to temperature: Lactate and malate dehydrogenases from platypus and echidna. Comp. Biochem. Physiol., 44B:363-370.
- Balinsky, B.I. 1960. "An introduction to embryology". Saunders, Philadelphia, Pennsylvania.
- Baker, J.R. 1946. The histochemical recognition of lipine. Quart. J. Micro. Sci., 87:441-470.
- Barka, T. 1963. Fat absorption and acid phosphatase activity in the intestinal epithelium of mice. J. Am. Med. Ass., 183:761.
- Baronowski, T. 1949. Crystalline glycerophosphate dehydrogenase from rabbit muscle. J. Biol. Chem., 180:535.
- Beard, M.E. and Allen, J.M. 1966. Association of lactate dehydrogenase with renal mitochondria. J. Histochem. Cytochem., 14:810.
- Bell, E. and Thathachari, Y.T. 1963. Development of feather keratin during embryogenesis of the chick. J. Cell Biol., 16:215-223.

- Billiar, R.B., Zelewski, L. and Villie, C.A. 1966. L- Malate dehydrogenase activity and protein synthesis in sea urchin embryos. Dev. Biol., 13: 282-295.
- Blanchaer, M.C., Van wijhe, M. and Mozersky, D. 1963. The oxidation of lactate and OC glycerophosphate by red and white skeletal muscle. 1. Quantitative studies. J. Histochem. Cytochem., 11: 500-505.
- Boell, E.J. 1955. In: "Analysis of development". B.H. Willier, P. Weiss, V. Hamburger, Eds. pp 520-555. Saunders, Philadelphia, Pennsylvania.
- Bokdawala, F.D. 1965. Ph.D. thesis entitled "Histophysiological studies on vertebrate red and white skeletal muscles" submitted to the M.S. University of Baroda, Baroda-2, India.
- Bokdawala, F.D. and George, J.C. 1964. Histochemical demonstration of muscle lipase. J.Histochem.Cytochem., 12:768-771.
- Boxer, G.E. and Shonk, C.E. 1960. Low levels of soluble DPN-linked alpha-glycerophosphate dehydrogenase in tumors. Cancer Res., 20:85.
- Boxer, G.E. and Delvin, T.M. 1961. Pathways of intracellular hydrogen transport. Science, 134:1495.

- Brachet, J. 1950. "Chemical embryology". Interscience Publishers, Inc., New York.
- Brachet, J., Decroby-Briers, M. and Hoyez, H. 1958. Contribution a letude des lysosomes au cours du developpement embryonnaire. Bull. Soc. Chim. Biol., 40:2039-2048.
- Bradfield, J.G.R. 1950. The localization of enzymes in cells. Biol. Revs., 25:113-157.
- Braun-Falco, O. and Rupec, M. 1967. Distribution of acid phosphatase with normal and psoriatic cornification (an electron microscopic cytochemical investigation). Dermatologica (BASEL), 134:225-242.
- Brdiczka et al., 1968. As cited by Pilstrom, L. and Karl heinz Kiessling, 1972.
- Broyles, R.H. and Strittmatter, C.F. 1971. Hexose monophosphate shunt dehydrogenase during sea urchin development. Exptl. Cell Res., 67:471-474.
- Broyles, R.H. and Strittmatter, C.F. 1973. Hexose monophosphate shunt dehydrogenases in the developing frog. Comp. Biochem. Physiol., 44:667-676.
- Burstone, M.S. 1962. Enzyme histochemistry and its applications in the study of neoplasms. Academic Press, New York.

- Burt, A.M. 1965. G6PDH activity in the embryonic brachial spinal cord. Dev. Biol., 12:231-232.
- Burt, A.M. 1966. The relative importance of glycolytic and pentose cycle metabolism during the development of the chick spinal cord. Anat. Rec., 154:325.
- Burt, A.M. 1967. Glucose metabolism and chick neurogenesis: Glucose-6-phospho fructokinase and aldolase activity in the embryonic brachial spinal cord. J. Exp. Zool., 165:317-324.
- Burt, A.M. and Wenger, B.S. 1961. Glucose-6-phosphate dehydrogenase activity in the brain of the developing chick. Dev. Biol., 3:84-95.
- Buno, W. and Germino, N.I. 1958. Distribution of SDH in the organs of adult albino rat. Acta. Anat., 33:161-174.
- Cain, A.J. 1947. The use of Nile Blue in the examination of lipoids. Quart. J. Micro.Sci., 88:383-392.
- Carranza, F.A. Sr. and Cabrini, R.L. 1962. Histochemical demonstration of acid phosphatase in healing wound. Science, 135:672.
- Chefurka, W. 1957. Oxidative metabolism of carbohydrates in insects. II. Glucose-6-phosphate dehydrogenase and 6-phosphogluconate dehydrogenase in house fly (Musca domestica). Enzymologia Acta Biocatalytica, 18:209.

- Chefurka, W. 1958. Oxidative metabolism of carbohydrates in insects. III. Hexose monophosphate oxidative cycle in the house fly (Musca domestica). Canad. J. Biochem. Physiol., 36:83.
- Chefurka, W. 1965. Glucose metabolism in insects. Proc. Internl. Congr. Biochem. Vol.XII, 4th Vienna Symposium on Biochemistry of insects. p.115. Pergamon Press, New York.
- Chouchkov, H. 1969. Histochemical demonstration of some dehydrogenases and NADH diaphorase in cat pacinian corpuscles. Histochemie, 17:368-374.
- Coffey, R.G., Cheldelin, V.H. and Newburgh, R.W. 1964. Glucose utilisation by chick embryo heart homogenates. J. Gen. Physiol. 48:105-112.
- Cohen, R.B. 1959. Histochemical localization and metabolic significance of glucose-6-phosphate dehydrogenase system in adrenal cortex. Proc. Soc. Exp. Biol. Med., 101:403.
- Cohen, J. 1966. Feathers and patterns. In: Abercrombie, M. and Brachet, J. Eds. "Advances in morphogenesis", 5:1-38. Academic Press, New York and London.
- Cohen, J. and Espinasse, P.G. 1961. On the normal and abnormal development of the feather. J. Embryol. Exptl. Morphol., 9:223-251.

