

## CHAPTER X

## REFERENCES

- Abdel-Hamid, M.E; Mona, M.H; Shoukr, F.R; Seif, A.I. and Eissa, S.H. (1993): The blood cells of a sea urchin from Abo-Kir coast, Alexandria, Egypt. *Qatar Univ. Sci. J.*, 13 (1): 92-100.
- Aboua, F. (1990): Chemical composition of *Achatina fulica*. *Tropicultura*, 8(3): 121-122.
- Abu-Zied, M.M. (1991): Biological Studies on Some Marine Bivalves from the Suez Canal. *Ph. D. Thesis, Fac. Sci., Al-Azhar Univ.*, Pp. 294.
- Adema, C.M; Harris, R.A. and Deutekom-Mulder, E.C. (1992): A comparative study of haemocytes from six different snails: Morphology and functional aspects. *J. Inverteb. Pathol.*, 59: 24-32.
- Akberalli, H.B. and Black, J. E. (1990): Behavioural responses of the bivalve, *Scorbicula plana* (da Costa) subjected to short-term copper (Cu II) concentrations. *Mar. Environ. Res.*, 4: 97-107.
- Andrews, E.B. (1976): The ultrastructure of the heart and kidney of the pillid gastropod mollusc, *Marisa cornuarietis* with special reference to filtration throughout the Architaenioglossa. *J. Zool. Lond.*, 179: 85-106.
- Andrews, E.B. (1981): Osmoregulation and excretion in prosobranch gastropods. Part 2. Structure in relation to function. *J. Moll. Stud.*, 47: 248-289.
- Andrews, E.B. (1985): Structure and function of the excretory system of archaeogastropods and their significance in the evolution of gastropods. *Philos. Trans. R. Soc. Lond. Biol. Sci.*, 310: 383-406.
- Andrews, E.B. (1988): Excretory systems of molluscs. In "The Mollusca", Vol. 11, Form and Function. (E.R. Trueman & M.R. Clarke, eds.) pp. 381-448. *New York, Academic Press*.
- Andrews, A.B. and Jennings, K.H. (1993): The anatomical and ultrastructural basis of primary urine formation in bivalve molluscs. *J. Moll. Stud.*, 29:223-257.
- Ausubel, F.M; Brent, R; Kingston, R.E; Moore, D.D; Siedman, J.G; Smith, J.A. and Struhl, K. (1989): "Current Protocols in Molecular Biology" .Vol. I and II. *Published by Current Protocols. Wiley, USA*.

- Banauch, D. (1970): Der Bauplan des Eisen. III. Chelals Adenochrom aus dem Tintenfisch, *Octopus vulgaris*. Inang. Diss. Saarbrücken.
- Bang, F.B. (1961): Reaction to injury in the oyster, *Crassostrea virginica*. *Biol. Bull.*, 21:57-68.
- Bayers, J.E. (1993): Variations in the bioaccumulation of zinc, copper and lead in *Crassostrea virginica* and *Ilyanassa obsoteta* in marine and open water environments. *J. Elisha Mitchel Sci. Soc.*, (0913): 163-170.
- Bayne, C.J. (1973): Internal defense mechanisms of *Octopus dofleini*. *Malacol. Rev.*, 6: 13-17.
- Belmarick, F.A; Sheepro, D; Kien, M. and Fulton, G.P. (1967): Effect of aggregation inducing compounds on non-mammalian thrombocytes. *Fedn. Proc. Fedn. Am. Socs. Exp. Biol.*, 26: 760.
- Bernard, B.R; Bonin, D.J; Guerin-Ancey, O. J; Kaphov, V.I. and Arthac, D.P. (1977): Action de metaux lourds a' des doses subletales sur les caracteristiques de la croissance chez la diatomee' *Skeletonma costatum*. *Mar. Biol.*, 42: 17-30.
- Beukema, J.J. and de Bruin, W. (1977): Seasonal changes in dry weight and biochemical composition of the soft parts of the tellinid bivalve, *Macoma balthica* in the Dutch Wadden Sea. *Neth. J. Sea Res.*, 11: 42-55.
- Beukema, J.J. and de Bruin, W. (1979): Calorific values of the soft parts of the tellinid bivalve *Macoma balthica* (L.) as determined by two methods. *J. Exp. Mar. Biol. Ecol.*, 37: 19-30.
- Bishop, S.H; Ellis, L.L. and Burcham, J.M. (1983): Amino acid metabolism in molluscs. In "The Mollusca", Vol: 1, Metabolic Biochemistry and Molecular Biomechanics. (P.W. Hochachka, ed.) pp 243-327. New York, Academic Press.
- Blackmore, D.T. (1969): Studies on *Patella vulgata* (L.) .2: Seasonal variation in biochemical composition. *J. Exp. Mar. Biol. Ecol.*, 3: 231-245.
- Bligh, E.G. and Dyer, W.J. (1954): A rapid method of total lipid extraction and purification. *Can. J. Biochem. Physiol.*, 37: 911-917.
- Boer, H.H; Algera, N.H. and Lommerse, A.W. (1973): Ultrastructure of possible sites of ultrafiltration in some Gastropoda, with particular reference to the auricle of the freshwater prosobranch, *Viviparus viviparus* (L). *Z. Zellforsch. Mikrosk. Anat.*, 143: 329-341.
- Bolognari, A. (1949): Morfologia, struttura e funzione del "Corpo bianco" die Cefalopodi. I. Morfologia. *Arch. Zool. Ital.*, 34: 79-97.

- Bolognari, A. (1951): Morfologia, struttura e funzione del "*Corpo bianco*" dei Cefalopodi . II. Struttura e funzione. *Arch. Zool. Ital.*, 36: 253-285.
- Borcherding, J. (1989): Die Reproduktionsleistung der Wandermuschel *Dreissena polymorpha*. Ph. D. Thesis. University of Cologne.
- Bordin, G; McCourt, S. and Rodriguez, A. (1992): Trace metals in the marine bivalve, *Macoma balthica* in the Westerschelde Estuary (The Netherlands). Part 1: Analysis of total copper, cadmium, zinc and iron concentration. Locational and seasonal variations. *The Science of Total Environment*, 127: 225-280.
- Born, G.V. (1962): Aggregation of blood platelets by adenosine diphosphate and its reversal. *Nature, London*, 194: 927-511.
- Boucaud-Camu, E. (1972): Etude du Pancreas de *Sepia officinalis* L. *Bull. Soc. Zool. Fr.*, 97: 197-203.
- Boyden, C.R. (1974): Trace element content and body size of molluscs. *Nature*, 251: 311-314.
- Boyden, C.R. (1977): Effect of size upon metal content of shell fish. *J. Mar. biol. Ass. U. K.*, 157: 675-714.
- Boyle, P.R. (1983): "Cephalopod Life Cycles". Vol. 1. Species Accounts. *Academic Press. London*.
- Brayn, G.W. (1973): The occurrence and seasonal variation of trace metals in the scallops, *Pecten maximus* (L) and *Chlamys opercularis* (L.). *J. Mar. biol. Ass. U.K.* 53: 145-166.
- Brayn, G.W. (1984): Pollution due to heavy metals and their compounds: In "Marine Ecology" ed. O. Kinne, pp 1289-1431. *Academic Press, London*.
- Brayn, G.W. and Gibbs, P.E. (1986): Polychaetes as indicators of heavy metals availability in marine deposits. In "Biological Processes and Wastes in the Ocean", ed. J. M. Capuzzo & D Kester. pp 37-49. *Krieger Publ; FL, USA*.
- Brooks, R.R. and Ramsby, M.G. (1965): The biochemistry of trace element uptake by some New Zealand bivalves. *Limnol. Oceanog.*, 10 (4): 521-527.
- Brough, C.N. and White, K.N. (1990): Localization of Metals in the Gastropod, *Littorina saxatilis* (Prosobranchiata: Littorinoidea) from Polluted Site. pp 77-88. *Acta Zool. (Stockholm)*, Vol. 71, No. 2.

