

เอกสารอ้างอิง

- เกศินี สรรวานิช. 2534. *ปิโตรเลียมไฮโดรคาร์บอนในน้ำ ตะกอนและหอยแมลงภู่ (Perna viridis) บริเวณแม่น้ำท่าจีนตอนล่าง*. วิทยานิพนธ์วิทยาศาสตร์มหาบัณฑิต จุฬาลงกรณ์มหาวิทยาลัย.
- เชาว์ ชีโนรักษ์ และพรณี ชีโนรักษ์. 2541. *ชีววิทยา 2*, 545 หน้า. กรุงเทพฯ: ศิลปาบรรณาการ.
- เชาว์ นกอยู่. 2537. *การปนเปื้อนของปิโตรเลียมไฮโดรคาร์บอนในน้ำ ตะกอนและหอยแมลงภู่ (Perna viridis) บริเวณแม่น้ำเจ้าพระยาตอนล่าง*. วิทยานิพนธ์วิทยาศาสตร์มหาบัณฑิต จุฬาลงกรณ์มหาวิทยาลัย.
- ปิยรัตน์ ลิ้มโอภาส. 2540. *การเจริญเติบโตและการแบ่งเซลล์ของ Amoeba proteus ในอุณหภูมิห้องและสภาวะควบคุมอุณหภูมิ*. รายงานวิชาโครงการทางชีววิทยา มหาวิทยาลัยสงขลานครินทร์.
- พิมพ์จิต ดามวรรณ. 2540. *เคมีอินทรีย์ 2: เอกสารคำสอน*, 209 หน้า. สงขลา: ภาควิชาเคมี คณะวิทยาศาสตร์ มหาวิทยาลัยสงขลานครินทร์.
- ลาวัลย์ ศรีพงศ์. 2543. *อัลตราไวโอเลตวิสิเบิลสเปกโตรสโกปี*, 230 หน้า. นครปฐม: คณะเภสัชศาสตร์ มหาวิทยาลัยศิลปากร.
- วรรณธนา ชนนไทย. 2540. *สารประกอบอะโรมาติก*, 300 หน้า. เชียงใหม่: ภาควิชาเคมี มหาวิทยาลัยเชียงใหม่.
- วารุณี ยงสกุลโรจน์. 2535. *เคมีอินทรีย์ 1*, 508 หน้า. กรุงเทพฯ: มหาวิทยาลัยรามคำแหง.
- ศุภณ์เครืองมีวิทยาศาสตร์. 2546. *เอกสารประกอบการอบรมหลักสูตรการใช้กล้องจุลทรรศน์คอนโฟคอลเลเซอร์ FV 300*, 33 หน้า. สงขลา: มหาวิทยาลัยสงขลานครินทร์.
- อภิญา วังศักดิ์การ. 2531. *สถิติสำหรับชีววิทยา*, 368 หน้า. สงขลา: ภาควิชาคณิตศาสตร์ มหาวิทยาลัยสงขลานครินทร์.
- APHA, AWWA and WEF. 1998. *Standard Methods for the Examination of Water and Wastewater* (20thed.), 1193 pp. Washington D.C.: American Public Health Association.
- Allison, A.C. and Young, M.R. 1964. Uptake of dyes and drugs by living cells in culture. *Life Sciences* 3: 1407-1414.

- Andresen, N. 1973. General morphology. In K.W. Jeon (ed). *The Biology of Amoeba*, pp. 99-124. New York: Academic Press.
- Au, D.W., Wu, R.T.S., Zhou, B.S. and Lam, P.K.S. 1999. Relationship between ultrastructural changes and EROD activities in liver of fish exposed to Benzo(a)pyrene. *Environmental Pollution* 104: 135-247.
- Bovee, E.C. and Jahn, T.C. 1973. Locomotion and behavior . In K.W. Jeon (ed). *The Biology of Amoeba*, pp 250-290. New York: Academic Press.
- Clar, E. 1964. *Polycyclic Aromatic Hydrocarbons* (VI), 487 pp. London and New York: Academic Press
- Domouhsidon, G.P. and Dimitriadis, V.R. 2001. Lysosomal and lipid alterations in the digestive gland of mussels, *Mytilus galloprociallis* (L.) as biomarkers of environmental stress. *Environmental Pollution* 115: 123-137.
- Etxeberria, M., Cajaraville, M.P. and Marigomez, I. 1995. Changes in digestive cell lysosomal structure in mussels as biomarkers of environmental stress in the Urdaibai Estuary (Biscay Coast, Iberian Peninsula). *Marine Pollution Bulletin* 30 (9): 599-603.
- Finney, D.J. 1971. *Probit Analysis* (3th ed.), 333 pp. Great Britain: Cambridge University Press.
- Fishelson, L., Bresler, V., Manelis, R., Zuk-Rion, Z., Dotan, A., Hornung, H. and Yawetz, A. 1999. Toxicological aspects associated with the ecology of *Donax trunculus* (Bivalvia, Mollusca) in a polluted environment. *The Science of the Total Environment* 226: 121-131.
- Geiger, J.G. and Buikema Jr., A.L. 1982. Hydrocarbons depress growth and reproduction of *Daphnia pulex* (Cladocera). *Canadian Journal of Fisheries and Aquatic Science* 39: 830-836.
- Grundy, M.M., Ratcliffe, N.A. and Moore, M.N. 1996. Immune inhibition in marine mussels by polycyclic aromatic hydrocarbons. *Marine Environmental Research* 42(1-4): 187-190.
- Holtzman, E. 1989. *Lysosomes*, 439 p. New York: Plenum Press.

