

**BIBLIOGRAFIA**

- ABT, K.F. & BOCK, W.F. 1998. Seasonal variations of diet composition in farmland field mice *Apodemus* spp. and bank voles *Clethrionomys glareolus*. *Acta Theriologica* 43:379-389.
- AITCHISON, J. 1982. The analysis of compositional data (with discussion). *Journal of the Royal Statistical Society Series B* 44:135-177.
- AITCHISON, J. 1986. *The statistical analysis of compositional data: Monographs on statistics and applied probability*. Chapman & Hall Ltd., London. 416 p.
- ALEXANDER, P.J. 1996. Biophysical problems of small size. En *Miniature vertebrate*. Miller, P.J. (Ed.). Oxford University Press. London. 47-61.
- ALI, M.A. 1981. Adaptations rétiniennes aux habitats. *Revue Canadienne de Biologie*. 40:3-17.
- ALI, M.A. & KLYNE M.A. 1985a. *Vision in vertebrates*. Plenum Press. New York-London. 265 p.
- ALI, M.A. & KLYNE M.A. 1985b. Phylogeny and functional morphology of the vertebrate retina. *Fortschritte der Zoologie* 30:633-648.
- ANCTIL, M. & ALI, MA. 1976. Cone droplets of mitochondrial origin in the retina of *Fundulus heteroclitus* (Pisces: Cyprinodontidae). *Zoomorphology* 84:103-111.
- ANDERSON, D.H. & FISHER, S.K. 1976. The photoreceptors of diurnal squirrels: outer segment structure, disc shedding, and protein renewal. *Journal of Ultrastructure Research* 55:119-141.
- ARCHER, S.N. 1999. Light and photoreception: visual pigments and photoreception. En *Adaptative mechanisms in the ecology of vision*. Archer, S.N., Djamgoz, M.B.A., Loew, E.R., Partridge, J.C. & Vallerga, S. (Eds.). Kluwer Academic Publishers. Great Britain. 25-41.
- ARTAL, P., HERREROS DE TEJADA, P., MUÑOZ-TEDO, C. & GREEN, D.G. 1998. Retinal image quality in the rodent eye. *Visual Neuroscience* 14:597-605.

- BALLARD, K.A., SIVAK, J.G. & HOWLAND, H.C. 1989. Intraocular muscles of the canadian river otter and canadian beaver and their optical function. *Canadian Journal of Zoology* 67:469-474.
- BARISHAK, J.R. 1992. Embryology of the eye and its adnexae. *Developments in ophthalmology*. Vol 24. Karger. Basel. 141 p.
- BASSI, C.J. & POWER, M.K. 1990. Rod outer segment length and visual sensitivity. *Investigative Ophthalmology & Visual Science* 31:2320-2325.
- BATTELLE, B.A. & LAVAIL, M.M. 1978. Rhodopsin content and rod outer segment length in albino rat eyes: modification by dark adaptation. *Experimental Eye Research* 26:487-497.
- BEREITER-HAHN, J. 1990. Behavior of mitochondria in the living cell. *International Review of Cytology* 122:1-63.
- BESSOU, S., SURLEVE-BAZEILLE, J. E., SORBIER, E. & TAIEB, A. 1995. Ex vivo reconstruction of the epidermis with melanocytes and the influence of UVB. *Pigment Cell Research* 8:241-249.
- BILLHEIMER, D., GUTTORP, P. & FAGAN, W.F. 2001. Statistical interpretation of species composition. *Journal of the American Statistical Association* 96:1205-1214.
- BLANCO, J.C. 1998a. Mamíferos de España. Vol. I. Insectívoros, Quirópteros, Primates y Carnívoros de la península Ibérica, Baleares y Canarias. Ed. Planeta. Barcelona. 457 p.
- BLANCO, J.C. 1998b. Mamíferos de España. Vol. II. Cetaceos, Artiodáctilos, Roedores y Lagomorfos de la península Ibérica, Baleares y Canarias. Ed. Planeta. Barcelona. 358 p.
- BLANKS, J.C., ADINOLFI, A.M. & LOLLEY, R.N. 1974. Photoreceptor degeneration and synaptogenesis in retinal degeneration (rd) mice. *Journal of Comparative Neurology* 156:95-106.
- BLOCK, M. T. 1969. A note on the refraction and image formation of the rat's eye. *Vision Research* 9:705-711.
- BOON, M. E. & KOK, L.P. 1992. The microwave cookbook of pathology: the art of microscopic visualization, 3er edition. Ed. Leiden: Coulomb Press. 449 p.

- BORGHI, C.E., GIANNONI, S.M. & ROIG, V.G. 2002. Eye reduction in subterranean mammals and eye protective behaviour in *Ctenomys*. *Journal of Neotropical Mammalogy* 9:123-134.
- BORWEIN, B. 1981. The retinal receptor: a description. En *Vertebrate photoreceptor optics*. Enoch J.M., Tobey F.L. (Eds.) Berlin-Heidelberg New York: Springer. 11-81.
- BOZZANO, A., MURGIA, R., VALLERGA, S., HIRANO, J. & ARCHER, S. 2001. The photoreceptor system in the retinae of two dogfish, *Scyliorhinus canicula* and *Galeus melastomus* (Chondrichthyes, Scyliorhinidae): possible relationship with depth distribution and predatory lifestyle. *Journal of Fish Biology* 59:1258-1278.
- BRAEKEVELT, C.R. & HOLLENBERG, M.J. 1970. The development of the retina of the albino rat. *American Journal of Anatomy* 127:281-302.
- BRANIS, M. 1981. Morphology of the eye of shrews (Soricidae, Insectivora). *Acta Universitatis Carolinae-Biologica* 1979:409-445.
- BRANIS, M. 1985a. Optic nerve in Shrews (Insectivora, Soricidae). *Fortschritte der Zoologie* 30:715-717.
- BRANIS, M. 1985b. Postnatal development of the eye of *Sorex araneus*. *Acta Zoologica Fennica* 173:247-248.
- BRANIS, M. 1988. Light perception in the white-toothed shrew, *Crocidura suaveolens* (Mammalia, Insectivora). *Vestník Československé Společnosti Zoologické* 52:1-6.
- BRANIS, M. 1989. Morphology of the cornea in shrews (Soricidae, Insectivora) and its relation to burrowing habits. Abstract, Fifth International Theriological Congress, Rome. 653 p.
- BRANIS, M. & BURDA, H. 1994. Visual and hearing biology of shrews. *Carnegie Museum of Natural History* 18:189-200.
- BURDA, H., BRUNS, V. & MÜLLER, M. 1990. Sensory adaptations in subterranean mammals. En *Evolution of Subterranean Mammals at the Organismal and Molecular Levels*. Alan R. Liss, Inc. 269-293.