- Brown, A.C. and Brown, R.J. (1965):** The fate of thorium dioxide infected into the pedal sinus of *Bullina* (Gastropoda: Prosobranchiata). *J. Exp. Biol.*, 42: 509-549.
- Brown, B. and Ashanullah, M. (1971):** Effect of heavy metals on mortality and growth. *Mar. Poll. Bull.*, 2: 182-187.
- Brown, H.J. (1966):** Trace Elements in Biochemistry. *Academic Press. New York.*
- Bullock, A.M. (1987):** The wound healing and haemocyte response in the skin of the lower octopus, *Eledon cirrhosa* (Mollusca: Cephalopoda) in the presence of *Vibrio tubinush*. *J. Zool. Lond.*, 211: 373-383.
- Calabrese, A; MacInnes, J. R; Nelson, D.A. and Miller, J.E. (1977):** Survival and growth of bivalve larvae under heavy metal stress. *Mar. biol.*, 41: 179-184.
- Campbell, C.L. and Gledhill, B.L. (1973):** *Chromosoma*, 41: 385-394.
- Carmichael, N.G. and Fowler, B.A. (1981):** Cadmium accumulation and toxicity in the kidney of the bay scallop, *Argopecten irradians*. *Mar. Biol.*, 65: 35-43.
- Carmichael, N.G; Squibb, K.S. and Fowler, B.A. (1979):** Metals in the molluscan kidney: A comparison of two-closely related bivalve species (*Argopecten*) using X-ray microanalysis and atomic absorption spectroscopy. *J. Fish. Res. Bd. Can.*, 39: 1149-1155.
- Carmichael, N.G; Squibb, K.S; Engel, D.W. and Fowler, B.A. (1980):** Metals in the molluscan kidney: Uptake and subcellular distribution of  $^{109}\text{Cd}$ ,  $^{54}\text{Mn}$  and  $^{65}\text{Zn}$  by the clam, *Mercenaria mercenaria*. *Comp. Biochem. Physiol.*, 65(A): 203-206.
- Chapman, D.M. (1975):** Dichromatism of bromophenol blue with an improvement in the mercuric bromophenol blue technique for protein. *Stain Technology*. 50: 25-30.
- Chapman, G. and Newell, G.E. (1956):** The role of body fluid in the movement of soft - bodies invertebrates. II. The extension of the siphons of *Mya arenaria* (L.) and *Scorbicula blana* (da Costa). *Proc. R. Soc. London, Ser. B*. 145: 564-580.
- Chen, J.H. and Bayne, J.C. (1995):** Bivalve mollusc haemocyte behaviours: Characterization of haemocyte aggregation and adhesion and their inhibition in the California mussel (*Mytilus Californianus*). *Biol. Bull., (Woods Hole)*, 188 (3): 255-266.
- Cheng, T.C. (1975):** Functional morphology and biochemistry of molluscan phagocytes. *Ann. N.Y. Acta. Sci.*, 266: 343-379.

- Cheng, T.C. (1981): Bivalves. In "Invertebrate Blood cells". Vol. I. (eds; N.Y. Ratcliffe and A.F. Rowley) .pp. 233-300. *Academic Press*. London.
- Cheng, T.C. and Auld, K.R. (1977): Haemocytes of the pulmonate, *Biomphalaria glabrata*. *J. Inverteb. Pathol.*, 30: 119-122.
- Cheng, T.C. and Burton, R.W. (1965): Relationship between *Bucephalus* sp. and *Crassostrea virginica*. Histopathology and sites of infection. *Chesapeake Sci.*, 6: 3-16.
- Cheng, T.C. and Burton, R.W. (1966): Relationship between *Bucephalus* sp. and *Crassostrea virginica*. A histochemical studies of some carbohydrate complexes occurring in the host and parasite. *Parasitology*, 56: 111-152.
- Cheng, T.C. and Cali, A. (1974): An electron microscopic study of the fate of bacteria phagocytosed by granulocytes of *Crassostrea virginica*. *Contemp. topics in immunobiol.*, 4: 25-35.
- Cheng, T.C. and Foley, D.A. (1975): Haemolymph cells of the bivalve mollusc, *Mercenaria mercenaria*: An electron microscopical study. *J. Inverteb. Pathol.*, 26: 341-351
- Cheng, T.C. and Guida, V.G. (1980a): Behaviour of *Bulinus truncatus rohlfsi* haemocytes (Gastropoda: Pulmonata). *Trans. Amer. Micros. Soc.*, 99(1): 101-111.
- Cheng, T.C. and Guida, V.G. (1980 b): Haemocytes of *Bulinus truncatus rohlfsi*. *J. Inv. Path.*, 35(2): 185-167.
- Cheng, T.C. and Rifkin, E. (1970): Cellular reactions in marine molluscs in response to helminth parasitism. *Am. fish. Soc. Sp. Publ.*, 5: 443-496.
- Cheng, T.C.; Thankur, A.S. and Rifkin, E. (1969): Phagocytosis as an internal defense mechanism in the Mollusca: With an experimental study of the role of leucocytes in the removal of ink particles in *Littorina scarba* (Linn.) *Proc. Symp. Mollusca*, II: 546-563.
- Cheung, Y.H. and Wong, M.H. (1992): Trace metal contents of the pacific oyster (*Crassostrea gigas*) purchased from markets in Hong Kong. *Environ. Manag.*, 16 (6): 753-761.
- Chiffelle, T.L. and Putt, F.A. (1951): Propylene and ethylen glycol as solvents for Sudan IV and Sudan black B. *Stain Technology*, 26: 51-56.

