

เอกสารอ้างอิง

ภาษาไทย

- กระทรวงสาธารณสุข, "สถิติแสดงความชุกชุมของโรคหนอนพยาธิลำไส้ของประเทศไทย พ.ศ. 2523-2524." เอกสารกองควบคุมโรคติดต่อ กระทรวงสาธารณสุข, กรุงเทพมหานคร 2525.
- ตระหนัก หะรินสุต, และ คณีย์ มუნนาค, "PRAZIQUANTEL," คลินิก, 2(11), 48-50, 2529.
- วันชัย ผาดีหัตถกร, สัณฑ์ศิริ ศรมณี, ไพศาล อัมพันธ์ และ พงศ์สิทธิ์ สิตบุตร, "การศึกษาทางระบาดวิทยาของโรคพยาธิใบไม้ตับในโครงการลุ่มน้ำพอง," วารสารสมาคมปรสิต ๗, 6(2), 90-104, 2526.
- วิฑูรย์ ไวยนันท์, "โรคพยาธิใบไม้ตับในประเทศไทย : บทความพื้นวิชา," วารสารสมาคมปรสิต ๗, 4(2), 88-106, 2524.
- ศรีวัฒนา ชิตช่วง, ปรสิตวิทยา, หน้า 172-179, ศักดิ์โสภากาการพิมพ์, กรุงเทพมหานคร, 2525.
- สุภาภรณ์ รัตนานุรักษ์พงศ์, "การศึกษาเอนไซม์กลูโคสฟอสเฟต ไอโซเมอเรส ของ Trichomonas vaginalis จากผู้ป่วยในกรุงเทพมหานคร โดยวิธีอิเล็กโตรโฟรีซิส, วิทยานิพนธ์ปริญญา มหาบัณฑิต, ภาควิชาชีววิทยา บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย, 2522.
- เสาวณิต ชาญเขียว, "การศึกษาเอนไซม์กลูตามัท ดีไฮโดรจีเนส แลคเตท ดีไฮโดรจีเนส มาเลท ดีไฮโดรจีเนส และมาลิก เอนไซม์ของ Trichomonas vaginalis," วิทยานิพนธ์ปริญญา มหาบัณฑิต, ภาควิชาชีววิทยา บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย, 2524.

ภาษาอังกฤษ

- Agatsuma, T., and N. Suzuki," Electrophoretic Studies on Enzymes in the Japanese Common Liver Fluke, Fasciola sp. I. Enzyme Variations in the Natural Population," Japan. J. Med. Sci. Biol., 33, 249-254, 1980.

- Agatsuma, T., "Electrophoretic Studies on Enzymes in Japanese Common Liver Fluke, *Fasciola* sp. II On Further Three Enzymes, GPI, GDH and ME, in the Liver Fluke," Japan J. Parasitol., 30(2), 157-159, 1981.
- _____ T., "Electrophoretic Demonstration of Polymorphism of Glucosephosphate Isomerase in Natural Populations of Paragonimus miyazakii," J. Parasitol., 67(3), 452-454, 1981.
- _____ T., and N. Suzuki, "Isozyme patterns of Schistosoma japonicum and S.mansoni," Journal of Helminthology., 57, 27-30, 1983.
- AL-Barwari, S.E., R.F. Abdel-Fattah, "The role of carbohydrates in the Biology of the liver fluke, Fasciola gigantica : glycogen content, its utilization and resynthesis by starved flukes," Helminthological Abstracts-Series A, 45(10), 992, 1976.
- Aljeboori, T.I., and D.A. Evans, "Leishmania spp. in Iraq. Electrophoretic isoenzyme patterns. 1. Visceral Leishmaniasis," Transactions of the Royal Society of Tropical Medicine and Hygiene, 74(2), 169-177, 1980.
- Andrade, V., C. Brodskyn, S.G. Andrade, "Correlation between isoenzyme patterns and biological behaviour of different strains of Trypanosoma cruzi," Transaction of the Royal Society of Tropical Medicine and Hygiene, 77(6), 796-799, 1983.
- Beach, R., and Y.Mebrahtu, "Rapid enzymological identification of leishmanial isolates in Kenya," Transactions of the Royal Society of Tropical Medicine and Hygiene, 79 (4), 445-447, 1985.

