



References

- Ackrell, B. A. C., E. B. Kearney, and T. P. Singer, "Mammalian Succinate Dehydrogenase" *Method in Enzymol.*, 53, 466-481, 1978.
- Avise, J. C., E. Bermingham, L. G. Kessler, and N. C. Saunders, "Characterization of Mitochondria DNA Variability in A Hybrid Swarm between Subspecies of Bluegill Sunfish (*Lepomis macrochirus*)", *Evolution.*, 38(5), 931-941, 1984.
- Bermingham, E., T. Lamb, and J. C. Avise, "Size Polymorphism and Heteroplasmy in The Mitochondrial DNA of Lower Vertebrates", *J. of Heredity.*, 77, 249-252, 1986.
- Bingham, C. G., and P. Nagley, " A Petite Mitochondrial DNA Segment arising in Exceptionally High Frequency in Mit-Mutant of *Saccharomyces cerevisiae*", *Biochem. Biophys. Acta.*, 740, 88-98, 1983.
- Birnboim, H. C., and J. Doly, "A Rapid Alkaline Extraction Procedure for Screening Recombinant Plasmid DNA", *Nucl. Acid. Res.*, 7, 1513-1523, 1979.
- Bogenhagen, D., and D. A. Clayton, "The Number of Mitochondria Deoxyribonucleic Acid Genomes in Mouse L and Human Hela Cells", *J. Biol. Chem.*, 249, 7991-7995, 1974.
- Brown, W. M., "Mechanisms of Evolution in Animal Mitochondrial DNA", *Ann. N.Y. Acad. Sci.*, 361, 62-88, 1981.
- Brown, W. M., M. G. JR., and A. C. Wilson, "Rapid Evolution of Animal Mitochondrial DNA", *Proc. Natl. Acad. Sci. USA.*, 76(4), 1967-1971, 1979.

- Choudhury, P. C., "Complete Larval Development of The Palaemonid Shrimp Macrobrachium carcinus (L.) Reared in The Laboratory (Decapoda, Palaemonidae)", Crustaceana, 20, 51-69, 1971.
- Clayton, D. A., J. N. Doda, and E. C. Friedberg, "The Absence of Pyrimidine Dimer Repair Mechanism in Mammalian Mitochondria", Proc. Natl. Acad. Sci. USA., 71 (7), 2777-2781, 1974.
- Darley-Usmar, V. M., D. Rickwood, and M. T. Wilson, "Mitochondria: A Practical Approach", IRL Press, Oxford, Washington, 321, 1987.
- Densmore, L. D., J. W. Wright, and W. M. Brown, "Length Variation and Heteroplasmy are Frequent in Mitochondrial and from Parthenogenetic and Bisexual Lizards (Genus Cnemidophorus)", Genetic, 110, 689-707, 1985.
- Desalle, R., A. Templeton, I. Mori, S. Pletscher, and J. S. Johnston, "Temporal and Spatial Heterogeneity of mtDNA Polymorphism in Natural Populations of Drosophila mercatorum", Genetic, 116, 215-223, 1987.
- Dobkin, S., "A Contribution to Knowledge of The Larval Development of Macrobrachium acanthurus (Wiegmann, 1836) (Decapod, Palaemonidae)", Crustaceana, 21 (3), 294-297, 1971.
- Dobkin, S., W. P. Assinaro, and J. Van Montfrans "Culture of Macrobrachium acanthurus and M. carcinus with Note on The Selective Breeding and Hybridization of These Shrimps", Proc. World Maricult. Soc., 5, 51-62, 1974.
- Ferris, S. D., R. D. Sage, and A. C. Wilson, "Evidence from mtDNA Sequences that Common Laboratory Strains of Inbred Mices are Descended from A Single Female", Nature, 295, 163-165, 1982.