- Chu, F.L. E; Webb, K.L. and Chen, J. (1990): Seasonal changes of lipids and fatty acids of oyster tissues (*Crassostrea virginica*) and eustarian particulate matter. *Comp. Biochem. Physiol. A comp. Physiol.*, 95 (3): 385-392.
- Coimbra, J. and Carraca, S. (1990): Accumulation of Fe, Zn, Cu and Cd during the different stages of the reproductive cycle in *Mytilus edulis*. *Comp. Biochem. Physiol.*, 95C (2) :265-270.
- Conte, A. and Ottaviani, E. (1995): Nitric oxide synthetase activity in molluscan haemocytes. *FEBS Letters*, 365 (2-3): 120-124.
- Coombs, T.L. (1979): Cadmium in aquatic organisms. In "The Chemistry, Biochemistry and Biology of Cadmium" (ed. M. Webb). pp 93-139. Amsterdam: Elsevier North Holland Biomedical Press.
- Coombs, T.L; Fetcher, T.C. and White, W. (1972): Interaction of metal ions with mucous from the plaice (*Pleuronectes platessa* L.). *Proc. Biochem. Soc.*, 128: 138.
- Coombs, T.L. and George S.G. (1979): In "Physiology and Behaviour of Marine Organisms" (McLusky, D.S. and Berry, A.J; eds.), pp 179-187. Pergamon Press, Oxford.
- Cossa, D. (1987): Le Cadmium et le Mercure en Milieu Cotier: Biogeochimie et Utilisation du Genre, *Mytilus edulis* Comme Indicateur Quantitatif. *These d' Etat. Universite' Pierre et Marie Curie. (Paris, VI)*.
- Cowden, R.R. (1972): Some cytological and cytochemical observations on the leucopoietic organs, "the white bodies" of *Octopus vulgaris*. *J. Inverteb., Pathol.*, 19: 113-191.
- Cowden, R.R. and Curtis, S.K. (1981): Cephalopoda. In "Invertebrate Blood Cells" (Edited by Ratcliff N.A. and Rowley, A.F.) .Vol. 1. pp 301-323. Academic Press, London.
- Crespo, S. and Sala, R. (1986): Chloride cell mitochondria are target organelles in acute zinc contamination. *Mar. Pollut. Bull.*, 17: 329-234.
- Crile, G. and Quiring, D.P. (1940): A record of the body weight and certain organ and gland weights of 3, 690 animals. *Ohio. J. Sci.*, 40: 219-259.
- Cuénot, L. (1891): Arch. Zool. Exper. 9, 19-54. P. 241. Cited from "Invertebrate Blood Cells" Vol. 1 (eds. N.Y. Ratcliff and A.E. Rowley. Academic Press, London, 1981.

- Cunningham, P.A. (1979): The use of bivalve molluscs in heavy metal pollution research. In "Marine Pollution Functional Response". Academic Press, New York.
- Dakin, W.J. (1909): "Pecten". L.M. B.C. Mem. Type. *Br. Mar. Pl. Anim.* No 17.
- Davies, P.S. and Partidage, T. (1972): Limpet haemocytes: I. Studies on aggregation and spike formation. *J. Cell Sci.*, 11: 757 - 769.
- De Coursey, P.J. and Venberg, W.B. (1972): Effect of mercury on survival, metabolism and behaviour of larval, *Vca pugitator* (Brachyura). *Oikos*, 23 : 241 - 247.
- Devi, V.U; Prabhakara, R. and Prasada, R.D (1985): Seasonal changes in the biochemical composition of a tropical intertidal prosobranch *Morula granulata* (Duclos). *J. Moll. Stud.*, 51 : 248 - 256.
- De Zwann, A. and Wijisman, R. (1976): Anaerobic metabolism in Bivalvia (Mollusca). Characteristics of anaerobic metabolism. *Comp. Biochem. Physiol.*, 54(B): 313 - 324.
- Dikkeboom, R; Van Der Knaap, W. P; Meuleman, E.A; and Sminia, T. (1984): Difference between blood cells of juvenile and adult specimens of pond snail, *Lymnaea stagnalis*. *Cell Tissue Res.*, 238: 43 - 47.
- Dillman, R.M. (1980): Toxicity of cadmium to *Helisoma anceps* and its effect on kidney ultrastructure. *J. Inverteb. pathol.*, 36: 223 - 234.
- Dious, S.R. and Kasinathan, R. (1994): Biochemical composition and trace metal content of pulmonate snails, *Cassidula nucleus* and *Melampus Ceylonicus*. *Ind. J. Mar. Sci.*, 23(2): 120 - 122.
- Doyle, L.G; Black, N.J; Woo, C.C. and Yevich, P. (1978): Recent biogenic phosphorite: Concretions in mollusc kidneys. *Science*, 199: 1431 - 1433.
- Drury, R.A.B. and Wallington E. A (1980): Carlton's Histochemical Technique. 5 th ed. Oxford Univ. Press.
- Duerr, F.G. (1967): The uric acid content of several species of prosobranch and pulmonate snails as related to nitrogen excretion. *Comp. Biochem. Physiol.*, 22: 333-340.
- Duerr, F.G. (1968): Excretion of ammonia and urea in seven species of marine prosobranch snails. *Comp. Biochem. Physiol.*, 26: 1051 - 1059.

- Eldon, J; Pekkarinen, M. and Kristoffersson, R. (1980): Effects of low concentrations of heavy metals on the bivalve, *Macoma balthica*. *Ann. Zool. Fennici.*, 17 : 233 - 242.
- El-Gamal, M.M. (1988): Studies on Marine Edible Molluscs of Egypt. *M.Sc. thesis. Tanta Univ. Egypt.* Pp. 146.
- El-Shahawy, A.A. and Khalil, A.M. (1992): Geographical and size induced variability in certain heavy metals of *Donax trunculus* in Egyptian coastal water. *Egypt. J. Appl. Sci.*, 7(12): 239 - 251.
- Engel, D.W. and Brouwer, M. (1989): Metallothionein and metallothionein-like proteins, physiological importance. *Comp. Environ. Physiol.*, 5 : 53 - 61.
- Feng, S.Y. (1967): Response of molluscs to foreign bodies, with special reference to the oyster. *Fed. Proc.*, 26: 1685 - 1692.
- Feng, S.Y; Feng, J.S; Burke, C.N. and Khairallah, L.H. (1971): Light and electron microscopy of leucocytes of *Crassostrea Virginica* (Mollusca: Pelecypoda). *Z. Zellforsch. Mikro. Anat.*, 120: 222 - 245.
- Feng, S.Y; Feng, J.S. and Yamasu, T. (1977): Roles of *Mytilus coruscus* and *Crassostrea gigas* blood cells in defense and nutrition. In "Comparative Pathology" (Edited by Bulla, L. A. and Cheng, T.C.) Vol 3, pp 31 - 67. *Plenum Press, New York*.
- Ferguson, A. (1980): Biochemical Systematic and Evolution. *Glasgow. Blackie*.
- Fernau, W. (1914): Die niere von *Anodonta cellensis*. *Schrot Z. Wiss. Zool.*, 110: 253 - 358.
- Florkin, F. and Dühaleau, G. (1948): Sur l'osmorgulation de l'Anodonte (*Anodonta cygnae* L). *Physiol. Comp.*, 1: 29 - 45.
- Foley, A.D. and Cheng, T.C. (1972): Interaction of Mollusca and foreign substances: The morphology and behavior of haemolymph cells of the American oyster, *Crassostrea virginica* in vitro. *J. Inverteb., Pathol.*, 19: 383- 394.
- Foley, A.D. and Cheng T.C. (1974): Morphology, haematological parameters and behavior of haemolymph cells of the quahaug clam, *Mercenaria mercenaria*. *Biol. Bull.*, 146: 341- 356.
- Fowler, B.A. and Gould, E. (1988): Ultrastructural and biochemical studies of intracellular metal binding patterns in kidney tubule cells of the scallop, *Placopecten megallanicus* following prolonged exposure to cadmium or copper. *Mar. Biol.*, 97: 207 - 216.