- Cohen, S.S., Barner, H.D. and Lichtenstein, J. 1961.
J. Biol. Chem., 236:1448. As cited by Philip Grant
1965. Informational molecules and embryonic
development. In: "Biochemistry of animal development",
Vol. I. R. Weber (Ed), Academic Press, New York
and London.
- Conklin, J.L. 1965. Enzyme localization in the developing
liver. Anat. Rec., 151:447.
- Conklin, J.L. 1966. Histochemical localization of enzymes
in the embryonic chick liver. J. Exp. Zool., 161:251-270.
- Conklin, J.L., Dewey, H.M. and Kahn, R.H. 1962. Cytochemical
localization of certain oxidative enzymes. Am. J.
Anat., 110:19-27.
- Criss, W.E. and McKerns, K.W. 1968. Purification and partial
characterisation of glucose-6-phosphate dehydrogenase
from cow adrenal cortex. Biochemistry, 7:125-134.
- Cristofalo, V.J., Parris, N. and Kritchevsky, D. 1967. Enzyme
activity during the growth and aging of human cells
in vitro. J. Cell Physiol., 69:263-272.
- Danielli, J.F. 1954. Proc. Roy. Soc., B142:146-154.
Cited by Burstone (1962).

- Dianzani, M.U. 1951. La Riparazione de la Alfa-Glicero-fosfatodei drogenasi nelle cellule epatiche di ratti normal di ratti con degenerazione grassa del fegato. Arch. Fisiol., 50: 187.
- Dubale, M.S. and Muralidharan, P. 1970. Histochemical studies on the fibre types in the developing jaw-muscles of domestic fowl (Gallus domesticus). Life Sciences, 9:949-959.
- Duffy, P. and Sanderson, J.C. 1971. Studies on the control of lactate dehydrogenase activity in mammalian cells. II. Demonstration of rapid continuous variations in lactate dehydrogenase activity in human erythrocytes and their relation to a biological activator and an inhibitor of lactate dehydrogenase. Biochim. Biophys. Acta, 244:613-617.
- Duve, C. de. 1959. Lysosomes, a new group of cytoplasmic particles. In: "Subcellular Particles". T. Hyashi (ed), Ronald Press Co., New York, pp. 128-159.
- Duve, C. de., Wattiaux, R. and Baudhuin, P. 1962. Distribution of enzymes between subcellular fractions in animal tissues. Advanc. Enzymol., 24:291-358.
- Eckhout, Y. 1965. Cited from R. Weber (1967).

- Ehlers, N. 1970. Morphology and histochemistry of the corneal epithelium of mammals. Acta Anat., 75:161-198.
- Englard, S. and Breiger, H.H. 1962. Beef-heart malic dehydrogenase. II. Preparation and properties of crystalline supernatant malic dehydrogenase. Biochim. Biophys. Acta., 56:571-583.
- Eränko, O. 1951. Histochemical evidence of intense phosphatase activity in the hypothalamic magnocellular nuclei of the rat. Acta Physiol. Scand., 24:1-6.
- Estabrook, R.W. and Sacktor, B. 1958. Alpha-glycerophosphate oxidase of flight muscle mitochondria. J. Biol.Chem., 22: 29.
- Fell, H.B. and Danielli, J.F. 1943. The enzymes of healing wounds. I. The distribution of alkaline phosphomonoesterase in experimental wounds and burns in rat. Brit. J. Exptl. Path., 24:196-203.
- Firth, J.A. and Hicks, R.M. 1972. Membrane specialization and synchronized cell death in developing rat transitional epithelium. J. Anat., 113:95-107.
- Flexner, L.B., Flexner, J.B., Roberts, R.D. and Haba, de la. G. 1960. Lactic dehydrogenase of the developing cerebral cortex and liver of the mouse and guinea pig. Dev. Biol., 2: 313-328.

- Fredrickson, D.S. and Gordon, R.S. 1958. Transport of fatty acids. Physiol. Rev., 38:585-630.
- Fried, G.H. and Antopol, W. 1959. Alpha-glycerophosphate oxidation in tissues of rat and mouse. Federation Proc., 18:1880.
- Fritz, P.J. 1965. Rabbit muscle lactate dehydrogenase 5. A regulatory enzyme. Science, 150:364-366.
- Fronius, K.S. and Hajos, F. 1970. Electron microscopic demonstration of energy production and coupled respiration of in situ mitochondria. J. Histochem. Cytochem., 81:740-745.
- Fullmer H.M. 1963. Dehydrogenases in developing teeth of rats. J. Histochem. Cytochem. 11:641-644.
- George, J.C. and Ambadkar, P.M. 1963. Histochemical demonstration of lipids and lipase activity in rat testis. J. Histochem. Cytochem., 11:420-425.
- George, J.C. and Berger, A.J. 1966. "Avian Myology". Academic Press, New York.
- George, J.C. and Bhakthan, N.M.G. 1963. In vitro lipase activity and the oxidation of butyrate by the honey bee flight muscle. J. Ins. Physiol., 9:311-315.
- George, J.C. and Eapen, J. 1959. Further histochemical observations on the adipose tissue of the pigeon. J. Anim. Morphol. Physiol., 6: 30-33.