- BUTTERY, R.G., HINRICHSEN, C.F.L., WELLER, W.L. & HAIGHT, J.R. 1991. How thick should a retina be? A comparative study of mammalian species with and without intraretinal vasculature. *Vision Research* 31:169-187.
- CALDERON, C., MOHAMED, F., MUÑOZ, E., FOGAL, T., PELZER, L., PENISSI, A. & PIEZZI, R. 2002. Daily morphological variations in the Viscacha (*Lagostomus maximus maximus*) retina. Probable local modulatory action of melatonin. *Anatomical Record* 266:198-206.
- CALDERONE, J.B. & JACOBS, J.H. 1995. Regional variations in the relative sensitivity to UV light in the mouse retina. *Visual Neuroscience* 12: 463-468.
- CALDERONE, J.B. & JACOBS, J.H. 1999. Cone receptor variations and their functional consequences in two species of Hamster. *Visual Neuroscience* 16: 53-63.
- CALEY, D.W., JOHNSON, C. & LIEBELT, R.A. 1972. The postnatal development of the retina in the normal and rodless CBA mouse: a light and electron microscopic study. *American Journal of Anatomy* 133:179-221.
- CALMETTES, L., DEODATI, F, PIANEL, H. & BEC, C. 1956. Etude histologique et histochemique de l'épithelium antérieure de la cornée et de ses basales. *Archives of Ophthalmology* 16:481-506.
- CAMPBELL, F.W. 1957. The depth of field of the human eye. *Optica Acta* 4:157-164.
- CARTER-DAWSON, L.D. & LAVAIL, M.M. 1979. Rods and cones in the mouse retina: I. Structural analysis using light and electron microscopy. *Journal of Comparative Neurology*. 188:245-62.
- CASAS, J. 1994. Óptica. 7ªed. Zaragoza. 367p.
- CEI, G. 1946. Morfologia degli organi della vista negli Insectivori. *Archivio Italiano di Anatomia e di Embriologia* 52:1-42.
- CHANDLER, C.R. 1995. Practical considerations in the use of simultaneous inference for multiple tests. *Animal Behaviour* 49:524-527.
- CHAN-LING, T. 1997. Glial, vascular, and neuronal cytotogenesis in whole-mounted cat retina. *Microscopy Research and Technique (The histology of the retina. Part II)* 36:1-16.

- CHARMAN, W.N. 1991. The vertebrate dioptric apparatus. En Evolution of the eye and visual system. Vol 2 : Vision and visual disfunction. Cronly-Dillon, J.R. & Gregory, R.L. (Eds.). London. 82-117.
- CHASE, J. 1982. The evolution of retinal vascularization in mammals. A comparison of vascular and avascular retinae. Ophthalmology. 89:1518-1525.
- CHAUDHURI, A., HALLETT, P.E. & PARKER, J.A. 1983. Aspheric curvatures, refractive indices and chromatic aberration for the rat eye. Vision Research 23:1351-1363.
- CHIEFFI BACCARI, G. 1996. Organogenesis of the Harderian gland: a comparative survey. Microscopy Research and Technique 34:6-15.
- CICERONE, C. M. 1976. Cones survive rods in the light-damaged eye of the albino rat. Science 194:1183-1185.
- COHEN, A.I. 1960. The ultrastructure of the rods of the mouse retina. American Journal of Anatomy 107:23-48.
- COLLIN, S.P. 1999. Behavioural ecology and retinal cell topography. En adaptative mechanisms in the ecology of vision. Archer, S.N., Djamgoz, M.B.A., Loew, E.R., Partridge, J.C. & Vallerga, S. (Eds.). Kluwer Academic Publishers. Great Britain. 509-536.
- DAAN, S. 1981. Adaptative daily strategies in Behavior. En handbook of behavioural neurobiology. Vol. 4: Biological rhythms. Aschoff, J. (Ed.) Plenum Press. New York. 275-298.
- DARWIN, C. 1859. L'origen de les espècies. Edicions 62 (1982). Barcelona. 413 p.
- de JONG, W.W., HENDRIKS, W., SANYAL, S. & NEVO, E. 1990. The eye of the blind mole rat (*Spalax ehrenbergi*): regressive evolution at the molecular level. En Evolution of Subterranean Mammals at the Organismal and Molecular Levels. Alan R. Liss, Inc. 383-395.
- DEEGAN J.F. & JACOBS, G.H. 1993. On the identity of the cone types of the rat retina. Experimental Eye Research 56:375-377.
- DETWILER, S.R. 1940. Comparative anatomical studies of the eye with especial reference to the photoreceptors. Journal of Optical Society of America 30:42-50.
- DIAMOND, J.M. 1996. Competition for the brain space. Nature, 382:756-757.

- DICKMAN, C.R. 1992. Predation and habitat shift in the house mouse, *Mus domesticus*. *Ecology* 73:313-322.
- DiLORETO Jr., D., COX, C., GROVER, D.A., LAZAR, E., DEL CERRO, C. & DEL CERRO, M. 1994. The influences of age, retinal topography, and gender on retinal dege neration in the Fischer 344 rat. *Brain Research* 647:181-191.
- DJAMGOZ, M.B.A., VALLERGA, S. & WAGNER, H-J. 1999. Functional organization of the outer retina in aquatic and terrestrial vertebrates: comparative aspects and possible significance to the ecology of vision. En adaptative mechanisms in the ecology of vision. Archer, S.N., Djamgoz, M.B.A., Loew, E.R., Partridge, J.C. & Vallerga, S. (Eds.). Kluwer Academic Publishers.Great Britain. 329-382.
- DJERIDANE, Y. 1996. Comparative histological and ultrastuctural studies of the Harderian gland of rodents. *Microscopy Research and Technique* 34:28-38.
- DOUGLAS, R.H. & MARSHALL, N.J. 1999. A review of vertebrate and invertebrate optical filters. En *Adaptative Mechanisms in the Ecology of Vision*. Archer, S.N., Djamgoz, M.B.A., Loew, E.R., Partridge, J.C. & Vallerga, S. (Eds.). Kluwer Academic Publishers.Great Britain. 95-162.
- DOWLING, J.E. 1987. *The retina. An approachable part of the brain*. Cambridge, MA: Harvard University Press. 282 p.
- DRÄGER, U.C. & OLSEN, J.F. 1981. Ganglion cell distribution in the retina of the mouse. *Investigative Ophthalmology & Visual Science* 20:285-293.
- DUKE-ELDER, S. 1958. *System of ophthalmology*. Vol 1: *The Eye in Evolution*. London: Kimpton. 843 p.
- DUVIN, M.W. 1974. *Anatomy of the Vertebrate Retina*. *The Eye: Comparative physiology*. Vol 6. Davson, H. & Graham, L.T. (Eds). London Academic Press. 1977 pp 227-256.
- EGOZCUE, J.J., PAWLOWSKY-GLAHN, V., MATEU-FIGUERAS, G. & BARCELÓ-VIDAL, C. 2003. Isometric logratio transformations for compositional data analysis. *Mathematical Geology* 35:279-300.
- EHLERS, N. 1970. Morphology and histochemistry of the corneal epithelium of mammals. *Acta Anatomica* 75:161-198.