- Fowler, S.W. and Oregioni, B. (1976): Trace metal in mussels from the N.W. Mediterranean. *Mar. Pollut. Bull.*, 7: 26 - 29.
- Fretter, V. and Graham, A (1964): Reproduction. Cited from "Physiology of Mollusca" (Wilbur, K.M. and Kongs, C.M., eds.). pp 127-163. *Academic Press. New York*.
- Furuta, E; Keiichiro, Y. and Atsumi, S. (1994): Blood cell - producing site in the land slug, *Acta Anatomica. Nipponica*, 69(6): 751 - 764.
- Gab-Alla, M.M. (1985): Studies on the Phytoplankton of Lake Timsah. *M. Sc. Thesis, Fac. Sci., Suez Canal Univ.*, 79 Pp.
- Gabbott, P.A. (1983): Developmental and seasonal metabolic activities in marine molluscs. In, "The Mollusca", Vol. 2. Environmental Biochemistry and Physiology, (edited by P.W. Hochachka). pp. 165-217. *Academic Press. New York*.
- Galtsoff, P.S. (1964): The American Oyster (*Crassostrea virginica*). *U.S. Fish Wildl. Serv. Fish. Bull.*, 64:480.
- Garanath, W.O. and Yoshino, T.P. (1985): *Biomphalaria glabata*: Effect of urethan on the morphology and function of haemocytes on susceptibility to *Schistosoma mansoni* (Trematoda). *J. Inverteb. Path.*, 45: 324 - 330.
- George, S.G; (1990): Biochemical and cytological assessments of metal toxicity in marine animals. In "Heavy Metals in the Marine Environment" (ed. Furness, R.W. and Rainbow, P.S.). *CRC Press, Boca Raton, Fl Pp 126*.
- George, S.G; Coombs, T.L. and Pirie, B. J. (1982): Characterization of metal-containing granules from the kidney of the common mussel, *Mytilus edulis*. *Biochimica et Biophysica, Acta*, 716: 61 - 71.
- George, S.G. and Pirie, B. J. (1980): Metabolism of zinc in the mussel *Mytilus edulis*, L. A combined ultrastructural and biochemical study. *J. Mar. Biol. Ass. U. K.*, 60: 575 - 590.
- George, W.C. and Ferguson, J. H. (1950): The blood cells of gastropod molluscs. *J. Morph.*, 86: 315 - 327.
- Gersten, D.M; Wolf, P.H. and Zapolski, E.J. (1987): Difference in protein staining by Commassie brilliant blue and neutron activated Comassie brilliant blue dyes. *Electrophoresis*, 8: 545 - 551.
- Giese, A.S. (1969): A new approach to the biochemical composition of the mollusc body. *Oceanogr. Mar. Biol. Ann. Rev.*, 7 : 175 - 229.
- Goldberg, E.D. (1975): The mussel watch a first step in global marine monitoring. *Mar. Pollut. Bull.*, 6: 111.

- Goldberg, E.D. (1986): The mussel watch concept. *Envirl. Monitg. Assessmt.*, 7: 97 - 103.
- Goordish, E.S. (1919): Pseudopodia of leucocytes of invertebrates: *Quat. J. Micr. Sci.*, 4: 284 - 292.
- Gould, E. (1980): Low-salinity stress in the American lobster, *Homarus americanus* after chronical sublethal exposure to cadmium: Biochemical effects. *Helgaländer Meresunters*, 33: 36-46.
- Grobbon, G. (1884): Morphologische Untersuchungen über den Hant. Und Geschlechtsapparat sowie Leibesöhle der Cephalopoden. *Arb. Zool. Inst. Univ. Wien*, 5: 179 - 252.
- Grobbon, C. (1888): Die pericardial drüse der Lamellibranchiaten. *Arb. Zool. Inst. Univ. Wien*, 7: 355 - 444.
- Grobbon, C. (1891): Die Pericardialdrüse der Gastropoden. *Arb. Zool. Inst. Univ. Wien*, 9: 35 - 56.
- Gurr, E. (1956): "A practical Manual of Medical and Biological Staining and Techniques". *New York: Interscience*.
- Haas, F. (1929): Die exkretion organe. broun's K.L. ordn. *Tierreichs.*, B. D. 3: 777 - 802.
- Haeckel, E. (1862): "Die Radiolorien" George Reiner, Berlin. In "Invertebrate Blood cells" (ed. N.Y. Ratcliff and A. E. Rowely) .Vol. 1 *Academic Press, London*, 1981.
- Hancock, A. (1861): On certain points in the anatomy and physiology of the dibranchiate Cephalopoda. pp 473-484. *Report of the 31<sup>st</sup> Meeting of the British Association for the Advan. of Science Manchester*.
- Harris, K.R. (1975): The fine structure of encapsulation in *Biomphalaria glabrata*. *Ann. N. T. Acad. Sci.*, 266: 445 - 464.
- Harrison, F.M. (1954): Some Excretory Processes in the Octopus. *Ph. D. Thesis. Univ. of Washington*.
- Harrison, F.M. and Martin, A.W. (1965): Excretion in the cephalopod, *Octopus dofleini*. *J. Exp. Biol.*, 42: 71 - 98.
- Harrisson, F.W. and Kohn, K. (1994): "Microscopic Anatomy of Invertebrates". Vol 5 "Mollusca" Pp 390. *Wiley-Liss Incor. Publication. New York*.
- Hartley, D.M. and Johnston, J.B. (1983): Use of fresh water clam, *Corbicula manilensis* as a monitor for organochlorine pesticides. *Bull. Environ. Contam. Toxicol.*, 31: 33 - 46.