- Fuller, B., and L. J. Lester, "Correlations of Allozymic Variation with Habitat Parameters Using the Grass Shrimp, Palaemonetes pugio", Evolution, 34 (6), 1099-1104, 1980.
- Goswami, U., S. G. Datal, and S.C. Goswami, "Preliminary Studies on Prawn, Penaeus merguensis, for Selection of Broodstock in Genetic Improvement Programs", Aquaculture, 53, 41-48, 1986.
- Grunstein, M., and D. S. Hogness, "Colony Hybridization: A Method for The Isolation of Clones DNA that Contain A Specific Gene", Proc. Natl. Acad. Sci. USA., 72, 39-61, 1975.
- Hanahan, D., "Studies on Transformation of Escherichia coli With Plasmids", J. Mol. Biol., 166, 557-580, 1983.
- Harrison, R. G., D. M. Rand, and W. C. Wheeler, "Mitochondrial DNA Size Variation within Individual Crickets", Science, 228, 1446-1448, 1985.
- Hauswirth, W. W., and P. J. Laipi, "Mitochondrial DNA Polymorphism in A Maternal Lineage of Holstein Cows", Proc. Natl. Acad. Sci. USA., 79, 4686-4690, 1982.
- Hayashi, J. I., H. Yonekawa, O. Gotoh, Y. Tagashira, K. Moriwaki, and T. H. Yosida, "Evolutionary Aspects of Variant Types of Rat Mitochondrial DNAs", Biochem. Biophys. Acta., 564, 202-211, 1979.
- Hedgecock, D., "Biochemical Genetic Markers for Broodstock Identification in Aquaculture", Proc. World. Aquacult. Soc., 8, 523-531, 1977.
- Hedgecock, D., "Population genetic bases for improving cultured crustaceas", Proc. World-Symp. on Selection, Hybridization and Genetic Engineering in Aquaculture, Bordeaux, 27-30 May 1986, Vol 1, Berlin, 210-225, 1987.
- Hedgecock, D., R. A. Shleser, and K. Nelson, "Appliations of Biochemical Genetics to Aquaculture", J. Fish. Res. Board

- Can., 33, 1108-1119, 1976.
- Hedgecock, D., D. J. Stelmach, K. Nelson, M. E. Linderfelser, and S. R. Malecha, "Genetic Divergence and Biogeography of Natural Populations of Macrobrachium rosenbergii", Proc. World Maricul. Soc., 10, 873-879, 1979.
- Holthuis, L. B., "FAO Species Catalogue, Vol 1 Shrimps and Prawns of The World, An Annotated Catalogue of Species of Interest of Fisheries Synopsis", No 125, Vol 1, 271, 1980.
- Hudson, R. R., "Estimating Genetic Variability with Restriction Endonucleases", Genetic, 100, 711-719, 1982.
- Koshy, M., "Studies of The Sexual Dimorphism in The Freshwater Prawn Macrobrachium dayanum (Henderson 1893), (Decapoda, Caridae)", Crustaceana, 22, 72-78, 1971.
- Lamb, T., and J. C. Avise, "Directional Introgression of Mitochondria DNA in a Hybrid Population of Tree Frogs: The influence of Mating Behavior", Proc. Natl. Acad. Sci. USA., 83, 2526-2530, 1986.
- Lansman, R. A., and D. A. Clayton, "Selective Nicking of Mammalian Mitochondrial DNA in vivo: Photosensitization by Incorporation of 5-Bromodeoxyuridine", J. Mol. Biol., 99, 761-776, 1975.
- Lester, L. J., "Population Genetics of Penaeid Shrimp from The Gulf of Mexico", J. Heridity, 70, 175-180, 1979.
- Lester, L. J., "Developing A Selective Breeding Program for Penaeid Shrimp Mariculture", Aquaculture, 33, 41-50, 1983.
- Linderfelser, M. E., "Subspecific Variation and Evolution in The Freshwater Prawn Macrobrachium rosenbergii (de Man) (Decapod: Palaemonidae) as Reflected in Its Morphometric and Allozymic Variation", Ph.D. Thesis, Hawaii