- George, J.C. and Hegdekar, B.M. 1961. Histochemical demonstration of succinic dehydrogenase in the fat body of the desert locust and some grasshoppers. J. Histochem. Cytochem., 9:157-160.
- George, J.C. and Iype, P.T. 1959. A study on the lipase activity in the developing chick heart. J. Exptl. Zool., 41:291.
- George, J.C. and Iype, P.T. 1963. Lipase activity of pigeon breast muscle particulate fractions and its metabolic significance. Am. J. Physiol., 204:165-167.
- George, J.C. and Jyoti, D. 1957. Studies on the structure and physiology of the flight muscles of birds. 2. The relative reduction of fat and glycogen in the pectoralis major during sustained activity. J. Anim. Morphol. Physiol., 4:119-123.
- George, J.C. and Jyoti, D. 1958. Studies on the structure and physiology of the flight muscles of bats. 2. The relative reduction of fat and glycogen in the pectoralis major muscle during sustained activity. J. Anim. Morphol. Physiol., 5:57-60.
- George, J.C. and Scaria, K.S. 1958. A histochemical study of dehydrogenase activity in the pectoralis major muscle of the pigeon and certain other vertebrate skeletal muscles. Quart. J. Micr. Sci., 99: 469-473.

- George, J.C. and Talesara, C.L. 1961. Histochemical and cytochemical observations on the succinic dehydrogenase and cytochrome oxidase activity in pigeon breast muscle. Quart. J. Micr. Sci., 102:131-141.
- Germino, N.I., Dalbora, H. and Wahrmann, J.P. 1965. Succinic dehydrogenase in the development of the skeletal muscles of chicks. Acta. Anat., 62:434-444.
- Ghiretti, F. 1950. On the activity of acid and alkaline phosphatase during tail regeneration in Triturus cristatus (Laur). Experientia , 6:98-100.
- Glenner, G.G. and Burstone, M.S. 1958. Esterase and phosphatase activity in Necturus maculosus. A study in comparative histoenzymology. Anat.Rec., 130:243-249.
- Glock, G.E. and Mc Lean, P. 1954. Levels of enzymes of the direct oxidative pathway of carbohydrate metabolism in mammalian tissues and tumours. Biochem. J., 56: 171-175.
- Goff, R.A. 1949. Development of the mesodermal constituents of the feather germs of chick embryos. J. Morph., 85:443-482.
- Gomori, G. 1941. Distribution of acid phosphatase in the tissues under normal and pathological conditions. Arch. Path., 32:189-199.

- Green, D.E. 1936. Alpha-glycerophosphate dehydrogenase.
Biochem. J., 30:629.
- Greenfield, P.C. and Boell, E.J. 1968. Succinic dehydrogenase and cytochrome oxidase of mitochondria of chick liver, heart and skeletal muscle during embryonic development. J. Exp. Zool., 168: 491-500.
- Greenfield, P.C. and Boell, E.J. 1970. Malate dehydrogenase and glutamate dehydrogenase in chick liver and heart during embryonic development. J. Exp. Zool., 174:115-123.
- Gustafson, T. 1954. Intern. Rev. Cytol., 3:277 as cited by Gustafson, T. 1965. Morphogenetic significance of biochemical patterns in sea urchin embryos. In: "Biochemistry of Animal Development", R. Weber (Ed.) Vol. I, Academic Press, New York and London.
- Gustafson, T. and Hasselberg, I. 1951. Studies on enzymes in the developing sea urchin egg. Exptl. Cell. Res., 2:642-672.
- Hamilton, H.L. 1955. Relation between alkaline phosphatase, beryllium, and morphogenesis of the feather. Anat. Rec., 122:418-419.
- Hamilton, H.L. 1965. Chemical regulation of development in the feather. In: "Biology of the skin and hair growth". Eds. A.G. Lyne and B.F. Short, Angus and Robertson, Sydney.

- Hamilton, H.L. and Koning, A.L. 1956. The effects of a phosphatase inhibitor on the structure of the developing down feather. Am. J. Anat., 99:53-73.
- Hammer, S.P. and Mottet, N.K. 1971. Tetrazolium slat and electron microscopic studies of cellular degeneration and necrosis in the interdigital areas of the developing chick limb. J. Cell Sci., 8;229-251.
- Hazel, J.R. 1972. Effect of temperature acclimatization upon succinic dehydrogenase activity from the epaxial muscle of common gold fish (*Carassius auratus*)-11. Lipid reactivation of the soluble enzyme. Comp. Biochem. Physiol., 43:(4),863-882.
- Heramann, H. and Tootle, M.L. 1964. Specific and general aspects of the development of enzymes and metabolic pathways. Physiol. Rev., 44:289-371.
- Hinsch, G.W. and Buxbaum, S.K. 1965. Histochemistry of the developing chick oesophagus and trachea. 1. Alkaline phosphatase. J. Morph., 116:109-116.
- Hopwood, D. 1968. Adrenal oxidative enzymes in ox and sheep: The histochemical demonstration of some pathways involved in chromaffin granule synthesis. Histochemie , 16:85-91.

- Hosker, A. 1936. Studies on the epidermal structures of birds. Roy. Soc. London Phil. Trans. (Ser. B), 226: 143-188.
- Hoskins, F.C.G. 1959. Intermediate metabolism of electric tissue in relation to function. III. Oxidation of substrates by tissues of Electrophorus electricus as compared to other vertebrates. Arch. Biochem. Biophys., 85:141-148.
- Ishimura, K. and Fujie, K. 1970. A histochemical study on the correlation between secretory activity and the TCA cycle in the gland cell. Histochemie., 21:314-321.
- Jacobson, A.G. 1966. Inductive processes in embryonic development. Science, 152:25-34.
- Jarret, A. and Spearman, R.I.C. 1964. "Histochemistry of the skin: Psoriasis". A monograph on normal and abnormal parakeratotic keratinization. English Universities Press, London.
- Johnson, P.L. and Bevelander, G. 1946. Glycogen and phosphatase in the developing hair. Anat. Record, 95:193-199.
- Junquiera, L.C.U. 1950. Alkaline and acid phosphatase distribution in normal and regenerating tadpole tails. J. Anat. Lond., 84:369-373.