- Brewer, G.J., An Introduction to Isoenzymes Technique, pp. 45-47.
Academic Press, New York, 1970.
- Brodie, H.D., and R.E. Ryckman, "Molecular Taxonomy of Triatominae,"
J. Med. Entom., 4, 497-517, 1967.
- Cappelletti, R., M.B. Rosso, and V.P. Chiarugi, "A New Electrophoretic
Method for the Complete Separation of all Known Animal Glyco-
saminoglycans in a Monodimensional Run," Analytical Biochemistry,
99, 311-315, 1979.
- Chainuvati, T., A. Paosawadhi, M. Sripranoth, S. Manastith, and
V. Viranuvatti, "Carcinoma of the Cystic duct Associated with
Opisthorchiasis," Southeast Asian J. Trop. Med. Pub. Hlth., 7(3), 482-486, 1976
- Changbumrung, S., P. Migasena, F.P. Schelp, V. Supawan, T. Buavatana,
and S. Migasena, " α_1 -Antitrypsin, α_1 -antichymotrypsin and
 α_2 -macroglobulin in human liver fluke (opisthorchiasis),"
Helminthological Abstracts-Series A, 8(2), 115, 1982.
- Chao, E., and P.M. Grimley, "Simple Modification of the Cellulose
acetate Method for Identifying Adult Hemoglobin (Hemoglobin A)
in Dried Specimens of Newborn Blood," American Society of
Clinical Pathologists 71(4), 441-443, 1978.
- Coles, G.C., "End products of metabolism of the liver fluke, *Fasciola
hepatica*," Helminthological Abstracts-Series A, 48(4), 173,
1979.
- Evans, H., C.H. Bourgeois, D.S. Comer, and N. Keschamras, "Biliary
tract change in Opisthorchiasis," American Journal of Tropical
Medicine and Hygiene, 20, 667-671, 1971.

- Flavell, D.J., and K. Pattanapanyasat, and S.U. Flavell, "Opisthorchis viverrini : Partial success in adoptively transferring immunity with spleen cells and serum in the hamster," Journal of Helminthology, 54, 191-197, 1980.
- Fletcher, M., and P.T. LoVerde, "Electrophoretic Differences Between Schistosoma mansoni and S. rodhaini," J.Parasitol., 67(4), 593-595, 1981.
- Flockhart, H.A., S.E. Harrison, A.R. Dobinson, and E.R. James, "Enzyme polymorphism in Trichinella," Transactions of the Royal Society of Tropical Medicine and Hygiene, 76(4), 541-545, 1982.
- _____, H.A., R.E. Cibulskis, M. Karam, and E.J. Albiez, "Onchocerca volvulus : enzyme polymorphism in relation to the differentiation of forest and savannah strains of this parasite," Transaction of the Royal Society of Tropical Medicine and Hygiene, 80, 285-292, 1986.
- Foster, R.L., Enzyme Physiology, pp. 263-264, Croom Helm Ltd, London, 1980.
- Gaal, o, G.A. Medgyesi, and L. Verczkey, Electrophoresis in the Separation of Biological Macromolecules, pp. 261-267, A Wiley-Interscience Publication, John Wiley & Sons, Hungary, 1980.
- Gauldie, R.W., and P.J. Smith, "The Adaptation of Cellulase Acetate Electrophoresis to Fish Enzymes," Comp. Biochem. Physiol., 61 B, 421-425, 1978.
- Harinasuta, C., and S. Vajrasthira, "Opisthorchiasis in Thailand," Ann. Trop. Med. Parasit., 54, 100-105, 1960.

- Harinasuta, C., "Opisthorchiasis in Thailand : A Review" Proceedings of the Fourth Southeast Asian Seminar on Parasitology and Tropical Medicine, Shistosomiasis and Other Snail-Transmitted Helminthiasis. Manila, Philippine, 253-263, 1969.
- Harris, H., and D.A. Hopkinson, Handbook of Enzyme Electrophoresis in Human Genetics, North-Holland Publishing Co., Amsterdam, Netherland, 1976.
- Hoffman, R., P.F. Robinson, and H. Magalhaes, The Golden Hamster, p 3, The Iowa State University press, Ames, Iowa USA, 1968.
- Janechaiwat, J., S. Tharavanij, S. Vajrasthira, and W. Chaicumpa, "The Immunological Diagnosis of Human Opisthorchiasis and the Humoral Immune Response to Opisthorchis Infection in the Hamster," J.Med.Ass. Thailand, 63(8), 439-447, 1980.
- Kidder, G.M., "Glucose-6-Phosphate Dehydrogenase Isozymes in Fish- A Comparative Study," The Journal of Experimental Zoology, 226, 385-390, 1983.
- Koompirochana, C., D. Sonakul, K. Chinda, and T. Stitnimankarn, "Opisthorchiasis : A Clinicopathological Study of 154 Autopsy Cases," Southeast Asian J. Trop. Med. Pub. Hlth., 9(1), 60-64, 1978.
- Kreutzer, R.D., and H.A. Christensen, "Characterization of Leishmania Spp. by Isozyme Electrophoresis," Am. J. Trop. Med. Hyg., 29(2), 199-208, 1980.
- Kruatrachue, M., Y.P. Chitramvong, E.S. Upatham, S. Vichasri, and V. Viyanant, "Effects of Physico. Chemical Factors on the Infection of Hamsters by Metacercariae of Opisthorchis viverrini," Southeast Asian J. Trop. Med. Pub. Hlth., 13(4), 614-617, 1982.