- EMANUELE, P.V. 1994. Ocular histotechnology. En laboratory methods in histotechnology. armed forces institute of pathology. Prophets, E.B., Mills, B., Arrington, J. B. & Sobin, L. H. (Eds.). American Registry of Pathology. Washington D.C. 279 p.
- ENCICLOPÈDIA CATALANA. 1987. Història natural dels Països Catalans: amfíbils, rèptils i mamífers, vol. 13. Barcelona. 498 p.
- ETIENNE, A.S., MAURER, R. & SÉGUINOT, V. 1996. Path integration in mammals and its interaction with visual landmarks. *Journal of Experimental Biology* 199:201-209.
- EULER, T. & WAESSLE, H. 1995. Immunocytochemical identification of cone bipolar cells in the rat retina. *Journal of Comparative Neurology*. 361: 461-478.
- FELDMANN, G., MAURICE, M., HUSSON, J.M., FIESSINGER, J.N., CAMILLERI, J.P., BENHAMOU, J.P. & HOUSSET, E. 1977. Hepatocyte giant mitochondria: an almost constant lesion in systemic scleroderma. *Virchows Archive A: Pathological Anatomy and Histology* 374:215-227.
- FELDMAN, J.L. & PHILLIPS, C.J. 1984. Comparative retinal pigment epithelium and photoreceptor ultrastructure in nocturnal and fossorial rodents: the eastern woodrat, *Neotoma floridana*, and the plains pocket gopher, *Geomys bursarius*. *Journal of Mammalogy* 65:231-245.
- FISHER, S.K., ANDERSON, D.H., ERICKSON, P.A., GUERIN, C.J., LEWIS, G.P. & LINBERG, K.A. 1993. Light and electron microscopy of vertebrate photoreceptors including a technique for electron microscopic autoradiography. En *Methods in neuroscience* vol 15: Photoreceptor cells. Hardgrave, P.A (Ed.). Academic Press Inc. California. 14-36.
- FOELIX, R.F., KRETZ, R. & RAGER, G. 1987. Structure and postnatal development of photoreceptors and their synapses in the retina of the tree shrew (*Tupaia belangeri*). *Cell & Tissue Research* 247:287-297.
- FORRESTER, J., DICK, A., McMENAMIN, P. & LEE, W. 1996. the eye. basic science and practice. W. B. Saunders Company. LTD London. 409 p.
- GHADIALLY, F.N. 1997. Ultrastructural pathology of the cell and matrix. Boston: Butterworth- Heinemann. 1414 p.

- GIANNONI, S.M. 1994. Ecoetología comparada de dos especies de roedores subterráneos: *Microtus (Terricola) duodecimcostatus* y *M. (T.) pyrenaicus*. Ph.D. dissertation, Universidad Autónoma de Madrid, Madrid, 237 p.
- GLICKSTEIN, M. & MILLODOT, M. 1970. Retinoscopy and eye size. *Science* 168:605-606.
- GOSÀLBEZ, J. LÓPEZ-FUSTER, M.J., FONTS, R. & SANS-COMA, V. 1980(82). Sobre la musaraña humana *Sorex minutus* Linnaeus, 1766 (Insectívora, Soricidae) en el Nordeste de la Península Ibérica. *Miscel·lània Zoològica* 6:109-134.
- GOSÀLBEZ, J. 1987. Insectívors i rosegadors de Catalunya. Metodologia d'estudi i catàleg faunístic. Ketres editora. Barcelona. 241 p.
- GOVARDOVSKII, V.I., ROHLICH, P., SZEL, A. & KHOKHLOVA, T.V. 1992. Cones in the retina of the Mongolian Gerbil, *Meriones unguiculatus*: an immunocytochemical and electrophysiological study. *Vision Research* 32:19-27.
- GRAY, S.J.; HURST, J.L., STIDWORTHY, R., SMITH, J., PRESTON, R. & MACDOUGALL, R. 1998.- Microhabitat and spatial-dispersion of the Grassland Mouse (*Mus Spretus*, Lataste). *Journal of Zoology* 246: 299-308.
- GRIM, J.N. 1990. Whorl-like outer segments in the retina of the mole (*Scalopus aquaticus*). *Acta Anatomica* 138:261-264.
- GRODUMS, E.I. 1977. Ultrastructural changes in the mitochondria of brown adipose cells during the hibernation cycle of *Citellus lateralis*. *Cell & Tissue Research* 185:231-237.
- GRÜN, G. & SCHWAMMBERGER, K.H. 1980. Ultrastructure of the retina in the shrew (Insectivora: Soricidae). *Zeitschrift für Säugetierkunde* 45:207-216.
- GUR, M. & SIVAK, J.G. 1979. Refractive state of the eye of a small diurnal mammal: the ground squirrel. *American Journal of Optometry & Physiological Optics* 56:689-695.
- HACK, I., PEICHL, L. & BRANDSTATTER, J.H. 1999. An alternative pathway for rod signals in the rodent retina: rod photoreceptors, cone bipolar cells, and the localization of glutamate receptors. *Proceedings of the National Academy of Sciences of the United States of America* 96:14130-14135.