- Juranad, A. 1964. Ultrastructural aspects of early development of the forelimb buds in the chick and the mouse. Proc. R. Soc., B. 162:387-405.
- Kaplan, E.H., Still, J.L. and Mahler, H.R. 1951. Studies on the cytophosphate system. XVIII. The oxidoreductions of glycolysis. Arch. Biochem. Biophys., 34:16.
- Kennedy, E.P. 1954 (cited by Goodwin, T.W., 1960).
Goodwin, T.W. 1960. Recent advances in biochemistry.
J. and A. Churchill. Ltd., 104: Gloucester Place,
London, W.I.
- Kennedy, E.E. 1961. Federation Proc. (20.p.934)
(Biosynthesis of complex lipids) Metabolism ,
10:535.
- Kitto, G.B. and Lewis, R.G. 1967. Purification and properties of tuna supernatant and mitochondrial malic dehydrogenases. Biochem. Biophys. Acta ,
139: 1-15.
- Khan, M.A. and George, J.C. 1967. Histochemical demonstration of mitochondrial localization of acid and alkaline phosphatase in skeletal muscle. J. Anim. Morphol. Physiol., 14:98-102.

- Klicka, J. and Kaspar, J.L. 1970. Changes in enzyme activities of the hatching muscle of the chick (Gallus domesticus) during development. Comp. Biochem. Physiol., 36:803-809.
- Klockas, M. and Wegelius, O. 1969. Lysosomal enzyme in regenerating rat liver. Proc. Soc. Exp. Biol. Med., 131: 218-222.
- Kobayashi, H., Maruyama, K. and Kambara, S. 1955. Effect of thyroxine on the phosphatase activity of pigeon skin. Endocrinology, 57:129-133.
- Koning, A.L. and Hamilton, H.L. 1954. Localization of enzyme system, nucleic acids and polysaccharides during morphogenesis in the down feather of the chick. Am. J. Anat., 95:75-108.
- Kroon, D.B. 1952. Phosphatase and the formation of protein-carbohydrate complexes. Acta. Anat., 15: 317-328.
- Kun, E. and Volfin, P. 1966. Tissue specificity of malate dehydrogenase isozymes. Kinetic discrimination by oxaloacetate and its mono and difluoro analogues. Biochem. Biophys. Res. Comm., 22:187-193.
- Longdon, R.G. 1957. The biosynthesis of fatty acids in rat liver. J. Biol. Chem., 226: 615.

- Lasman, M. 1967. Observation on acid phosphatase in Myorella palastinensis. J. Cell. Physiol., 69:151-154.
- Lehninger, A.L., Sudduth, H.C. and Wise, J.B. 1960. D- B-hydroxybutyric dehydrogenase. J. Biol. Chem., 235:2450.
- Lewis, C., Schmitt, M. and Hershey, F.B. 1967. Heterogeneity of lactic dehydrogenase of human skin. J. Invest. Derm., 48:221.
- Lillie, F.R. 1940. Physiology of development of the feather. III. Growth of the mesodermal constituents and blood circulation in the pulp. Physiol. Zool., 13: 143-175.
- Lillie, F.B. 1942. On the development of feathers. Biol. Rev., 17(3):241-266.
- Lillie, F.R. and Juhn, M. 1932. The physiology and development of feathers. I. Growth rate and pattern in the individual feather. Physiol. Zool., 5: 124-184.
- Lillie, F.R. and Juhn, M. 1938. Physiology of development of the feather. II. General principles of development with special reference to the after-feather. Physiol. Zool., 11:434-448.

- Lillie, F.R. and Wang, H. 1941. Physiology and development of the feather. V. Experimental morphogenesis. Physiol. Zool., 14:103-133.
- Lillie, F.R. and Wang, H. 1943. Physiology and development of the feather. VI. The production and analysis of feather Chimaera in the fowl. Physiol. Zool., 16: 1-21.
- Lillie, F.R. and Wang, H. 1944. Physiology and development of the feather. VII. An experimental study of induction. Physiol. Zool., 17:1-30.
- Lockshin, R.A. and Williams, C.M. 1964. Programmed cell death. II. Endocrine potentiation of the break down of the intersegmental muscles of silk moths. J. Insect. Physiol., 10:643-649.
- Lockshin, R.A. and Williams, C.M. 1965. Programmed cell death. V. Cytolytic enzymes in relation to the breakdown of the intersegmental muscles of silk moths. J. Insect. Physiol., 11:831-844.
- Long, C. 1961. "Biochemists Handbook". D. Van Nostrand Co. Inc., Princeton, N.J.
- Lucas, A.M. and Stettenheim, P.R. 1972. In "Avian Anatomy; Integument", part II. Agriculture handbook, 362, United States department of Agriculture.

- Maderson, P.F.A. 1970. Lizard glands and lizard hands: Models for evolutionary study. Forma et Functio., 3:179-204.
- Maggi, V.M. and Cling, L.W. 1966. A study of acid phosphatase in mouse kidney using naphthol AS-BI Phosphate as substrate. Histochemie , 7:267-273.
- Magon, D.K. 1970. Ph.D. thesis entitled "Studies on the normal and regenerating tail of the house lizard, Hemidactylus flaviviridis; with emphasis on oxidative enzymes", submitted to the M.S. University of Baroda, Baroda-2, India.
- Malpighi, M. 1697 . "Opera posthuma aeneis Figuris illustrata". Cited by Lucas and Stettenheim, 1972.
- Malt, R.A. and Hartman, K.A. 1963. Infra-red spectra of embryonic chick feathers. Nature, 200:703-704.
- Matoltsy, G.A. 1969. Keratinization of the avian epidermis - an ultrastructural study of new born chick skin. J. Ultrastructure Res., 29: 438-458.
- Matthiessen, M.E. 1967. Comparative enzyme histochemical studies on the development of teeth in man, pig, and mouse; Alkaline phosphatase, acid phosphatase and unspecific As-esterase. Acta Anat., 66:375-386.