- Higgins, P.J. (1980): Effects of food availability on the valve movement and feeding behaviour of juvenile *Crassostrea virginica* (Gmelin) I. Valve movements and periodic activity. *J. Exp. Mar. Biol. Ecol.*, 45: 229 - 244.
- Hillman, R.E. (1962): In Progr Rept. of the Univ. of Delaware, Mar. Lab to the U.S. Fish & Wildl. Serv. Bur. of comm. Fisheries June 1962.
- Hilmy, A.M; Shabana, M.B. and Daabes, A.Y. (1985): Effects of cadmium toxicity upon the *in vivo* and *in vitro* activity of proteins and fine enzymes in blood serum and tissue homogenates of *Mugil cephalus*. *Comp. Biochem. Physiol.*, 81C: 145 - 153.
- Holwerda, D.A; Hemelraad, J; Veenhof, P.R. and Zandee, D.I. (1988): Cadmium accumulation and depuration in *Anodonta anatina* exposed to cadmium chloride or cadmium-EDTA. *Toxicol.*, 40: 373-380.
- Hyman, L. (1967): The Invertebrates, Vol. 6. "Mollusca -I". McGraw-Hill, New York.
- Jenner, H.A; Van Aerssen, G.H. and Terwoert, J. (1992): Valve movement behaviour of the mussel *Dreissena polymorpha* and the clam, *Unio pictorum*. Cited from "The Zebra Mussel, *Dreissena polymorpha*". (Neumann, D. and Jenner, A., eds.): Vol. 4, pp. 116 - 126. Gustav fischer Verlag. Struttgart. Jena. New York.
- Jensen, R. and Tjonneland, S. (1977): Ultrastructure of the heart muscle cells of the cuttlefish, *Rossia macrosoma* (Delle Chiaje) (Mollusca: Cephalopoda): *Cell & Tissue Research*, 185: 147 - 158
- Johansen, K; and Martin, A.W. (1962): Circulation in the cephalopod, *Octopus dofleini*. *Comp. Biochem. Physiol.*, 5: 161 - 176.
- Jones, H.G. (1983): The circulatory system of gastropods and bivalves in. "The Mollusca". Part 2 Physiology, (ed Salueddin, A.S.M. & Wilbur, K. M.). Academic Press, London.
- Kaland, T; Anderson, T. and Hylland, K. (1993): Accumulation and subcellular distribution of metals in marine gastropod, *Nassarius rebiculatus* (L). Cited from "Ecotoxicology of Metals in Invertebrates (ed. Dallinger, R and Rainbow, P.). pp 37-53. Lewis Publishers.
- Kato, K. (1960): Excretion in the Keber's organ in some lamellibranchs. *Sci. Reports. Socitama Univ., Seri B*, 3: 233 - 244.
- Keber, G.A. (1851): Beitr. anat. physiol. weichthiere, konigsbeerg. Cited from Potts, W.T. (1967). "Excretion in the Molluscs". *Biol. Rev.*, 42: 1 - 41.

- Khalil, A.M. and El-Shahawy, A.A. (1992): The toxicity of six heavy metals to larvae of the clam, *Tapes decussata* (Bivalva : Mollusca). *Egypt. J. Appl. Sci.*, 7 (12): 226 - 238.
- Khalil; A.M El-Shahawy, A.A. and Barbary, M.S. (1994): Changes in biomass, growth and biochemical composition of the clam, *Venerupis aurea* during larval development and juvenile growth. *Bull. Fac. Sci., Zagazig Univ.*, 16(2)C: 383 - 404.
- Khan, H.R; Ashton, M.L. and Saleuddin, A. S. (1986): Fine structure of the kidneys of osmotically stressed, *Mytilus*, *Mercenaria* and *Anodonta sp.* *Can. J. Zool.*, 64: 2779 - 2786.
- Kinoti, G.K. (1971): Observation on the infection of bullinid snails with *Schistosoma matthheei*. II -The mechanism of resistance to infection. *Parasitology*, 62: 161 - 170.
- Kress, A. (1968): Untersuchungen Zur histologie. Automie und regenration dreir Doto,. *Doto coronata*, *D. Pinnatifida* and *D. fragillis* (Gastropoda: Opisthobranchiata). *Revue Suisse Zool.*, 75: 235 - 303.
- Kumazawa, N.H; Tanigawa, T; Tanaka, Y; Ostake, H. and Tanaka, K. (1991): Morphology and migratory activity of haemocytes of *Heminerite japonica*. *Venus Jap. J. Malac.*, 50(1): 55 - 60.
- Kümmel, G. (1965): Dreukfiltration als ein Mechanismus der Stoffausscheidung bie wirebellosen In: Funktionelle und morphogische. *Organisation der Zell, Z Wiss Knof. Ges. Disch.*
- Kümmel, G. (1967): Die Podocyten. *Zool. Beitr. N.F*, 13(2-3): 245 - 263.
- Kurnick, N.B. (1955): Histochemistry of nucleic acids. In "International Review of Cytology". (ed. G.H. Bourne and J. F. Danielli. *Academic Press. New York.*
- Laemmli, U.K. (1970): Cleavage of structural proteins during the assembly of the head of bacteriophage T4. *Nature*, 227: 680 - 685.
- Lapan, E. A. (1975): Studies on the chemistry of the octopus renal system and an observation on the symbiotic relationship of the dicyemid mesozoa. *Comp. Biochem. Physiol; A* 52: 651 - 657.
- La Touch, Y.D. and Mix, M.C. (1982): Seasonal variation of arsenic and other trace elements in bay mussels (*Mytilus edulis*). *Bull. Envir. Contam. Toxicol.*, 29: 665 - 670.
- Lie, K.J; Jeong, K.H. and Heyneman, D. (1980): Tissue reaction induced by *Schistosoma mansoni* in *Biomphalaria glabrata* *Ann. Trop Med. Parasitol.*, 74 : 157 - 166.

- Martin, M; Obson, K.E; Billig, P. and Glickstein, N. (1981): Toxicities of ten metals to *Crassostrea gigas* and *Mytilus edulis* embryos and *Cancer magister* larvae. *Mar. Pollut. Bull.*, 12: 305 - 308.
- Medina, J; Hernandez, F; Pastor, A; Beferull, J.P. and Barbera, J.C. (1986): Determination of mercury, cadmium, chromium and lead in marine organisms by flameless atomic absorption spectrophotometry. *Mar. Pollut. Bull.*, 17: 41- 44.
- Miller, W.L; Blake, N.G. and Byrne, R.H. (1985): Uptake of  $Mn^{54}$  by the beach clam, *Donax variabilis* (Say, 1822) from a resin buffered sea water system. *Mar. Environ. Res.*, 17: 163 - 166.
- Miramand, P. and Bentley, D. (1992): Heavy metal concentrations in two biological indicators (*Patella vulgata* and *Fucus serratus*) collected near the French nuclear fuel reprocessing plant of La Hague. *The Science of the total Environment*, 111: 135 - 149.
- Mona, M.H; Shoukr, F.A; El-Shourbagy, I.K. and El-Gamal, M. M. (1989): Trace elements in common edible bivalve molluscs in Egypt. *Proc. Zool. Soc. A.R. Egypt*, 17: 291 - 304.
- Monteil, J; and Martricon. G. M. (1983): Structural and cytochemical study of the haemocytes in normal and trematod-infected, *Lymnaea trunculata*. *Parasitol; Res*, 79: 675 - 687.
- Montes, J.F; Merce, D. and Gracia V.J. (1995): Cellular defense mechanism of the clam, *Tapes semidecussatus* against infection by the protozoa, *Perkinsus sp.* *Cell & Tissue Res.*, 279 (3): 529 - 538.
- Moore, M.N. and Lowe, D.M. (1977): The cytology and cytochemistry of the haemocytes of *Mytilus edulis* and their responses to experimentally injected carbon particles. *J. Inverteb. pathol.*, 29: 18-30.
- Morse, M.P. (1968): Functional morphology of the digestive system of the nudibranch mollusc, *Acanthodoris pilosa*. *Boil. Bull.*, 134: 305-319.
- Müller, G. (1956): Morphologie, lebensablauf and bildunsort der blutzellen von stangalis. *L.Z. Zellforsch Mikrosk. Anat.*, 44: 519-556.
- Murata, I; Hirono, T; Saeki, Y. and Nakagawa, S. (1970): Cadmium enteropathy, renal osteomalacia (Itai. itai disease) in Japan. *Bull. Soc. Int. Clin.*, 1: 34.
- Nakahara, H. and Bevelander, G. (1969): An electron microscope study of ingestion of thorotrast by amoebocytes of *Pinctada radiata*. *Texas Rep. Biol. Med*, 27: 102 - 110.