- Jackson, T. J., Wade, T.L., McDonald, T.J., Wilkinson, D.L. and Brooks, J. M. 1994. Polynuclear aromatic hydrocarbon contaminants in oysters from the Gulf of Mexico (1986-1990). *Environmental Pollution* 83: 291-298.
- Kim, G.B., Maruya , K.A., Lee, R. F., Lee, J., Koh, C. and Tanabe, S. 1999. Distribution and sources of polycyclic aromatic hydrocarbons in sediments from Kyeonggi Bay, Korea. *Marine Pollution Bulletin* 38(1): 7-15.
- Kipopoulou, A.M., Manoli , E. and Samara , C. 1999. Bioconcentration of polycyclic aromatic hydrocarbons in vegetables grown in an industrial area. *Environmental Pollution* 106: 369-380.
- Lowe, D.M. and Pipe, R.K. 1994. Contaminant induced lysosomal membrane damage in marine mussel digestive cells: an in vitro study. *Aquatic Toxicology* 30: 357-365.
- Lowe, D.M., Soverchia, C. and Moore, M.N. 1995. Lysosomal membrane responses in the bloods and digestive cells of mussels experimentally exposed to fluoranthrene. *Aquatic Toxicology* 33: 105-112.
- Marigomez, I., Orbea, A., Olabarrieta, I., Exteberria, M. and Carajaville, M.P. 1996. Structural changes in the digestive lysosomal system of sentinel mussels as biomarkers of environmental stress in Mussel-Watch Programmes. *Comparative Biochemistry and Physiology* 113c(2): 291-297.
- Mayers, P. and Couillard, P. 1991. Direct membrane effects of morphin and endorphins on *Amoeba proteus*. *Life Sciences* 50: 137-145.
- Meharg, A.A., Wright, J., Dyke, H and Osborn, D. 1998. Polycyclic aromatic hydrocarbon (PAH) dispersion and deposition to vegetation and soil following a large scale chemical fire. *Environmental Pollution* 99: 29-36.
- Millemann, R.E., Birge, W., Black, J.A., Cushman, R.M., Daniels, K.L., Franco, P.J., Giddings, J.M., McCarthy, J.F., and Stewart, A.J. 1984. Comparative acute toxicity to aquatic organisms of components of coal-derived synthetic fuels. *Transactions of the American Fisheries Society* 131: 74-85.
- Moore, M.N. 1979. Cellular responses to polycyclic aromatic hydrocarbons and phenobarbital in *Mytilus edulis*. *Marine Environmental Research* 2(4): 255-263.

- Moore, M.N. 1982. Lysosome and environmental stress. *Marine Pollution Bulletin* 13(2): 42-43.
- Moore, M.N. 1990. Lysosomal cytochemistry in marine environmental monitoring. *Histochemical Journal* 22: 187-191.
- Moore, M.N., Lowe, D.M., and Fieth, P.E.M. 1978. Lysosomal responses to experimentally injected anthracene in the digestive cells of *Mytilus edulis*. *Marine Biology* 48: 297-302.
- Moore, M.N., Wedderburn, R.J., Lowe, D.M. and Depledge, M.H. 1996. Lysosomal reaction to xenobiotics in mussel hemocytes using BODIPV-FL-Verapamil. *Marine Environmental Research* 42(1-4): 99-105.
- Nigam, P., Banat, I.M. and Marchant, R. 1998. Degradation of naphthalene by bacterial cultures. *Environment International* 24 (5/6): 671-677.
- Norena-Barroso, E, Gold-Bouchot,G, Zapata-Perez and Sericano, J.L. 1999. Polynuclear aromatic hydrocarbons in American oysters *Crassostrea virginica* from the Terminos Lagoon, Campeche, Mexico. *Marine Pollution Bulletin* 38(8) : 637-645.
- Nott, J.A., Moore, M.N., Mavin, L.J. and Ryan, K.P. 1985. The fine structure of lysosomal membrane and endoplasmic reticulum in the digestive cells of *Mytilus edulis* exposed to anthracene and phenanthrene. *Marine Environmental Research* 17: 226-229.
- Ollinger, K. and Brunk, U.T. 1995. Cellular injury induced by oxidative stress is mediated through lysosomal damage. *Free Radical Biology and Medicine* 19(5): 565-574.
- Ord, M. J. 1970. *Amoeba proteus* as a cell model in toxicology. In W.N. Abridge (ed). Symposium on the Mechanisms of Toxicity, pp 175-186. New York: St Martins Press.
- Ord, M.J. and Al-Atia, G.R. 1979. The intracellular effects of cadmium: an experimental study using *Amoeba proteus* as a single - cellmodel. In M. Webb(ed). *The Chemistry, Biochemistry and Biology of Cadmium*, pp. 141-173. North-Holland: Biomedical Press.