- Mc Kerns, K.W. 1966. Hormone regulation of the genetic potential through the pentose phosphate pathway. Biochem. Biophys. Acta., 121:207-209.
- Mc Whinnie, D.J. and Saunders, J.W. 1966. Developmental patterns and specificities of alkaline phosphatase in embryonic chick limb. Dev. Biol., 14:169-191.
- Mercer, E.H. 1961. "Keratin and keratinization". Pergamon Press, London.
- Michael, J.C. 1965. Distribution of dehydrogenases in the skin of Rhesus Monkey (Macaca mulatta). J. Histochem. Cytochem., 13(8):668-675.
- Miller, N.R. and Rafferty, N. 1969. Studies on the nature and localization of acid phosphatase in normal and lens-regenerating urodele eyes. I. Histochemical localization. J. Morph., 129:345-358.
- Mills, J.B. and Lang, C.A. 1972. Acid phosphatase profile during the life span of the mosquito. J. Gerontol., 27: No.3, 333-337.
- Misch, D. 1962. Localization of acid phosphatase in tissue of metamorphosing flesh-fly larvae. J. Histochem. Cytochem., 10:666-671.
- Mishra, D. and Mohanty, B. 1967. Diurnal variation of the acid phosphatase activity in the leaves of the cowpea. Planta, 75:239-242.

- Mishima, Y. 1964. Lysosomal and non-lysosomal acid phosphatase activity of the human skin. J. Cell. Biol., 23:122a.
- Mojamdar, M.V., Sharma, K.S., Chinoy, N.J. and Shah, Y.C. 1973. Biochemical and histochemical studies on white, brown and black skin regions at the guinea pig. Acta. Histochem. Cytochem., 6: No.2, pp.137-143.
- Montagna, W. 1962. "The structure and function of the skin". Academic Press, New York.
- Montagna, W. and Formisano, V. 1955. Histology and cytochemistry of human skin. VII. The distribution of succinic dehydrogenase activity. Anat. Rec., 122: 65-71.
- Moog, F. 1944. Localization of acid and alkaline phosphatases in the early embryogenesis of the chick. Biol. Bull., 86:51-80.
- Moog, F. 1946. The physiological significance of the phospho monoesterases. Biol. Revs., 21:41-59.
- Moog, F. 1950. The functional differentiation of the small intestine. I. The accumulation of alkaline phospho-monoesterase in the duodenum of the chick. J. Exp. Zool., 115: 109-129.

- Moog, F. 1951. The functional differentiation of the small intestine. II. The differentiation of alkaline phosphomonoesterase in the duodenum of the mouse. J. Exp. Zool., 118:187-207.
- Moog, F. 1965. Enzyme development in relation to functional differentiation. In: "The Biochemistry of Animal Development" Ed. R. Weber, Academic Press, New York and London.
- Moore, E.C. and Hurlburt, R.B. 1962. Reduction of cytidine nucleotides to deoxycytidine nucleotides by mammalian enzymes. Biochim. Biophys. Acta , 55:651-663.
- Morales, A.R. and Fine, G. 1966. Early human myocardial infraction: A histochemical study. Arch. Path., 82: 9-14.
- Moretti, G. and Mescon, H. 1956. A chemical and histochemical evaluation of acid phosphatase activity in human skin. J. Histochem. Cytochem., 4:247-253.
- Morgan, T.H. 1934. "Embryology and genetics". Columbia Univ. Press, New York.
- Morton, R.K. 1954. Purification of alkaline phosphatase of animal tissues. Biochem. J., 57:595-603.
- Morton, R.K. 1965. Phosphatases. In: "Comparative Biochemistry", Vol. 16, Ed. M. Florin and E.H. Stotz, pp 55-84. New York.

- Nachlas, M.M. and Snitka, T.K. 1963. Microscopic identification of early myocardial infarcts by alterations in dehydrogenase activity. Am. J. Path., 42:379-405.
- Nachlas, M.M., Tsov, K.C., De souza, E., Cheng, C.S. and Seligman, A.M. 1957 (as cited by Burstone, M.S., 1962).
- Nelson, J.S. and Wakefield, L.P. 1973. The quantitative histochemistry of the sympathoadrenal system. I. Enzymes of glycolysis. J.Histochem.Cytochem., 21:184-188.
- Nene, R.V. 1966. Ph.D. thesis entitled "A histophysiological study of certain striated muscles with special reference to those of the avian wing", submitted to the M.S. University of Baroda, Baroda-2, India.
- Newburgh, R.W., Buckingham, B. and Herrmann, H. 1962. Levels of TPN generating systems in chick embryos in ovo and in explants. Arch. Biochem. Biophys., 97:94-99.
- Noback, C.R. and Paff, G.H. 1951. Localisation of acid phosphatase in fibroblasts. Anat. Rec., 109:71-79.
- Novikoff, A.B. 1960. Biochemical and staining reactions of cytoplasmic constituents. In: "Developing cell systems and their control", Ed. D. Rudnick, The Ronald Press Company, New York, pp 167-203.

- Novikoff, A.B. 1961. Mitochondria (Chondriosomes). In:
"The cell", Vol. 2, Ed. J. Brachet and A.E. Mirsky,
Academic Press, New York and London, pp 423-488.
- Novikoff, A.B. 1963. Lysosomes in the physiology and pathology
of cells: Contribution of staining methods. In:
"Lysosomes". Eds. A.V.S. de Rueck and M.P. Cameron,
CIBA foundation symposium, Little, Brown and Co.,
Boston, pp 36-77.
- Novikova, N.F. 1970. Aktivnost' fermentov energeticheskogo
obmena v normal'noi kozhe cheloveka. Vestn. Dermatol.
Venerol., 44:21-26.
- Ogata, T. and Mori, M. 1964a. Histochemical study of oxidative
enzymes in vertebrate muscles. J. Histochem. Cytochem.,
12: 171-182.
- Ogata, T. and Mori, M. 1964b. Histochemical study of
oxidative enzymes in invertebrate muscles. J. Histochem.
Cytochem. 12:183-187.
- Okuneff, N. 1933. Uber einige physiko chemische erscheinungen
wahren der regeneration. V. Mitteilung: Uber den
milchsauregehalt regenerierender axolotl-extremitaten.
Biochem. Zeitschr., 257:242-244.
- Ozaki, H. and Whiteley, A.H. 1970. L-Malate dehydrogenase in
the development of the sea urchin Strongylocentrotus
purpuratus. Dev. Biol., 21:196-215.