- HAYASHI, S., OSAWA, T. & TOHYAMA, K., 2002. Comparative observations on corneas, with special reference to Bowman's layer and Descemet's membrane in mammals and amphibians. *Journal of Morphology* 254:247-258.
- HAYAT, M.A. 1981. Principles and techniques of electron microscopy: biological applications. 2nd ed. Univ. Park Press, Baltimore. 522 p.
- HAYAT, M.A. 1988. Fixation for electron microscopy. Academic Press Inc. New York. 501p.
- HERBIN, M, RICHARD, S., RIO, J.P., REPÉRANT, J., NEVO, E. & COOPER, H.M. 1993. Consequences of reduced eye size on the visual and photoperiodic systems in the blind mole rat, *Spalax ehrenbergi* American Society for Neuroscience 19:998.
- HERMES, B., REUSS, S. & VOLLRATH, L. 1993. Strain differences in the ratio of synaptic body types in the photoreceptors of the rat retina. *Vision Research* 33:2427-2430.
- HOGAN, M.J., ALVARADO, J.A. & WEDDELL, J.E. 1971. Histology of the human eye. Saunders, W.B.(Ed.). Philadelphia. 687 p.
- HOPPEL, C.L., & TANDLER, B. 1993. Megamitochondria. En *Mitochondrial dysfunction*. Jones, D.P., Lasch, L.H. (Eds). San Diego: Academic Press. 191-206.
- HUBEL, D.H. 1995. Eye, brain and vision. New York Scientific American Library. New York. 242 p.
- HUGHES, A. 1972. A schematic eye for the rabbit. *Vision Research* 12: 123-138.
- HUGHES, A. 1976. A supplement to the cat schematic eye. *Vision Research* 16: 149-154.
- HUGHES, A. 1977. The topography of vision in mammals of contrasting life style: comparative optics and retinal organisation. En *Handbook of sensory physiology Vol VII/5: The visual system in evolution. A. Vertebrates*. Crescitelli, F. (Ed.). Springer-Verlag. Berlin. 613-756.
- HUGHES, A. 1979. A schematic eye for the rat. *Vision Research* 19:569-588.
- HUGHES, A. 1986. The schematic eyes comes of age. En *Visual Neuroscience*. Pettigrew, J., Sanderson, K.J. & Levick, W.R. (Eds.). Cambridge University Press. Cambridge. 60-89.

- ISHIKAWA, T. & YAMADA, E. 1969. Atypical mitochondria in the ellipsoid of the photoreceptor cells of vertebrate retinas. *Investigative Ophthalmology* 8:302-316.
- JACOBS, G.H. 1990. Duplicity theory and ground squirrels: linkages between photoreceptors and visual function. *Visual Neuroscience* 5:311-318.
- JACOBS, G.H. 1993. The distribution and nature of color vision among the mammals. *Biological Revision* 68:413-471.
- JACOBS, G.H. & DEEGAN, J.F. 1994. Sensitivity to ultraviolet-light in the gerbil (*Meriones unguiculatus*): characteristics and mechanisms. *Vision Research* 34:1433-1441.
- JACOBS, G.H., FENWICK, J.A. & WILLIAMS, G.A., 2001. Cone-based vision of rats for ultraviolet and visible light. *Journal of Experimental Biology* 204:2439-2446.
- JACOBS, G.H., NEITZ, J. & DEEGAN, J.F. 1991. Retinal receptors in rodents maximally sensitive to ultraviolet light. *Nature* 353:655-656.
- JACOBS, G.H., TOOTELL, R.B.H., FISHER, S.K. & ANDERSON, D.H. 1980. Rod photoreceptors and scotopic vision in ground squirrels. *Journal of Comparative Neurology* 189:113-125.
- JANSEN, H.G., HAWKINS, R.K. & SANYAL, S. 1997. Synaptic growth in the rod terminals of mice after partial photoreceptor cell loss: a three-dimensional ultrastructural study. *Microscopy Research and Technique (The histology of the retina. Part III)* 36:96-105.
- JOHANNESSEN-GROSS, K. 1988. Lernversuche in einer Zweifachwahlapparatur zum Hell-Dunkel-Sehen des Maulwurfs (*T. europaea* L.). *Zeitschrift für Säugetierkunde* 53:193-201.
- KARDONG, K.V. 1999. Vertebrados: anatomía comparada, función, evolución. McGraw-Hill Interamericana. Madrid. 732 p.
- KAUFMAN, M.H. 1992. The Atlas of mouse development. Academic Press Inc. USA. 512 p.
- KELLY, R.E. & ARNOLD, J.W. 1972. Myofilaments of the pupillary muscles of the iris fixed *in situ*. *Journal of Ultrastructure Research* 40:532-545.

- KNABE, W. & KUHN, H.J. 1996. Morphogenesis of megamitochondria in the retinal cone inner segments of *Tupaia belangeri* (Scandentia). *Cell & Tissue Research* 285:1-9.
- KNABE, W., SKATCHKOV, S. & KUHN, H. J. 1997. "Lens mitochondria" in the retinal cones of the tree-shrew *Tupaia belangeri*. *Vision Research* 37:267-271.
- KOLMER, W. & LAUBER, H. 1936. Haut und Sinnes Organe, Zweiter Teil, Auge. Handbuch der mikroskopischen Anatomie des Menschen, Bd 3. Von Mollendorf, Berlin: Julius Springer. 782 p.
- KOVALEVSKY, G., DiLORETO Jr, D., WYATT, J., DEL CERRO, C., COX, C. & DEL CERRO, M. 1995. The intensity of the pupillary light reflex does not correlate with the number of retinal photoreceptor cells. *Experimental Neurology* 133: 43-49.
- KRAUSE, W. 1895. Die Retina. VI. Die Retina der Säuger. *International Monatsschrift für Anatomie und Physiologie* 12:105-186. (Citat per Carter-Dawson & Lavail, 1979).
- KRONFELD-SCHOR, N., DAYAN, T., JONES, M.E., KREMER, I, MANDELIK, Y., WOLLBERG, M., YASSUR, Y. & GATON, D.D. 2001. Retinal structure and foraging microhabitat use of the golden spiny mouse (*Acomys russatus*). *Journal of Mammalogy* 82:1016-1025.
- KRYGER, Z., GALLI-RESTA, L., JACOBS, G.H. & REESE, B.E. 1998. The topography of rod and cone photoreceptors in the retina of the ground squirrel. *Visual Neuroscience* 15:685-691.
- KÜHNE, J.H. 1983. Rod receptors in the retina of *Tupaia belangeri*. *Anatomy and Embryology* 167: 95-102.
- KUSHIDA, H. 1962. A study of cellular swelling and shrinkage during fixation, dehydration, and embedding in various standard media. *Journal of Electron Microscopy* 11:135-138.
- KUSZAK, J.R., PETERSON, K.L., SIVAK, J.G. & HERBERT, K.L. 1994.- The interrelationship of lens anatomy and optical quality. II. Primate lenses. *Experimental Eye Research* 59 : 521-35.
- LAI, Y.L. 1980. Outward movement of photoreceptor cells in normal rat retina. *Investigative Ophthalmology & Visual Science* 19:849-856.