- Napolitano, J.E. and Ackman, R.G. (1992): Anatomical distributions and temporal variations of lipid classes in sea scallops, *Placopecten magellanicus* (Gmelin) from George Bank Nova (Scotia). *Comp. Biochem. Physiol. B. Comp. Biochem.*, 103 (3): 645 - 650.
- Narain, A.S. (1972): Formed elements of the blood of the fresh water mussel, *Lamellidens Carrianus*. *J. Morphol.*, 137: 63 - 70.
- Narain, A.S. (1976): A review of the structure of the heart of molluscs, particularly bivalves in relation to cardiac function. *J. Moll. Stud.*, 42: 46 - 62.
- Navascues, J; Alemendros, A; Abadia-Fenoll, F. and Valverde, F. (1980): Estudio de las mitocondrias del hepatobancreas de *Helix hortensis*. *Bol. R. Soc. Espanola Hist. Nat. (Biol.)*, 78: 176 - 178.
- Nelson, N. (1944): Photometric adaptation of Somgi method for the determination of glucose. *J. Biol. Chem.*, 153: 275 - 281.
- Nigro, M; Orlando, E. and Regoli, F. (1992): Ultrastructural localization of metal binding sites in the kidney of the antractic scallop, *Adamussium colbecki*. *Marine Biology*, 113: 637 - 643.
- Nimmo, D.R; Lightner, D.V. and Bahner, L.H. (1982): Effects of cadmium on the shrimps, *Penaeus duorarum*, *Palaemonetes pugio* and *Palaemonetes vulgaris*. Cited from "Physiological Responses of Marine Biota to Pollutants". (Vernberg, W.B., eds): pp131 - 183. *Academic Press. New York and London*.
- Olafson, R.W. (1981): Differential pulse polarographic determination of marine metallothionein induction kinetics. *J. Biol. Chem.*, 256: 1263.
- Ottaviani, E. (1983): The blood of the fresh water snail *Planorbis corneus* (Gastropoda: Pulmonata). *Dev. Comp. Immunol.*, 7(2): 209 - 216.
- Pan, C.T.(1958): The general histology and topographic microanatomy of *Australobis glabratus*. *Bull. Mus. Comp. Zool., Harward Univ.*, 119: 237 - 299.
- Pan, C.T. (1965): Studies on the host parasite relationship between *Schistosoma mansoni* and the snail *Australorbis glabratus*. *Am. J. Trop. Med. Hyg.*, 14: 931 - 976.
- Pantin, C.F. (1946): "Notes on Microscopical Techniques for Biologists". Cambridge. England. *Cambridge Univ. Press*.
- Papathanassiou, E. (1979): Effect of Heavy Metals on Marine Crustaceans. *Ph. D. Thesis, University of Wales, Bangor*, 125 Pp.

- Pauley, G.B. and Heaton, L.H. (1969): Experimental wound repair in the freshwater mussel, *Anodonta organensis*. *J. Inverteb. Pathol.*, 13: 241 - 249.
- Pearce, A.G. (1968): Histochemistry, Theoretical and Applied. 3rd ed. London. A.G. Church. pp. 1518.
- Philips, D.J. (1976): The common mussel, *Mytilus edulis* as an indicator of pollution by zinc, cadmium, lead and copper. I. Effects of environmental variables in uptake of metals, *Mar. Biol.*, 38: 50 - 60.
- Philips, D.J. (1980): "Quantitative Aquatic Biological Indicators". Applied Science Publishers. London.
- Philips, D.J. and Muttarasin, K. (1985): Trace metals in bivalve mollusc from Thailand. *Mar. Environ. Res*; 15: 215 - 234.
- Picken, L.E. (1937): Urine formation in fresh water molluscs. *J. Exp. Biol.*, 14: 20 - 34.
- Pickford, G. (1964): *Octopus dofleini* (Wulker). *Bull. Bingham Oceanogr. Coll.*, 19: 1 - 70.
- Pip, E. (1992): Cadmium, copper and lead in gastropods of the lower Nelson River system, Manitoba, Canada. *J. Moll. Stud.*, 58: 199 - 205.
- Pirie, B.J. and George, S. G. (1979): Ultrastructure of the heart and excretory system of *Mytilus edulis* (L.). *J. Mar. Biol. Ass. U.K.*, 59: 819 - 829.
- Potts, W.T. (1954): The rate of urine production of *Anodonta cygnea*. *J. Exp. Biol.*, 31: 614 - 617.
- Potts, W.T. (1967): Excretion in the molluscs. *Biol. Rev.*, 42: 1 - 41.
- Potts, W.T. (1968): Aspects of excretion in the molluscs. *Symp. Zool. Soc. Lond.*, 22: 187 - 192.
- Potts, W.T. and Parry, G. (1968): Osmotic and Ionic Regulation in Animals. Oxford - London. New York - Paris: Pergamon Press.
- Potts, W.T. and Todd, M. (1965): Kidney function in the octopus. *Comp. Biochem. Physiol.*, 16: 479 - 489.
- Prothero, J. (1979): Heart weight as a function of body weight in mammals. *Growth*, 43: 139 - 150.
- Prowse, R.H. and Tait, N.N. (1969): *In vitro* phagocytosis by amoebocytes from the haemolymph of *Helix aspersa* (Muller). I. Evidence for opsonic factor(s) in serum. *Immunology*, 17: 343 - 347.