- Paik, W.K. and Cohen, P.P. 1960. J.Gen.Physiol., 43:683.
(As cited by R. Weber, 1967).
- Paik, W.K. and Cohen, P.P. 1961. Biochemical studies on amphibian metamorphosis. II. The effect of thiouracil on thyroxin-stimulated protein synthesis in tadpole liver. J. Biol. Chem., 236: 531-535.
- Papaconstantinou, J. 1967. Metabolic control of growth and differentiation in vertebrate embryos. In: "The Biochemistry of Animal Development", Vol. II. Ed. R. Weber, Academic Press, New York and London.
- Palade, G. and Farquhar, M. 1965. Cell junctions in amphibian skin. J. Cell Biol., 26:263-291.
- Pearse, A.G.E. 1960. "Histochemistry, theoretical and applied". 2nd edition, Little, Brown and Co., Boston.
- Pette, D. 1966. Mitochondrial enzyme activities. In: "Regulation of metabolic processes in mitochondria". Eds. Tager, J.M., Papa, S., Quagliariello, E. and Slater. Elsevier, Amsterdam.
- Pilo, B., Asnani, M.V. and Shah, R.V. 1972. Studies on wound healing and repair in pigeon liver. III. Histochemical studies on the acid and alkaline phosphatases during the process. J.Anim. Morphol. Physiol., 19:205-212.

- Pilstrom, L. and Kiessling, K.H. 1973. A possible localization of OC-glycerophosphate dehydrogenase to the inner boundary membrane of mitochondria in livers from rats fed with ethanol. Histochemie ,32:329-334.
- Prakash, A. 1961. Distribution and differentiation of alkaline phosphatase in the gastro-intestinal tract of steel head trout. J. Exp. Zool. , 146:237-246.
- Pritchard, J.J. 1952. A cytological and histochemical study of bone and cartilage formation in the rat. J. Anat. , 86: 259-277.
- Racker, E. 1965. In: "Mechanisms in Bioenergetics". Academic Press, New York, pp 212-214.
- Radhakrishnan, N. 1972. Ph.D. thesis entitled "Histological and histophysiological studies on the normal and regenerating tail of the scincid lizard, Mabuya carinata", submitted to the M.S. University of Baroda, Baroda-2, India.
- Raekallio, J. 1960. Enzymes histochemically demonstrable in earliest phase of wound healing. Nature ,188:234-235.
- Raekallio, J. 1970. Enzyme histochemistry of wound healing. Progr. Histochem. Cytochem. , 1:1-101.

- Ramachandran, A.V. 1972. Ph.D. thesis entitled "Studies on certain biochemical and histochemical aspects of the normal and regenerating tail of the scincid lizard, Mabuya carinata", submitted to the M.S. University of Baroda, Baroda-2, India.
- Rasch, E.M. and Gawlik, S.J. 1964. Cytolysosomes in tissues of metamorphosing Scarab larvae. J. Cell. Biol., 23:123a.
- Rawles, M.E. 1963. Tissue interactions in scale and feather development as studied in dermal-epidermal recombinations. J. Embryol. Exp. Morphol., 11:765-89.
- Rawles, M.E. 1965. Tissue interactions in the morphogenesis of the feather. In: "Biology of the skin and hair growth", Eds. Lyne, A.G. and Short, B.F., Angus and Robertson, Sydney.
- Reichard, P. 1958. The synthesis of deoxyribose by the chick embryo. Biochim. Biophys. Acta , 27:434-435.
- Reichard, P. 1960. Formation of deoxyguanosine-5'-phosphate from guanosine-5'-phosphate with enzymes from chick embryo. Biochim. Biophys. Acta , 41:368-369.
- Reichard, P. 1961. The biosynthesis of deoxyribonucleic acid by the chick embryos. J. Biol.Chem., 236:2511-2513.
- Reiner, L., Rutenburg, A.M. and Seligman, M. 1957. Acid phosphates activity in human neoplasm. Cancer, 10:563-576.

- Robinson, R. 1923. The possible significance of hexose-phosphoric esters in ossification. Biochem. J., 17: 286-293.
- Rogers, K.T. 1960. Studies on chick brain of biochemical differentiation related to morphological differentiation and onset of function. III. Histochemical localization of alkaline phosphatase. J. Exp. Zool., 145: 49-55.
- Rogers, K.T. 1963. Studies on chick brain differentiation. V. Comparative histochemical alkaline phosphatase studies in chick retina and black bird, mouse, rabbit, cat and human brain. J. Exp. Zool., 153:21-36.
- Roodyn, D.B. 1956. The enzymatic properties of rat liver nuclei. I. Estimation of the extent to which contaminated material contributes to the activity observed in nuclear fraction. Biochem. J., 64:361-368.
- Roodyn, D.B. 1959. A survey of metabolic studies on isolated mammalian nuclei. Internat. Rev. Cytol., 7:279-344.
- Rosen, M., Fried, G.H. and Schaefer, C.W. 1968. A comparative study of the activities of alpha-glycerophosphate dehydrogenase and lactate dehydrogenase in muscle of the mouse, rat, frog and American cockroach. Bioscience , 18:301-305.