- LAI, Y.L., JACOBY, R.O. & JONAS, A.M. 1978. Aged-related and light-associated retinal changes in Fischer rats. *Investigative Ophthalmology & Visual Science* 17:634-638.
- LAI, Y.L., JACOBY, R.O. & YAO, P.C. 1979. Peripheral retinal degeneration. *American Journal of Pathology* 97:449-452.
- LAVAIL, M.M. 1976a. Rod outer segment disk shedding in the rat retina: relationship to cyclic lighting. *Science* 194:1071-1074.
- LAVAIL, M.M. 1976b. Survival of some photoreceptor cells in albino rats following long-term exposure to continuous light. *Investigative Ophthalmology* 15:64-70.
- LEONG, A.S.Y., DAYMON, M.E. & MILIOS, J. 1985. Microwave irradiation as a form of fixation for light and electron microscopy. *Journal of Pathology* 146:313-321.
- LEVINE, J.S. 1985. The vertebrate eye. En: *Functional Vertebrate Morphology*. Hildebran, M, Bramble, D.M., Liem, K.F. & Wake, D.B. (Eds.). Harvard University Press. USA. 430 p.
- LLORETA-TRULL, J. & SERRANO, S. 1998. Biology and pathology of the mitochondrion. *Ultrastructural Pathology* 22:357-367.
- LLUCH, S. 1986. Estudi morfològic i biològic de *Talpa europaea* L. 1758, en el nord-est de la península Ibèrica. Tesi de Llicenciatura. Universitat de Barcelona. 218 p.
- LOCKET, N.A. 1999. Vertebrate photoreceptors. En *Adaptive mechanisms in the ecology of vision*. Archer, S.N., Djamgoz, M.B.A., Loew, E.R., Partridge, J.C. & Vallerger, S. (Eds.). Kluwer Academic Publishers. Great Britain. 163-196.
- LONG, K.O. & FISHER, S.K. 1983. The distributions of photoreceptors and ganglion cells in the California ground squirrel (*Spermophilus beecheyi*). *Journal of Comparative Neurology* 221:329-340.
- LONG, K.O., FISHER, S.K, FARISS, R.N. & ANDERSON, D.H. 1986. Disc shedding and autophagy in the cone-dominant ground squirrel retina. *Experimental Eye Research* 43:193-205.
- LÓPEZ-FUSTER, M.J. 1983. Sobre los Géneros *Sorex* Linnaeus, 1758, *Suncus* Ehrenberg, 1833 y *Crocidura* Wagler, 1832 (Insectivora, Soricidae) en el Nordeste de la Península Ibérica. Tesis doctoral. Universitat de Barcelona. 338 p

- LÓPEZ-FUSTER, M.J., GOSÀLBEZ, J. & SANS-COMA, V. 1985. Presencia y distribución de *Sorex coronatus* Millet 1828 (Insectivora, Mammalia) en el NE Ibérico. Publicaciones del Departamento de Zoología. Barcelona. 11:93-97.
- LYTHGOE, J.N. 1979. The ecology of vision. Clarendon Press. Oxford. 244 p.
- MACNICHOL, E.F., KUNZ, Y.W., LEVINE, J.S., HÁROSI, F.I., COLLINS, B.A. 1978. Ellipsosomes, organelles containing a cytochrome-like pigment in the retinal cones of certain fishes. *Science* 200:549-552.
- MARGO, C.E., SAXE, S. & GROSSNIKLAUS, H.E. 1992. Microwave-stimulated chemical fixation of whole eyes. *Ophthalmology* 99:1117-1122.
- MARRERO, A., MARTÍN, J.M., PÉREZ, M.A., RODRÍGUEZ, A. & YANES, C.M. 1987. Presence of giant mitochondria during cerebellar ontogenesis in reptiles. *Experientia* 43:927-928.
- MARTIN, G.R. 1983. Schematic eye models in vertebrates. En *Progress in sensory physiology*, vol. 4. Ed by Ottoson, D. Springer, Berlin, Heidelberg, New York. 43-81.
- MARTIN, G.R. 1999. Optical structure and visual fields in birds: their relationship with foraging behaviour and ecology. En *adaptive mechanisms in the ecology of vision*. Archer, S.N., Djamgoz, M.B.A., Loew, E.R., Partridge, J.C. & Vallerga, S. (Eds.). Kluwer Academic Publishers. Great Britain. 485-508.
- MATEU-FIGUERAS, G., MARTÍN-FERNÁNDEZ, J. A., PAWLOWSKY-GLAHN, V. & BARCELÓ-VIDAL, C., 2003. 27 Congreso nacional de estadística e investigación operativa. Lleida 8-11 de abril de 2003.
- MATIAS, C., MOURA NUNES, J.F., SOBRINHO, L.G. & SOARES, J. 1991. Giant mitochondria and intramitochondrial inclusions in benign thyroid lesions. *Ultrastructural Pathology* 15:221-229.
- MAYERS, C.P. 1970. Histological fixation by microwave heating. *Journal of Clinical Pathology* 23:273-275.
- MAYHEW, T.M. & ASTLE, D. 1997. Photoreceptor number and outer segment disk membrana surface area in the retina of the rat: stereological data for whole organ and average photoreceptor cell. *Journal of Neurocytology* 26:53-61.