- Leon, P., R. Hermoso, and M. Monteoliva, "Isoenzymes of Lactate dehydrogenase (EC 1.1.1.27) in Dicrocoelium dendriticum and Fasciola hepatica (Trematoda)," Comp. Biochem. Physiol., 83B(1), 159-161, 1986.
- Lesile, J.F., G.D. Cain, G.K. Meffe, and, R.C. Vrijenhock, "Enzyme Polymorphism in Ascaris sumu (Nematoda)," J.Parasitol., 68(4), 576-587, 1982.
- Mahon, R.J., and C.J. Schiff, "Electrophoresis to Distinguish Schistosoma haematobium and S. mattheei Cercariae Emerging from Bulinus Snails," J. Parasitol., 64(2), 372-373, 1978.
- Matthews, P.M., D. foxall, L.F. Shen, and T.E. Mansour, "Nuclear magnetic resonance studies of carbohydrate metabolism and substrate cycling in Fasciola hepatica," Helminthological Abstracts-Series A, 55(6), 236, 1986.
- Mebrahtu, Y., F.B. Raymond, C.P.M. Khamala, and L.D. Hendricks, "Characterization of Simulium (Edwardsellum) damnosum S:l. populations from six river systems in Kenya by cellulose acetate electrophoresis," Transactions of the Royal Society of Tropical Medicine and Hygienc, 80, 914-922, 1986.
- Migasena, P., "Liver Flukes-Relationship to Dietary Habits and Development Programs in Thailand," Adverse Effects of Foods (Jelliffe, E.F.P. and D.B. Jelliffe, eds.) pp. 307-312, Plenum Publishing Corporation, 1982.
- Migasena, S., S. Egoramaiphol, R.Tungtrongchitr, and P.Migasena, "Study on Serum Bile Acids in Opisthorchiasis in Thailand," Journal of the Medical Association of Thailand, 66 (8), 464-468, 1983.

- Mydyski, L.J., and T.A. Dick, "The Use of Enzyme Polymorphism to Identify Genetic Differences in the genus *Trichinella*," J. Parasitol., 71(5), 671-677, 1985.
- Oothuman, P., D.M. Moss, and S.E. Maddison, "Comparative Isoenzyme Analysis of Various Stages of *Brugia malayi* and *Brugia pahangi*," J. Parasitol., 69(5), 994-996, 1983.
- Punyagubta, S., and P. Bodhidatta, "Biliary system in Opisthorchiasis report of 3 cases," วิทยาศาสตร์เสนารักษ์, 12, 265-270, 1959.
- Ruppel, A., S. Boenpucknavig, and E. Hempelmann, "Unusual protein pattern of *Opisthorchis viverrini*," Journal of Helminthology, 59, 347-349, 1985.
- Reeves, R.E., and Bischoff, J.M., "Classification of Entamoeba Species by Means of Electrophoresis of Amoebal Enzyme," J. Parasitol., 54, 549-600, 1968.
- Sadun, E.H., "Studies on *Opisthorchis viverrini* in Thailand," Am. J. Hyg., 62, 81-115, 1955.
- Schelp, F.P., P. Migsena, S. Saovakontha, P. Pongpaew, and C. Harinasuta, "Polyacrylamide Gel Electrophoresis of Human Serum in Subclinical Opisthorchiasis," Southeast Asian J. Trop. Med. Pub. Hlth., 5(3), 435-438, 1974.
- Senutaite, Ya. Yu., "The peculiarities of anaerobic carbohydrate decomposition in Plukes in in vitro experiments," Helminthological Abstracts. Series A, 47(9), 395, 1978.