- Rossi, F., Zatti, M. and Greenbaum, A.L. 1963. Evidence of the existence of the hexosemonophosphate pathway for glucose metabolism in the normal and denervated skeletal muscle. Biochem. J. 87:43-48.
- Rutenberg, A.M., Wohmann, M. and Seligman, A.M. 1953. Comparative distribution of succinic dehydrogenase in six mammals and modification in the histochemical technique. J. Histochem. Cytochem., 1:66-81.
- Sacktor, B. 1964. Metabolic significance of the alpha-glycerophosphate shuttle in skeletal muscle. Proc. Internl. Cong. Biochem. 6th, N.Y. VI-S 18, pp 493-494.
- Sacktor, B. and Cochran, D.G. 1957. DPN- specific alpha-glycerophosphate dehydrogenase in insect flight muscle. Biochem. Biophys. Acta , 25:649.
- Sacktor, B., Wormser-Shavitt, E. and White, J. 1964. NAD-linked cytoplasmic metabolites in rat leg muscle in situ during contraction and recovery. Fed. Pro. 23: 529.
- Saunders, J.W. and Gasseling, M.J. 1957. The origin of pattern and feather tract specificity. J. Exp. Zool., 135: 503-528.

- Saunders, J.W., Gasseling, M.J. and Saunders, L.C. 1962.
Cellular depth in morphogenesis of the avian wing.
Dev. Biol., 5: 147-178.
- Sauter, J.S. 1967. Investigations on the physiology of the woody rays of the polar. II. The seasonal change in activity of acid phosphatase in woody ray parenchyma and its relation to the metabolism and transport of carbohydrates. Zeit. Pflanzen-physiol., 55:349-362.
- Sengel, P. 1958. Recherches experimentales sur la differenciation des germes plumaires et du pigment de la peau de l'embryon de poulet en culture in vitro. Ann. Sci. Nat. Zool., 20: 431-514.
- Severtsov, N.A. 1856. Periodic phenomena in the life of animals, birds and reptiles of the Voronezh province, Moscow (As cited by Voitkevich, A.A. 1966).
- Scheib, D. 1963. Properties and role of acid hydrolase of the Mullarian ducts during sexual differentiation in the male chick embryo. CIBA found. Symp. Lysosomes. Little, Brown, Boston and Massachusetts.
- Scheib, D. 1965. Structure fine du canal de muller de l'embryon de poulet: le'sions cytoplasmiques due canal male en regression. Compt. Rend. Acad. Sci., 260:1252-1254.

- Schmidt, A.J. 1963a. The localization of acid phosphatase in the limb tissues of adult newt, Diemictylus viridescens. J.Exp.Zool., 152: 91-100.
- Schmidt, A.J. 1963b. Succinic, malic, C-glycerophosphate and lactic dehydrogenase in limb tissues of the adult newt, Diemictylus viridescens. J.Exp.Zool., 153: 69-80.
- Schmidt, A.J. 1968. "Cellular biology of vertebrate regeneration and repair". Chicago University Press.
- Schmidt, A.J. and Weary, M. 1962. The distribution of alkaline phosphatase in the regenerating forelimb of the adult newt, Diemictylus viridescens. (Triturus viridescence). J.Exp.Zool., 150:69-81.
- Schmidt, A.J. and Weary, M. 1963. The localization of acid phosphatase in the regenerating forelimb of the adult newt, Diemictylus viridescence. J.Exp.Zool., 152:101-114.
- Schmidt, A.J. and Weidman, T. 1964. Dehydrogenases and aldolase in the regenerating forelimb of the adult newt, Diemictylus viridescens. J.Exp.Zool., 155:303-316.
- Shah, R.V. and Chakko, T.V. 1966a. Histochemical localization of acid phosphatase in the adult normal and regenerating tail of Hemidactylus flaviviridis. J.Anim. Morphol. Physiol., 13:169-188.

- Shah, R.V. and Chakko, T.V. 1966b. Mitochondrial localization of alkaline phosphatase in the adult and regenerating lizard muscle Hemidactylus flaviviridis: Short communication and preliminary notes. J. Anim. Morphol. Physiol., 13:206-209.
- Shah, R.V. and Chakko, T.V. 1967a. Histochemical localization of alkaline phosphatase in the adult normal (non-amputated) and regenerating tail of the house lizard, Hemidactylus flaviviridis. J. Anim. Morphol. Physiol., 14: 69-88.
- Shah, R.V. and Chakko, T.V. 1969. Histochemical localization of succinic dehydrogenase (SDH) in the normal and regenerating tail of the house lizard, Hemidactylus flaviviridis. J. Anim. Morphol. Physiol., 16:89-96.
- Shah, R.V. and Magon, D.K. 1969. Histochemical demonstration of OC-glycerophosphate dehydrogenase (OC GPDH) in the normal and regenerating tail of the house lizard, Hemidactylus flaviviridis. J. Anim. Morphol. Physiol., 16: No.1, 97-105.
- Shah, R.V. and Ramachandran, A.V. 1970. Lactate and Malate dehydrogenases (LDH and MDH) in the regenerating tail of the lizard, Mabuya carinata. Acta Histochem. Cytochem., 3:152-159.

- Shah, R.V. and Ramachandran, A.V. 1972. Aldolase activity in the normal and regenerating tail of the Scincid lizard, Mabuya carinata. J. Anim. Morphol. Physiol., 19: No. 1. 43-49.
- Shah, R.V. and Ramachandran, A.V. 1973. Glucose-6-phosphate dehydrogenase and malic enzyme in the normal and regenerating tail of Scincid lizard, Mabuya carinata. Can. J. Zool., 51: No.6. 641-645.
- Shantha, R.T. and Manocha, S.L. 1968. Enzyme histochemistry of the choroid plexus in rat and Squirrel Monkey. Histochemie., 14:149-160.
- Shibaeva, S.M.K. 1970. Voprosu o lipidakh epidermisa (epidermal lipida). Arkh.Anat.Gistol.Embriol., 58(2):71-75.
- Siekevitz, P. and Watson, M.L. 1956. Cytochemical studies of mitochondria. II. Enzymes associated with a mitochondrial membrane fraction. J. Biophys. Biochem. Cytol., 2:653-669.
- Siperstein, M.D. 1958. Glycolytic pathways: their relation to the synthesis of cholesterol and fatty acids. Diabetes, 7:181.
- Sivaram, S. and Sharma, D.R. 1966. G-glycerophosphate dehydrogenase in mouse adrenal cortex. Nature, 211:855.