- Purchon, R.D. (1955):** The functional morphology of the rock boring lamellibranch, *Petricola pholadiformis* (L.). *J. Mar. Biol. Ass. U.K.*, 34: 257 - 278.
- Purchon, R.D. (1968):** The Biology of the Mollusca. International Series of Monographs in Pure and Applied Biology. Zoology Division, Vol. 40. *Pergamon Press, Oxford*, 560 Pp.
- Rainbow, P.S. (1990):** Heavy metal levels in marine invertebrates. In "Heavy Metals in the Marine Environment", (ed. R.W. Furness & P.S. Rainbow). pp 67 - 79. *CRC Press, Boca Raton, FL*.
- Reish, D.J. and Carr, R.S. (1978):** The effects of heavy metals on the survival, reproduction, development and life cycle for two species of polychaetous annelids. *Mar. Pollut. Bull.*, 9: 24 - 27.
- Renwranztz, L. and Cheng, T.C. (1977):** Identification of agglutinin receptors on haemocytes of *Helix pomatia*. *J. Inverteb. Pathol.*, 29: 88 - 96.
- Renwranztz, L; Yoshino, T; Cheng, T.C. and Auld, K. (1979):** Size determination of haemocytes from the American oyster, *Crassostrea virginica* and the description of phagocytosis mechanism. *Zool. J. Physiol.*, 83: 1 - 12.
- Ridlington, J.W. and Fowler, B.A. (1979):** Isolation and partial characterization of cadmium - binding protein from the American oyster (*Crassostrea virginica*). *Chem. Biol. Interactions*, 25: 127 - 138.
- Ruellan, L; Rondelaud, D. and Barthe, D. (1987):** Nouvelles donnees sur la morphologie du tissu amibocyttaire chez *Lymnaea truncatula* (Muller) infestee par *Fasciola hepatica* L. *Bull. Soc. Fr. Parasitol.*, 5: 231 - 234.
- Runham, N.W; and Hunter, P.J. (1970):** "Terrestrial Slug". *Hutchison University Library, London*.
- Sabatier, M.A. (1877):** Anatomie de la moule commune. *Memories de l'Acad. Sci. et Letters de Montpellier*, 8: 413 - 518.
- Sadiq, M. and Alam, I.A. (1992):** Bioaccumulation of mercury in the clam (*Meretrix meretrix*) collected from Saudi coast of the Arabian Gulf. *Chemical Speciation and Bioavailability*, 4(1): 9 - 17.
- Savari, A; Lockwood, A.P; and Sheader, M. (1991):** Effects of season and size (age) on heavy metal concentrations of the common cockle (*Cerastoderma edule* L.) from South Umpteen water. *J. Moll. Stud.*, 57: 45 - 57.



- Schipp, R. and Hevert, F. (1981):** Ultrafiltration in the branchial heart appendages of dibranchiate cephalopods. A comparative ultrastructural and physiological study. *J. Exp. Biol.*, 92: 23 - 35.
- Schipp, R; Höhn, P. and Schafer, A.L. (1971):** Elektron mikroskopische und histochemische unter-suchungen zur function des kiemenherzanhangen (pericardialdruse) von *Z. Sepia officinalis*. *Zellforsch.*, 117: 252 - 274.
- Schipp, R. and von Boletzky, S. (1975):** Morphology and function of the excretory organs in dibranchiate cephalopods. *Fortscher. Zool.*, 23: 89 - 111.
- Scholz, N. (1980):** Accumulation, loss and molecular distribution of cadmium in *Mytilus edulis*. *Heloglander Wiss. Meeresunters.*, 33: 68 - 78.
- Schulz-Baldes, M. (1972):** Toxicitat und anreicherung von Blei Bei der Miesmuschel, *Mytilus edulis* in labor experiment. *Mar. Biol.*, 16: 226 - 229.
- Segar, D.A; Collins, J.D. and Riely, J.P. (1971):** The distribution of major and minor elements in marine animals. Part II. Mollusca. *J. Mar. Biol. Ass. U.K.*, 51: 131 - 136.
- Shaik, Z.A. and Smith, L.M. (1984):** Biological indicators of cadmium exposure and toxicity. *Experiertia.*, 40 : 36 - 43.
- Silva, R; Martins Da, S. and Zankan, D.M. (1994):** Seasonal variation of the carbohydrate and lipid metabolism in a land pulmonate gastropod, *Megalobulinus oblongus*. *Comp. Biochem. Physiol. A. physiol.*, 108 (2-3): 337 - 341.
- Simpson, R.D. (1982):** Reproduction and lipids in the subantartic limpet, *Nacella maquariensis*. *J. Exp. Mar. Biol. Ecol.*, 56(1): 33 - 48.
- Skelding, J.M. (1973):** The fine structure of the kidney of *Achatina achatina* (L). *Z. Zellforsch. Mikrosk. Anat.*, 147: 1 - 19.
- Sminia, T. (1972):** Structure and function of blood cells of fresh water pulmonate, *Lymnaea stagnalis* studied by electron microscope and enzyme histochemistry. *Z. Zellforsch; Mikrosk. Anat.*, 130: 497 - 526.
- Sminia, T. (1977):** Structure and function of blood and connective tissue cells of the pond snail, *Lymnaea stangalis*. *Malacologia*, 16: 255 - 256.
- Sminia, T. (1981):** Gastropods. In "Structure and Function of Blood Haemocyanin". (J.V. Bannister, ed.). pp 281-288. *Springer Verlag, Berlin*.

- Sminia, T. and Barendsen, L. (1980): A comparative morphological and enzyme histochemical study of blood cells of the freshwater snails, *Lymnaea stagnalis*, *Biomphalaria glabrata* and *Bulinus truncatus*. *J. Morph.*, 165: 31 - 39.
- Sminia, T; Pietersma, K. and Scheerboom, J.E.M. (1973): Histological and ultrastructural observation on wound healing in the fresh water pulmonate, *Lymnaea stagnalis*. *Z. Zellforsch.*, 141: 561 - 573.
- Smith, R. A. and Ord, M.J. (1983): Mitochondrial form and function relationships *in vivo*. Their potential in toxicology and pathology. *Invert. Rev. Cytol.*, 83: 63 - 134.
- Spurr, A.R. (1969): A low viscosity resin embedding medium for electron microscopy. *J. Ultrast. Res.*, 26: 31 - 43.
- Squibb, K.S; Ridlington, J.W; Carmichael, N.G. and Fowler, B.A. (1979): Early cellular effects of circulating cadmium thionein on kidney proximal tubules. *Environ. Hlth. Perspectives*, 28: 287 - 296.
- Stang-Voss, C. (1970): Zur ultrastruktur der blutzellen wirbelloser tiere. III Über die haemozyten der schnecke, *Lymnaea stagnalis* L. (pulmonata). *Z. Zellforsch.*, 107: 141 - 156.
- Stauber, L.A. (1950): The fate of india ink injected intracardially into the oyster, *Ostrea virginica* (Gmelin). *Biol. Bull.*, 98: 227 - 241.
- Stebbing, A.R. (1976): The effects of low metal levels on a clonal hydroid. *J. Mar. Biol. Ass. U.K.*, 56: 977 - 994.
- Stein, G.E. and Mackin, J.C. (1955): A study of the nature of the pigment cells of oysters and the relation of their number to the fungus disease caused by *Dermo cytidium narimum*. *Texas. J. Sci.*, 7: 422 - 492.
- Stickle, W.B. (1975): The reproductive physiology of the intertidal prosobranch, *Thyas lamellosa* (Gmelin). 2. Seasonal changes in biochemical composition. *Biol. Bull.*, 148: 448 - 460.
- Strohl, J. (1913): Die exkretion (Mollusken). In "Handbuck der Vergleichenden Physiologie" (H. Winterstein ed.). Vol. 2, Part 2, pp 443 - 607. *Fischer, Jena*.
- Suzuki, K.I; Kawahara, S. Sunaga, H. and Kobayashi, E. (1991): Discriminative uptake of cadmium, copper and zinc by the liver. In "Metallothionein in Biology and Medicine", (ed. C.D. Klassen & K. T. Suzuki). pp 197-208. *CRC Press, Boca Raton, Fl.*