- Sirisinha, S., S.Tuti, A. Tawatsin, and W. Rattanasiriwilai, "Lack of evidence for protective immunity in hamsters infected with Opisthorchis viverrini," Proc. 25 th Scameo-Tropmed Seminar, pp. 91-100, (J. W. Mak, H.S. Yong), pp 91-100, Institute for Medical Research, Kuala Lumpur, 1983.
- _____, S., S. Tuti, A. Tawatsin, S. Vichasri, E.S. Upatham, and D. Bunnag, "Attempts to induce protective immunity in hamsters against infection by a liver Pluke of man (Opisthorchis viverrini)," Parasitology, 86, 127-136, 1983.
- _____, S., S. Tuti, S. Vichasri, and A. Tawatsin, "Humoral Immune responses in hamsters infected with Opisthorchis viverrini," Southeast Asian J. Trop. Med. Pub. Hlth. 14(21), 243-251, 1983.
- Smyth, J.D., The Physiology of Trematodes, pp 4-7, 24-29, 35-46, Oliver and Boyd. Ltd., Edinburgh, Great Britain, 1966.
- Sonakul, D., C. Koompirochana, K. Chinda, and T. Stitnimakarn, "Hepatic Carcinoma with Opisthorchiasis," Southeast Asian J. Trop. Med. Pub. Hlth., 9(2), 215-219, 1978.
- Tesana, S., S. Kaewkes, T. Srisawangwonk, and , S. Phinlaor, "Distribution and density of Opisthorchis viverrini metacercariae in cyprinoid fish from Khon Kaen province," J. Parasit. Trop. Med. Ass. Thailand, 8(2), 36-39, 1985.
- Thaithong, S., Beale, G.H., Fenton, B., McBride, J., Rosario, V., Walker, A., and Walliker, D., "Clonal diversity in a single isolate of the malaria parasite Plasmodium falciparum," Transaction of the Royal Society of Tropical Medicine and Hygiene, 78, 242-245, 1987.

- Thaithong, S., "Isozyme Analysis," Application of Genetic Engineering to Research on Tropical Disease Pathogens with Special Reference to Plasmodia. A Laboratory Manual of Selected Techniques, S. Panyim, P. Wilairat, and Y. Yuthavong, pp. 439-449, Mahidol University, Bangkok, Thailand, 1985.
- Tuti, S., S. Vichasri, and S. Sirisinha, "Effect of Culture Media on Production of Excretory-Secretory Products and Egg Output of Opisthorchis viverrini in Vitro," J. Parasitol., 68 (5), 892-897, 1982.
- Thamavit, W., N. Bhamarapravati, S. Sahaphong, S. Vajarasthira, and S. Angsubhakorn, "Effects of dimethylnitrosamine on induction of cholangiocarcinoma in Opisthorchis viverrini infected syrian golden hamsters," Cancer Research, 38, 4634-4639, 1978.
- Umezurike, G.M., A.O.Anya, "Carbohydrate energy metabolism in Fasciola gigantica (Trematoda)," Helminthological Abstracts Series A, 50 (21), 81, 1981.
- Vajrasthira, S., C. Harinasuta, and Y. Komiya, "The Morphology of the Metacercaria of Opisthorchis viverrini, with Special Reference to the Excretory System," Annals of Tropical Medicine & Parasitology, 55 (4), 413-418, 1961.
- Vivatanasesth, P., S. Sornmani, F.P. Schelp, P. Impand, P. Sitabutra, S. Preuksaraj, and C. Harinasuta, "Mass Treatment of Opisthorchiasis in Northeast Thailand," Southeast Asian J. Trop. Med. Pub. HLth., 13 (4), 609-613, 1982.
- Wykoff, D.E., C. Harinasuta, P. Juttijuda, and M.M. Win, "Opisthorchis viverrini in Thailand. The Life Cycle and Comparison with O.felineus," The Journal of Parasitology, 5 (2), 207-214, 1965.

Yong, H.S., and J. W. Mak, "Differentiation of subperiodic Brugia Malayi and Brugai pahangi (Nematoda, Filarioidea) by the gene-enzyme systems glucose phosphate isomerase and phosphogluconate dehydrogenase," Tropical Biomedicine, 1, 11-14, 1984.



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ประวัติผู้เขียน

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ตามหลักสูตรปริญญาโทบัณฑิต ของ จุฬาลงกรณ์มหาวิทยาลัย ในปีการศึกษา 2525



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