- Smith, C.H. and Kissane, J.M. 1963. Distribution of forms of lactic dehydrogenase within the developing rat kidney. Dev. Biol., 8: 151-164.
- Solomon, J.B. 1959. Changes in the distribution of glutamic, lactic and malic dehydrogenases in liver cell fractions during development of the chick embryo. Dev. Biol., 1:182-198.
- Somero, G.N. 1973. Thermal modulation of pyruvate metabolism in the fish, Gillichthys mirabilis: The role of lactate dehydrogenase. Comp. Biochem. Physiol., 44B:205-209.
- Somero, G.N. and Hochachka, P.W. 1969. Isoenzymes and short-term temperature compensation in poikilotherms: Activation of lactate dehydrogenase isoenzymes by temperature decrease. Nature , 223:194-195.
- Sood, P.P. and Tewari, H.B. 1969. A comparative study on the distribution of acid phosphatase and its functional significance in nuclei of the olfactory neurons of some vertebrates. Acta Histochem., 32: 331-340.
- Sorokin, S., Padykula, H.A. and Herman, E. Comparative histochemical patterns in developing mammalian lungs. Dev. Biol., 1:125-151.

- Sottocasa, G.L., Kuylenstierna, B., Ernster, L. and Bergstrand, A. 1967. An electron-transport system associated with the outer membrane of liver mitochondrial. J. Cell. Biol., 32:415.
- Takemori, A.E. 1959. Phosphorylations associated with the the oxidation of OC-glycerophosphate by hepatic mitochondria of rats. Federation proceedings, 18:337.
- Ten Cate, A.R. 1959. The histochemistry of human tooth development. Proc. Nutr. Soc., 18:65-70.
- Tung, T., Anderson, L. and Lardy, H.A. 1952. Studies on the particulate alpha-glycerophosphate dehydrogenase of muscle. Arch. Biochim. Biophys., 40:194.
- Verzar, F. and McDougall, E.J. 1936. "Absorption from the intestine". Long-Mans, Green, London.
- Vorbrodt, A. 1958. Histochemically demonstrable phosphatases and protein synthesis. Exp. Cell. Res., 15:1-20.
- Vallyathan, N.V. 1963. On the lipid content and lipase activity in the breast muscle of Sturnus roseus (Linnaeus). Pavo, 1:106-109.
- Vilter, V. 1934. La formation de la plume et son mecanisme histologique. Assoc. Anat. (Nancy, France) Bul., 36:42.

- Vilter, V. 1935. Morphogenese Causale de la differentiation structurale de la plume. Assoc. Anat. (Nancy, France) Bul., 37:45.
- Voitkevich, A.A. 1966. "The feathers and Plumage of birds". October house Inc., New York.
- Wang, H. 1943. Morphogenetic functions of the epidermal and dermal components of the papilla in feather regeneration. Physiol. Zool., 16: 325-350.
- Watson, G.E. 1963a. Feather replacement in birds. Science, 139:50-51.
- Watson, G.E. 1963b. Mechanism of feather replacement during natural moult. Awk., 80:486-495.
- Watterson, R.L. 1942. The morphogenesis of down feathers with special reference to the developmental history of melanophores. Physiol. Zool., 15:234-259.
- Weber, R. 1963. Behaviour and properties of acid hydrolases in regressing tails of tadpoles during spontaneous and induced metamorphosis in vitro. Ciba Found. Symp. Lysosomes. Little, Brown, Boston, Massachusetts, pp. 282-310.
- Weber, R. and Niehus, B. 1961. The acid phosphatase activity in the tail of Xenopus larvae during growth and metamorphosis. Helv. Physiol. Acta, 19:103-117.

- Weiss, C. 1966. Activity of acid phosphatase in regenerating and resorbing limbs of larval Amblystoma. Am. Zool. , 2: 568.
- Wenger, E., Wenger, B.S. and Kitos, P.A. 1967. Pentose phosphate pathway activity of the chick embryo in ovo. J. Exp. Zool. , 166:263-270.
- Wessels, N.K. 1965. Morphology and proliferation during early feather development. Dev. Biol. , 12:131-153.
- White, A., Handler, P., Smith, E.L. and Dewitt Stetten, Jr. 1954. "Principles of Biochemistry". McGraw-Hill Book Company, Inc., New York, Toronto, London.
- Wiggert, B. and Villee, C.A. 1962. Lactic and malic dehydrogenases in human fetal tissues. Science , 138:509-510.
- Wijhe, M.V., Blanchaer, M.C. and Jacyk, W.R. 1963. The oxidation of lactate and CC-glycerophosphate by red and white skeletal muscle. II. Histochemical studies. J. Histochem. Cytochem. , 11:505-510.
- Wolfe, H.J. and Cohen, R.B. 1963. Histochemical studies on the regenerating urodele limb. I. Oxidative and glycogenic enzymes. Dev. Biol. , 8:48-66.
- Yamamoto, K. and Swzaki, M. 1957. Quoted by Rudolf Weber in Biochemistry of amphibian metamorphosis. "The biochemistry of animal development". Vol.11, Academic Press, New York, London, 1967.

- Young, H.L. and Pace, N. 1958a. Distribution of alpha-GPD
in normal rats. Arch. Biochem. Biophys., 76:112.
- Young, H.L. and Pace, N. 1958b. Some physical and chemical
properties of crystalline alpha-GPD. Arch. Biochem.
Biophys., 75:125.
- Zebe, E.C. and Mcshan, W.H. 1957. Lactic and alpha-
glycerophosphate dehydrogenase in insects. J. Gen.
Physiol., 40:779.