- Szefer, P. and Szefer, K. (1985): Occurrence of metals in *Mytilus edulis* (L.) and *Cardium* sp. from the Gdansk Bay. *Mar. Pollut. Bul.*, 16: 450 - 466.
- Takatsuki, S. (1934): On nature and function of amoebocytes of the *Ostrea edulis*. *J. Micros. Sci.*, 76: 379-431.
- Tanveer, A. (1989): Haemolymph cell counts and incidence of infection in some gastropods. *Biologia*, 35 (1): 17-29.
- Tanveer, A. (1990): Studies on the morphology of haemocytes of *Lymnaea acuminata* and *Indoplanorbis exustus*. *Biologia*, 36(2): 25-32.
- Thiele, D. J. (1992): Metal regulated transcription in eukaryotes. *Nucleic Acid Res.*, 20: 1183-1191.
- Thurberg, F.P; Calabrese, A; Gould, F; Greig, R.A; Dawson, M.A. and Tucker, R. (1977): Response of the lobster, *Homarus americanus* to sublethal levels of cadmium and mercury. Cited from "Physiological Responses of Marine Biota to Pollutants. (Verberg, F.J; Calabrese, A; Thurberg, F.B. and Vernberg, W.B., eds.). pp 185-197. *Academic Press, New York and London*.
- Tripp, M.R. (1961): The fate of foreign materials experimentally introduced into the snail, *Australobris glabratus*. *J. Parasitol.*, 47:745-751.
- Trueman, E.R. and Brown, A.C. (1987): Proboscis extrusion in *Bullina* sp.(Nassariidae): A study of fluid skeleton in gastropods. *J. Zool.*, 211: 505-513.
- Turchini, J. (1923): Contribution a l'etude de l'histologie de la cellule renale. L'excretion urinaire chez les Mollusques. *Arch. Morph. Exp. Gen.*, 18: 7-241.
- Udioding, O.M. and Peace, M.M. (1991): Toxicity of cadmium, lead and lindane to *Egeria radiata* (Lamarck) (Lamellibranchiata: Donacidae). *Rev. Ydrobiol. Trop.*, 24(2): 111-118.
- Vigeliu, W.J. (1880): Uber do: Exkretionssystem der Cephalopoden. cited from Wagge, L.E. (1955): "Amoebocytes". *Int. Rev. Cytol.*, 4: 31-78.
- Wagge, L.E. (1955) : Amoebocytes. *Int. Rev. Cytol.*, 4: 31 - 78
- Walting, H.R. and Walting, R. J. (1976): Trace metals in *Choromytilus meridionalis*. *Mar. Pollut. Bull.*, 7: 91-94.

- Watts, J.A; Kock, R.A; Grffnberg, M.H. and Pierce, S.K. (1981): Ultrastructure of the heart of the marine mussel, *Geukensia demissa*. *J. Morph.*, 170: 301-309.
- Weber, R.E. (1990): Effect of mercury on the functional properties of haemoglobins from the bivalve mollusc, *Scapharca inaequivalvis*. *J. Exp. Mar. Biol. Ecol.*, 144: 39-48.
- Weber, E.R; Madsen, M.L; Bang, A; DeZwaan, A. and Cortesi, P. (1990): Effects of cadmium on anoxic survival, haematology, erythrocytic volume regulation and haemoglobin-oxygen affinity in the marine bivalve, *Scapharca inaequivalve*. *J. Exp. Mar. Biol. Ecol.*, 144: 29-38.
- Wells, M.J. (1992): The cephalopod heart: The evolution of a high-performance invertebrate pump. *Experientia*, 48 : 800-808.
- Wen, C.M. Kou, G.H. and Chen, S.N. (1994): Light and electron microscopy of haemocytes of the hard clam, *Meritrix lusoria* (Roding). *Comp. Biochem. Physiol. Comp. Physiol.*, 108 (2-3): 279-286.
- Wendelaar, B.S. and Boer, H.H. (1969): Ultrastructure of the renopericardial system in the pond snail, *Lymnaea stagnalis* (L). *Z. Zellforsch. Mikrosk. Anat.*, 94: 513-529.
- White, K.M. (1942): The pericardial cavity and the pericardial gland of the Lamellibranchiata. *Proc. Malacol. Soc. London*, 25: 31-88.
- Wilhelmi, J. (1916): Übersicht uber die biologische Beurteilung des wasses. *Ges. Natur F. Freund Berl.*, 297 - 306
- Williams, E.E. (1970): Seasonal variations in the biological composition of the edible winkle, *Lottorina littorea* (L.). *Comp. Biochem. Physiol.*, 33: 651-660
- Witmer, A. and Martin, A.W. (1973): The fine structure of the branchial heart appendages of the cephalopod, *Octopus dolfeini martini*. *Z. Zellforsch.*, 136: 545-568.
- Yonow, N. and Renwrantz, L. (1986): Studies on the haemocytes of *Acteon tornatilis* (L.) (Opisthobranchiata: Acteonidae). *J. Moll. Stud.*, 52: 150-155.
- Yoshino, T.P. and Cheng, T.C. (1976): Experimentally induced elevation of amino-peptidase activity in haemolymph cells of the American oyster, *Crassostrea virginica*. *J. Inverteb. Pathol.*, 27: 367-370.
- Zacks, S.I. (1955): The cytochemistry of the amoebocytes and intestinal epithelium of *Venus mercenaria* (Lamellibranchiata) with remarks on a pigment resembling ceroid. *Quet. J. Micr. Sci.*, 96: 57-71.

- 
- Zandee, D.I; Kluytmans, J.H; Zurburg, W. and Pieters, H. (1980): Seasonal variation in biochemical composition of *Mytilus edulis* with reference to energy metabolism and gametogenesis. *Neth. J. Sea. Res.*, 14: 1-29.
- Zaroogian, G. and Yevich, P. (1993): Cytology and biochemistry of brown cells in *Crassostrea virginica* collected at clean and contaminated stations. *Environ. Pollution*, 79: 191-197.
- Zaroogian, G; Yevich, P. and Pavignano, S. (1989): The role of the red gland in *Mercenari mercenaria* in detoxification. *Mar. Environ. Res.*, 28: 447-450.