- University, 232, 1980.
- Malecha, S. R., "Genetic and Selective Breeding", Shrimp and Prawn Farming in The Western Hemisphere, Dowden, Hutchinson, and Ross, Stroudsburg, PA, Chapter xiv, 1977.
- Malecha, S. R., "Selective Breeding and Intraspecific Hybridization of Crustaceans", Proc. World-Symp. on Selection, Hybridization and Genetic Engineering in Aquaculture, Bordeaux, 27-30 May 1986, Vol 1, Berlin, 324-336, 1987.
- Malecha, S. R., D. Sarver, and D. Onizuka, "Approaches to The Study of Domestication in the Freshwater Prawn, Macrobrachium rosenbergii, with Special Emphasis on The Anuenue and Malaysian Stocks", Proc. World. Maricult. Soc., 11, 500-528, 1980.
- Maniatis, T., E. F. Fritsch, and J. Sambrook, "Molecular Cloning, A Laboratory Manual", Cold Spring Harbor Laboratory, USA, 544, 1982.
- Mckee, E. E., and R. O. Poyton, "Mitochondrial Gene Expression in Saccharomyces cerevisiae", Biol. Chem., 259 (14), 9320-9331, 1984.
- Menasveta, P., "Effects of Interracial Hybridization on Growth, Mortality and Yield of Rainbow Trout (Salmo gairdneri Richardson)", Ph.D. Thesis, Univ of Washington, Seattle, 1961.
- Menasveta, P., "Present Status and Potential Use of Biotechnology for Increasing The Coastal Aquaculture Production", Technical Report No 5/1986, Chulalongkorn University, 47, 1986.
- Moav, R., "A Proposal for the Continuous Production of F1 Hybrids between the European and Chinese Races of the Common Carp in Traditional Fish Forms of South East Asia", A Paper

Presented in the FAO Technical Conference on Aquaculture, Kyoto, Japan, 26 May-2 June 1976.

- Mulley, J. C., and B. D. H. Latter, "Genetic Variation and Evolutionary Relationships Within A Group of Thirteen Species of Penaeid Prawns", Evolution, 34(5), 904-916, 1980.
- Mulley, J. C., and B. D. H. Latter, "Geographic Differentiation of Eastern Australian Penaeid Prawn Populations", Aus. J. Mar. Freshwater Res., 32, 889-895, 1981.
- Mulley, J. C., and B. D. H. Latter, "Geographic Differentiation of Tropical Australian Penaeid Prawn Populations", Aus. J. Mar. Freshwater Res., 32, 897-906, 1981.
- Nelson, K., and D. Hedgecock, "Enzyme Polymorphism and Adaptive Strategy in The Decapod Crustacea", Am. Nat., 116 (2), 238-279, 1980.
- Olivo, P. D., M. J. Van de Walle, P. J. Laipis, and W. W. Hauswirth, "Nucleotide Sequence Evidence for Rapid Genotypic Shift in the Bovine Mitochondrial DNA D-Loop", Nature, 306, 400-402, 1983.
- Palva, T. K., and E. T. Palva, "Rapid Isolation of Animal Mitochondria DNA by Alkaline Extraction", FEBS Letters, 192 (2), 267-270, 1985.
- Potter, S. S., J. E. Newbold, C. A. Hutchinson, and M. H. Edgell, "Specific Cleavage Analysis of Mammalian Mitochondrial DNA", Proc. Natl. Acad. Sci. USA., 72, 4496-4500, 1975.
- Proctor, R. R., K. T. Marvin, L. M. Lansford, and R. C. Benton, "Phosphoglucomutase Polymorphism in Brown Shrimp Penaeus azteus", J. Fish. Res. Board Can., 31, 1405-1407, 1974.
- Rabinowitz, M., and H. Swift, "Mitochondrial Nucleic Acid and Their Relation to the Biogenesis of Mitochondria", Physiol. Rev., 50, 376-427, 1970.