- Ord, M.J. 1979. The effects of chemicals and radiations within the cell: an ultrastructural and micrurgical study using *Amoeba proteus* as a single cell model. *International Review of Cytology* 60: 229-281.
- Ott, F.S., Harris, R.P. and O' Hara, S.C.M. 1978. Acute and sublethal toxicity of naphthalene and three methylated derivatives to the estuarine copepod, *Eurytemora affinis*. *Marine Environmental Research* 1: 49-58.
- Pacheco, M and Santos, M.A. 2002. Naphthalene and β -naphthoflavone effects on *Anguilla anguilla* L. hepatic metabolism and erythrocytic nuclear abnormalities. *Environment International* 28(4): 285-593.
- Page, D.S., Boehm, P.D., Bance, A.E., Burns, W.A. and Mankiewicz, P.J. 1999. Pyrogenic polycyclic aromatic hydrocarbons in sediments record past human activity: a case study in Prince William Sound, Alaska. *Marine Pollution Bulletin* 38 (4): 247-260.
- Pechenik, J.A. 2000. *Biology of Invertebrates* (4th ed), 578 pp. New York: McGraw-Hill Companies, Inc.
- Pollino, C.A. and Holdway, D.A. 2002. Toxicity testing of crude oil and related compounds using early life stages of the crimson-spotted rainbowfish (*Melanotaenia fluviatilis*). *Ecotoxicology and Environmental Safety* 52: 180-189.
- Reish, D. and Oshida, P. 1987. *Manual of Methods in Aquatic Environment Research: Part 10-Short-Term Static Bioassay*, 62p. Rome: FAO.
- Rossi, S.S and Anderson, J.W. 1977. Accumulation and release of fuel-oil-derived diaromatic hydrocarbons by the polychaete *Neanthes arenaceodentata*. *Marine Biology* 39: 51-55.
- Schirmer, K., Dixon, D.G., Greenberg, B.M. and Bols, N.C. 1998. Ability of 16 priority PAHs to be directly cytotoxic to a cell line from the rainbow trout gill. *Toxicology* 127: 129-141.
- Shore, R.F., Wright, J., Horne, J.A., and Sparks, T.H. 1999. Polycyclic aromatic hydrocarbon (PAH) residues in the eggs of coastal-nesting birds from Britain. *Marine Pollution Bulletin* 38(6): 509-513.

- Sikkema, J., deBont, J.A. and Poolman, B. 1994. Injections of cyclic hydrocarbons with biological membranes. *The Journal of Biological Chemistry* 269(11): 8022-8028.
- Snyman, R.G., Reinecke, S.A. and Reinecke, A.J. 2000. Hemocytic lysosome response in the snail *Helic aspersa* after exposure to the fungicide copper oxychloride. *Archives of Environmental Contamination Toxicology* 39: 480-485.
- Stohs, S., Ohia, S. and Bagchi, D. 2002. Naphthalene toxicity and antioxidant nutrients. *Toxicology* 180(1): 97-105.
- Tansakul, R. 1977. *The Golgi apparatus and membrane system in Amoeba proteus*. Ph.D. Thesis, Southampton University.
- Thomas, P and Budiantara, L. 1995. Reproductive life history stages sensitive to oil and naphthalene in Atlantic Croaker. *Marine Environmental Research* 39: 147-150.
- van Hattum, B., Pons, M.J.C. and Montanes, J.F.C. 1998. Polycyclic aromatic hydrocarbons in freshwater isopods and field-partitioning between abiotic phases. *Archives of Environmental Contamination and Toxicology* 35: 257-267.
- van Winkle, L.S., Johnson, Z.A., Nishio, S.J., Brown, C.D. and Plopper, C.G. 1999. Early events in naphthalene-induced acute clara cell toxicity. *American Journal of Respiratory Cell and Molecular Biology* 21(1): 44-53.
- Vipulanandan, C. and Ren, X. 2000. Enhanced solubility and biodegradation of naphthalene with biosurfactant. *Journal of Environmental engineering* 126(7): 629-634.
- West, J.A.A., Pakeham, G., Morin, D., Fleschner, C.A., Buckpitt, A.R. and Plopper, C.G. 2001. Inhaled naphthalene causes dose dependent clara cell cytotoxicity in mice but not in rats. *Toxicology and Applied Pharmacology* 173: 114-119.
- Zdolsek, J.M., Olsson, G.M. and Brunk, U.T. 1990. Photooxidative damage to lysosomes of cultured macrophages by acridine orange. *Photochemistry and Photobiology* 51(1): 67-76.

www sites :

USEPA. 1980. Ambient water quality criteria for naphthalene, 25 p.

www.nature.nps.gov/hardssafety/toxic/naphthal/.pdf.

www.is.kochi-u.ac.jp/Bio/instruments/clsm.html

www.plbio.ku/ak/~ais/confocal.html