- McBRIEN, N.A., MOGHADDAM, H.O., NEW, R. & WILLIAMS, L.R. 1993. Experimental myopia in a diurnal mammal (*Sciurus carolinensis*) with no accommodative ability. *Journal of Physiology* 469:427-441.
- MENNER, E. 1928. Untersuchungen über die Retina mit besonderer Berücksichtigung der äusseren Korperschichte. *Zeitschrift Für Vergleichende Physiologie* 8:761-826.
- MERINDANO, M.D. 1994. Anatomía comparada de la córnea de diferentes especies de mamíferos. Tesis Doctoral. Barcelona. 495 p.
- MÍŠEK, I. 1988. Developmental anatomy of mole *Talpa europaea* (Insectivora, Talpidae). VIII. Ontogeny of visual organ. *Folia Zoologica*. 37:333-342.
- MITCHELL-JONES, A.J., AMORI, G., BOGDANOWICZ, W., KRYŠTUFEK, B., REIJNDERS, P.J.H., SPITZENBERGER, F., STUBBE, M., THISSEN, J.B.M., VOHRALIK, V. & ZIMA, J. 1999. The atlas of european mammals. Poyser Natural History. Academic Press. London. 484 p.
- MÜLLER, B. & PEICHL, L. 1989. Topography of cones and rods in the tree shrew retina. *Journal of Comparative Neurology* 282:581-594.
- MORELL, V. 1995. A 24-hour circadian clock is found in the mammalian retina. *Science* 272:349.
- MURAKOSHI, M., OSAMURA, Y. & WATANABE, K. 1985. Mitochondrial alterations in aged rat adrenal cortical cells. *Tokai Journal of Experimental and Clinical Medicine* 10:531-536.
- MURATA, Y., KAIDOH, T. & INOUE, T. 1998. Ultrastructural changes of the myoepithelium of the dilator pupillae during miosis and mydriasis in the rat iris. *Archives of Histology and Cytology* 61:29-36.
- MURPHY, C.J., HOWLAND, H.C., KWIECINSKI, G.C., KERN, T. & KALLEN, F. 1983. Visual accommodation in the flying fox (*Pteropus giganteus*). *Vision Research* 23:617-620.
- NAG, T.C. & BHATTACHARJEE, J. 1995. Retinal ellipsosomes: morphology, development, identification and comparison with oil droplets. *Cell & Tissue Research* 279: 633-637.
- NEITZ, J. & JACOBS, G.H. 1986. Reexamination of spectral mechanisms in the rat (*Rattus norvegicus*). *Journal of Comparative Psychology* 100:21-29.

- NEVO, E. 1979. Adaptive convergence and divergence of subterranean mammals. *Annual Review of Ecology and Systematics* 10:269-308.
- NIETHAMMER, J. & KRAPP, F. 1978. *Handbuch der Säugetiere Europas*. Band 1, Rodentia I (Sciuridae, Castoridae, Gliridae, Muridae). Akademische Verlagsgesellschaft. Wiesbaden. 476 p.
- NIETHAMMER, J. & KRAPP, F. 1982. *Handbuch der Säugetiere Europas*. Band 2/I Rodentia II (Cricetidae, Arvicolidae, Zapodidae, Spalacidae Hystricidae, Capromyidae). Akademische Verlagsgesellschaft. Wiesbaden. 649 p.
- NIETHAMMER, J. & KRAPP, F. 1990. *Handbuch der Säugetiere Europas*. Band 3/I Insektenfresser. Herrentiere. Aula-Verlag. Wiesbaden. 523 p.
- NIR, I., AGARWAL, N. & PAPERMASTER, D.S. 1990. Opsin gene expression during early and late phases of retinal degeneration in rds mice. *Experimental Eye Research* 51:257-267.
- NIR, I., RANSOM, N. & SMITH, S.B. 1995. Ultrastructural features of retinal dystrophy in mutant vitiligo mice. *Experimental Eye Research* 61:363-377.
- NORUSIS, M.J. 2000. *SPSS 10.0 Guide to data analysis*. SPSS Inc. Prentice Hall. Chicago, Illinois. 577 p.
- OYSTER, C.W. 1999. *The human eye. structure and function*. Sinauer Associates. USA. 700 p.
- PALOMO, L.J. & GISBERT, J. 2002. *Atlas de los mamíferos terrestres de España*. Dirección General de Conservación de la Naturaleza – SECEM – SECEMU, Madrid. 564 p.
- PANG, S.F. & YEW, D.T. 1979. Pigment aggregation by melatonin in the retinal pigment epithelium and choroid of the guinea pigs, *Cavia porcellus*. *Experientia* 35:231-233.
- PAPADIMITRIOU, J.C. & DRACHENBERG, C.B. 1994. Giant mitochondria with paracrystalline inclusions in paraganglioma of the urinary bladder: Correlation with mitochondrial abnormalities in paragangliomas of other sites. *Ultrastructural Pathology* 18:559-564.

- PARK, S.S., SIGELMAN, J. & GRAGOUDAS, E.S. 1994. Anatomy and cell biology of the retina. En Biomedical foundations of ophthalmology. Vol 1: Anatomy, embryology and teratology. Duane T.D. & Jaeger. Harper & Row. Lippincott-Raven Publishers. Philadelphia. Capítol 19:1-63.
- PAWLOWSKY-GLAHN, V. & EGOZCUE, J.J. 2001. Geometric approach to statistical analysis on the simplex. *Stochastic Environmental Research and Risk Assessment* 15:384-398.
- PAWLOWSKY-GLAHN, V. & EGOZCUE, J.J. 2002. BLU estimators and compositional data. *Mathematical Geology* 34:259-274.
- PEARSON, K. 1897. Mathematical contributions to the theory of evolution. On a form of spurious correlation which may arise when indices are used in the measurement of organs. *Proceedings of the Royal Society of London* LX:489-502. (Citat per Mateu-Figueras *et al.*, 2003).
- PEI, Y.F., RHODIN, J.A.G. 1970. The prenatal development of the mouse eye. *Anatomical Record* 168:105-126.
- PEICHL, L. & GONZALEZ-SORIANO, J. 1994. Morphological types of horizontal cell in rodent retinae: A comparison of rat, mouse, gerbil and guinea pig. *Visual Neuroscience* 11:501-517.
- PENN, J.S. & ANDERSON, R.E. 1991. Effects of light history on the rat retina. En *Progress in retinal research*, vol 10. Osborne, N.N. and Chader, G.J. (Eds.) Pergamon Press, London. 45-67.
- POLYAK, S. 1968. *The vertebrate visual system*. The University of Chicago Press. Chicago. 1390 p.
- PRINCE, J.H. 1956. *Comparative anatomy of the eye*. Thomas, C.C. (Ed.). Springfield, Illinois. 418 p.
- PROVENCIO, I. & FOSTER, R.G. 1995. Circadian rhythms in mice can be regulated by photoreceptors with cone-like characteristics. *Brain Research* 694:183-90.
- PRUSKY, G.T. & DOUGLAS, R.M. 2003. Developmental plasticity of mouse visual acuity. *European Journal of Neuroscience* 17:167-173.
- QUILLIAM, T.A. 1964. Special features of the eye of the mole. *Anatomical Record* 148:396.



- QUILLIAM, T.A. 1966. The mole's sensory apparatus. *Journal of Zoology* 149:76-88.
- RAFFERTY, N.S. & ESSON, E.A. 1974. An electron microscope study of adult mouse lens: some ultrastructural specializations. *Journal of Ultrastructure Research* 46:239-253.
- RAMÓN Y CAJAL, S. 1893. La rétine des vertébrés. *La Cellule* 9:17-257.
- REICHHOLF, J. 1984. Mamíferos. *Guías de natura Blume*. Ed. Blume. Barcelona. 287 p.
- REMINGTON, L.A. 1998. *Clinical Anatomy of the Visual System*. Butterworth-Heinemann. USA. 258 p.
- REMTULLA, S. & HALLETT, P.E. 1985. A schematic eye for the mouse, and comparisons with the rat. *Vision Research* 25, 21-31.
- RICE, W R. 1989. Analyzing tables of statistical tests. *Evolution* 43:223-225
- RIEPEL, O. 1996. Miniaturization in tetrapods: consequences for skull morphology. En *Miniature Vertebrate*. Miller, P.J. (Ed.). Oxford University Press. London. 47-61.
- ROCHON-DUVIGNEAUD, A. 1943. *Les yeux et la vision des vertébrés*. Masson. Paris. 719 p.
- ROSS, D., COHEN, A.I. & McDOUGAL Jr, D.B. 1975. Choline acetyltransferase and acetylcholine esterase in normal and fractionated mouse retinas. *Investigative Ophthalmology* 14:756-761.
- SAKAI, T. 1989. Major ocular glands (Harderian gland and lacrimal gland) of the musk shrew (*Suncus murinus*) with a review on the comparative anatomy and histology of the mammalian lacrimal glands. *Journal of Morphology*. 201:39-57.
- SAMORAJSKI, T., ORDY, J.M. & KEEFE, J.R. 1966. Structural organization of the retina in the tree-shrew *Tupaia glis*. *Journal of Cell Biology* 28:489-504.
- SANS-COMA, V. 1979. Beitrag zur Kenntnis der Waldsitzmau (*Sorex araneus* Linné, 1758), in Katalonien, Spain.
- SANYAL, S., JANSEN, H.G., DE GRIP, W.J., NEVO, E. & de JONG, W.W. 1990. The eye of the blind mole rat, *Spalax ehrenbergi* Rudiment with hidden function?. *Investigative Ophthalmology and Visual Science* 31:1398-1404.

- SATO, Y. 1977. Comparative morphology of the visual system of some Japanese species of Soricoidae (Superfamily) in relation to life habits. *Journal für Hirnforschung* 6:531-546.
- SAVIC, J., TODOROVIC, M. & MIKEŠ, M. 1976. Therioecological investigations in agroecosystems and forest field stations. *Ekologija* 11:167-179.
- SCHRAERMEYER, U. 1993. Does melanin turnover occur in the eyes of adult vertebrates?. *Pigmented Cell Research* 6:193-204.
- SCHREMSEER, J.L. & WILLIAMS, T.P. 1995. Rod outer segment (ROS) renewal as a mechanism for adaptation to a new intensity environment. I: Rhodopsin levels and ROS length. *Experimental Eye Research* 61:25-32.
- SCHULTZE, M. 1866. Zur Anatomie und Physiologie der Retina. *Archiv für Mikroskopische Anatomie* 2:175-286 (citat per Jacobs, 1990).
- SCHWARTZ, S. 1935. Über das Mausauge seine Akomodation und über das Spitzmausauge. *Jena Zoology Naturwissenschaften* 70:113-158.
- SHARMA, D.R. 1957. Studies on the anatomy of the indian insectivore *Suncus murinus*. *Journal of Morphology* 102:405-591.
- SHOJI, M., OKADA, M., OHTA, A., HIGUCHI, K., HOSOKAWA, M. & HONDA, Y. 1998. A morphological and morphometrical study of the retina in aging SAM mice. *Ophthalmic Research*. 30: 172-179.
- SIDMAN, R.L. 1957. The structure and concentration of solids in photoreceptor cells studied by refractometry and interference microscopy. *Journal of Biophysical and Biochemical Cytology* 3:15-33.
- SIDMAN, R.L. 1958. Histochemical studies on photoreceptor cells. *Annals of New York Academy of Sciences* 74:182-195.
- SIGMUND, L. 1985. Anatomy, morphometry and function of sense organs in shrews (Soricidae, Insectivora, Mammalia). *Fortschritte der Zoologie* 30:661-665.
- SIGMUND, L., DRUGA, R. & SIEGMUND, R. 1984. Retinal projections in *Crocidura suaveolens* (Soricidae, Insectivora, Mammalia). The primary optic pathway. *Vesnit Československe Spolecnosti Zoologicke* 48:296-301.

- SIGMUND, L., SIEGMUND, R. & CLAUSSEN, C.P. 1987. Bau und Funktion der optischen Sinnesorgane bei der Waldspitzmaus (*Sorex araneus*) und der Gartenspitzmaus (*Crocidura suaveolens*) und ihre Beziehung zum lokomotorischen Verhalten. Zoologisches Jahrbuch, Physiologie 91:63-78.
- SIGMUND, L., DANDOVÁ, R., KODEJŠOVÁ, V. & SIEGMUND, R. 1989. Das Licht als Umweltfaktor im Leben der Wasserspitzmaus (*Neomys fodiens*). Zeitschrift für Säugetierkunde 63, Supplement 7:7.
- SIVAK, J.G. 1976. The role of the flat cornea in the amphibious behaviour of the blackfoot penguin (*Spheniscus demersus*). Canadian Journal of Zoology 54:1341-1346.
- SIVAK, J.G., ANDISON, M.E. & PARDUE, M.T. 1999. Vertebrate optical structure. En adaptative mechanisms in the ecology of vision Archer, S.N., Djamgoz, M.B.A., Loew, E.R., Partridge, J.C. & Vallerga, S. (Eds.) Kluwer Academic Publishers.Great Britain. 485-508.
- SIVAK, J.G., HERBERT, K.L., PETERSON K.L. & KUSZAK, J.R. 1994.- The interrelationship of lens anatomy and optical quality. I. Non-primate lenses. Experimental Eye Research 59:505-520.
- SLAUTTERBACK, D.B. 1965. Mitochondria in cardiac muscle cells of the canary and some other birds. Journal of Cell Biology 24:1-21.
- SNYDER, A., LAUGHLIN, S.B. & STAVENGA, D.G. 1977. Information capacity of eyes. Vision Research 17:1163-1175.
- SPICER, S.S., PARMLEY, R.T., BOYD, L. & SCHULTE, B.A. 1990. Giant mitochondria distinct from enlarged mitochondria in secretory and ciliated cells of gerbil trachea and bronchioles. American Journal of Anatomy 188: 269-281.
- SPRANDO, R.L., BRANIS, M. & DRYDEN, G.L. 1989. Prenatal development of the eye of the asian musk shrew, *Suncus murinus* (Mammalia, Insectivora). Vesnit Ceskoslovenske Spolecnosti Zoologicke. 53:7-16.
- SPURR, A.R. 1969. A low-viscosity epoxy resin embedding medium for electron microscopy. Journal of Ultrastructure Research 26:31.
- STOPKA, P. & MACDONALD, D.W., 2003. Way-marking behaviour: an aid to spatial navigation in the wood mouse (*Apodemus sylvaticus*). BMC Ecology 2003, 3:3.

- SZÉL, Á., CSORBA, G., CAFFÉ, A.R., SZÉL, G., RÖHLICH, P. & VAN VEEN, T. 1994. Different patterns of retinal cone topography in two genera of rodents, *Mus* and *Apodemus*. *Cell & Tissue Research* 276:143-150.
- SZÉL, Á. & RÖHLICH, P. 1988. Four photoreceptors types in the ground squirrel retina as evidenced by immunocytochemistry. *Vision Research* 28:1297-1302.
- SZÉL, Á. & RÖHLICH, P. 1992. Two cone types of the rat retina detected by anti-visual pigment antibodies. *Experimental Eye Research* 55:47-52.
- SZÉL, Á., RÖHLICH, P., CAFFÉ, A.R., JULIUSSON, B., AGUIRRE, G. & VAN VEEN, T. 1992. Unique topographic separation of two spectral classes of cones in the mouse retina. *Journal of Comparative Neurology* 325:327-342.
- SZÉL, Á., RÖHLICH, P., CAFFÉ, A.R. & VAN VEEN, T. 1996. Distribution of cone photoreceptors in the mammalian retina. *Microscopy Research and Technique (The histology of the retina. Part I)* 35:445-462.
- TAKEDA, M., KAGEGAMA, T. & SUZUKI, M. 1996. Effect of thyroidectomy on photoreceptor cells in adult rat retina. *Life Sciences* 58:631-637.
- TANDLER, B. & HOPPEL, C.L. 1986. Studies of giant mitochondria. *Annals of New York Academy Sciences* 488:65-81.
- TANDLER, B., NAGATO, T. & PHILLIPS, C.J. 1997. Megamitochondria in the serous acinar cells of the submandibular gland of the neotropical fruit bat, *Artibeus obscurus*. *Anatomical Record* 248:13-17.
- THIAGARAJAH, J.R. & VERKMAN, A.S. 2002. Aquaporin deletion in mice reduces corneal water permeability and delays restoration of transparency after swelling. *Journal of Biological Chemistry* 277: 19139-19144.
- THOMPSON, I. 1991. Considering the evolution of vertebrate neural retina. In *Vision and visual dysfunction. Vol 2 : Evolution of the eye and visual system.* Cronly-Dillon, J.R. & Gregory, R.L. (Eds.). McMillan. London. 136 p.
- TYLER D. 1992. *The Mitochondrion in health and disease.* New York: Wiley VCH 557 p.
- ULINSKI, P.S. 1980. Functional morphology of the vertebrate visual system: an essay on the evolution of complex systems. *American Zoology* 20 :229-246.

- VAN DER MEER, H.J. & ANKER, G.C. 1986. The influence of light deprivation on the development of the eye and retina in the cichlid *Sarotherodon mossambicus* (Teleostei). *Netherlands Journal of Zoology* 36:480-498.
- VENTURA, J. 1988. Contribución al conocimiento del género *Arvicola* Lacépède, 1799, en el nordeste de la península Ibérica. Tesis de Licenciatura. Universidad de Barcelona. 590 p.
- VERRIER, M.L. 1935. Les variations morphologiques de la rétine et leurs conséquences physiologiques. A propos de la rétine d'une musaraigne (*Crocidura mimula* Miller). *Annales des Sciences Naturelles, Zoologie*. 18:205-216.
- WALLS, G.L. 1942. The vertebrate eye and its adaptative radiation. Cranbrook Institute of Science, Bloomfield Hills, Michigan. 785 p.
- WALLS, G.L. 1963. The vertebrate eye and its adaptative radiation. Hafner Publishing Co, New York. 785 p.
- WALLS, G.L. & JUDD, H.D. 1933. The intraocular colour filters of vertebrates. *British Journal of Ophthalmology* 17:705-725.
- WÄSSLE, H. & BOYCOTT, B.B. 1991. Functional architecture of the mammalian retina. *Physiological Reviews*. 71:447-480.
- WEISSE, I. 1995. Changes in the aging rat retina. *Ophthalmic Research* 27 (suppl. 1): 154:163.
- WEST, J.A., SIVAK, J.G., MURPHY, C.J. & KOVACS, K.M. 1991. A comparative study of the anatomy of the iris and ciliary body in aquatic mammals. *Canadian Journal of Zoology* 69:2594-2607.
- WEST, R.C. & DOWLING, J.E. 1975. Anatomical evidence for cone and rod receptors in the gray squirrel, ground squirrel, and prairie dog retinas. *Journal of Comparative Neurology* 159:439-460.
- WILLIAMS, R.W. & RAKIC, P. 1988. Three-dimensional counting: an accurate and direct method to estimate numbers of cells in sectioned material. *Journal of Comparative Neurology* 278:334-352.
- WILSON, D. E. & REEDER, D. (Eds.), 1993. *Mammals species of the world. a taxonomic and geographic reference*. Smithsonian Institution Press. Washington D. C. 1206 p.

- WOLFE, J.L. & SUMMERLIN, C.T. 1989. The influence of lunar light on nocturnal activity of the old-field mouse. *Animal Behaviour* 37:410-414.
- YOUNG, R.W. 1971a. The renewal of rod and cone outer segments in the *Rhesus* monkey. *Journal of Cell Biology* 49:303-318.
- YOUNG, R.W. 1971b. Shedding of discs from rod outer segments in the *Rhesus* monkey. *Journal of Ultrastructure Research* 34:190-203.
- YOUNG, R.W. 1976. Visual cells and the concept of renewal. *Investigative Ophthalmology and Visual Science* 15:700-725.
- YOUNG S.R. & MARTIN, G.R. 1984. Optics of retinal oil droplets: a model of light collection and polarization detection in the avian retina. *Vision Research* 24:129-137.
- ZHANG, Y. & LIU, J. 1994. The comparative studies on the shape and structure of the optic organ in seven species of rodents. *Acta Theriologica Sinica* 14:189-194.