- Rigby, P. W. J., M. Dieckmann, C. Rhodes, and P. Berg, "Labelling DNA to High Specific Activity in vitro by Nick Translation with DNA Polymerase 1", J. Mol. Biol., 113, 237-251, 1977.
- Rudloff, R., W. Bauer, and J. Vinograd, "A Dye-Buoyant-Density Method for the Detection and Isolation of Closed Circular Duplex DNA: The Closed Circular DNA in Hela Cells", Proc. Natl. Acad. Sci. USA., 57, 1514-1521, 1967.
- Sagar, R., "Cytoplasmid Genes and Organelles", Academic Press, New York and London, 405, 1972.
- Sarver, D., S. R. Malecha, and D. Onizuka, "Development and Characterization of Genetic Stocks and Their Hybrids in Macrobrachium rosenbergii: Physiological Responses and Larval Development Rate", Proc. World. Maricul. Soc., 10, 880-892, 1979.
- Sarver, D., S. R. Malecha, and D. Onizuka, "Possible Sources of Variability in Stocking Mortality in Post-Larval Macrobrachium rosenbergii", Giant Prawn Farming Developments in Aquaculture and Fisheries Science, 10, 99-113, 1981.
- Sbordoni, V., G. La Rosa, M. Mattoccia, M. C. Sbordoni, and E. De Matthaeis "Genetic Change in Seven Generations of Hatchery stocks of The Kuruma Prawn, Penaeus japonicus (Crustacea, Decapoda)", Proc. World-Symp. on Selective, Hybridization and Genetic Engineering in Aquaculture, Bordeaux, 7-30 May 1986, Vol 1, Berlin, 1987.
- Shah, D. M., and C. H. Langley, "Inter and Intra Specific Variation in Restriction Maps of Drosophila Mitochondria DNA", Nature, 281, 696-699, 1979.
- Sheeler, P., and D. E. Bianchi, "Cell and Molecular Biology" 3rd. ed., John Wiley and sons, Inc, New york, 704, 1987.

- Solignac, M., M. Monnerot, and J. C. Mounolou, "Mitochondrial DNA Heteroplasmy in Drosophila mauritiana", Proc. Natl. Acad. Sci. USA., 80, 6942-6946, 1983.
- Skibinski, D. O. F., and C. A. Edwards, "Mitochondrial DNA Variation in Marine Mussels (Mytilus)", Proc. World-Symp. on Selection, Hybridization and Genetic Engineering in Aquaculture, Bordeaux, 27-30 May 1986, Vol 1, Berlin, 210-225, 1986.
- Southern, E., "Detection of Specific Sequences among DNA Fragment Separated by Gel Electrophoresis", J. Mol. Biol., 98, 503-505, 1975.
- Tapper, D. P., R. A. Van Etten, and D. A. Clayton, "Isolation of Mammalian Mitochondria DNA and RNA and Cloning of the Mitochondrial Genome", Methods in Enzymology, 97, 426-434, 1983.
- Therakulkiat, C., "Study on Genetic Variation of Macrobrachium rosenbergii (de Man) by Starch Gel Electrophoresis", Senior Project, Chulalongkorn Unjversity, 1981.
- Thompson, H. C. Jr., and R. F. Contin, "Electrophoretic Study of Atlantic Bluefin Tuna (Thunnus thynnus) from The Eastern and Western North Atlantic Ocean", Bulletin of Marine Science, 30(3), 727-731, 1980.
- Tracey, M. L., K. Nelson, D. Hedgecock, R. A. Shleser, and M. L. Pressick, "Biochemical Genetics of Lobsters: Genetic Variation and the Structure of American Lobster (Homarus americanus) Populations", J. Fish. Res. Board Can., 32, 2091-2101, 1975.
- Trudeau, T. N., "Electrophoretic Protein Variation in Macrobrachium ohione and Its Implications in Genetic Studies", Proc. World. Maricult. Soc., 9, 139-145, 1978.
- Whittaker, P. A., and S. M. Danks, "Mitochondria: Structure,

Function and Assembly", Longman, London, 145, 1978.

Williamson, D. I., "Larval Development in A Marine and A Freshwater Species of Macrobrachium (Decapod, Palaemonidae)", Crustaceana, 23, 282-298, 1972.



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย



Vita

Mr. Panja Yaitavorn was born in Bangkok on February 26, 1963. He had finished Mathayomsuksa 5 at Bordindeja School in 1980. He graduated with the degree of Bachelor of Science from Department of Fisheries, Kasetsart University, in 1984. After graduation, He came to study Marine Biology in the Department of Marine Science, Chulalongkorn University.



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย