

REFERENCES

- Achalabhuti, C. Petroleum geology of Thailand (Gulf of Thailand and Andaman Sea).
Cirum - Pacific Energy and Mineral Resources pp. 251 - 260. Olahoma, U.S.A,
1974.
- Altermann, W. Facies development in the Permian Phetchabun Basin , central Thailand
Ph.D. Thesis, Freie University, 1987.
- _____, Grammel, S., Ingavat, R., Nakornsri, N., and Helmcke, D. On the evolution of
the Palaeozoic terrains bordering the northwestern Khorat Plateau. Conference
on Geology and Mineral Resources of Thailand, Bangkok , Thailand , 1983.
(reprint)
- Badley, M. E. Practical seismic interpretation. Boston : International Human Resources
Development Corporation, ____.
- Bal, A., et al. The Tertiary Phitsanulok lacustrine basin , Thailand. Proc. National
Conference on Geologic Resource of Thailand: Potential of Future Development,
pp. 247-258. 1992.
- Baker, C. Pyrolysis techniques for source - rock evaluation. AAPG Bull. 58 (November,
1974) : 2349-2361.
- Barr, S. M., and Macdonald, A. S. Geochemistry and petrogenesis of Late Cenozoic
alkaline basalts of Thailand. Geol. Soc. Malaysia Bull. 10 (1978): 25-52.
- Bertotti, G., Picotti, V., Bernoulli, D., and Castellarin, A. From rifting to drifting : tectonic
evolution of the South-Alpine upper crust from the Triassic to the Early Cretaceous.
Sed. Geol. 86 (1993): 53-76.
- Bhuthaung, H. Subsurface Geology of some Upper Cenozoic Sediments in the Upper Gulf
of Thailand with special reference to off - shore Hua Hin basin. Master 's Thesis,
Chulalongkorn University, 1992.
- Bidston, B., and Daniel, J. Oil form ancient lakes of Thailand. In Piancharoen, C. (ed),
Proc. National Conference on Geologic Resources of Thailand : Potential for

- Future Development, pp.584-599. Bangkok, Thailand, 1992.
- Bissada, K. Petroleum generation in Mesozoic sediments of the Moray Firth basin, British North Sea area. In Advances in Organic Geochemistry, pp. 7-15. 1983.
- Boonsueintasopa, S. Petrology and geochronology of the volcanic rocks of the central Thailand Volcanic Belt. Ph.D. Thesis, University of New Brunswick, 1993.
- Bond, G. C., and Kominz, M. A. Evolution of thought on passive continental margins from the origin of geosynclinal theory(-1860) to the present. Geol. Soc. Am. Bull. 100 (December, 1988): 1909-1933.
- Buffetaut, E. Stratigraphic significance of fossil vertebrates from the Mesozoic of north-eastern Thailand. Symposium on Stratigraphy of Thailand, 1983.
- Bunopas, S. Paleogeographic history of western Thailand and parts of Southeast Asia - a plate tectonics interpretation. Ph.D. Thesis, University of Wellington, New Zealand, 1981.
- _____. S., and Vella, P. Opening of the Gulf of Thailand-rifting of continental southeast Asia, and Late Cenozoic tectonics. Jour. Geol. Soc. Thailand 6 (May, 1983) : 1-12.
- Burri, P. Hydrocarbon potential of Tertiary Intermontane Basins in Thailand. In Thanasuthipitak, T. and Ounchanum, P. (eds.), International Symposium on Intermontane Basins : Geology&Resources, pp.3-12. Chiang Mai University, Thailand, 1989.
- Chaodumrong, P. Sedimentological studies of some Tertiary deposits of Mae Moh Basin, Changwat Lampang. Master's Thesis, Chulalongkorn University, 1985.
- _____, Janmaha, S., Ukakimapan, Y., Pradidtan, S., and Saeleow, N. A review of the Tertiary sedimentary rocks of Thailand. Proc. Work Shop on Stratigraphy Correlation of Thailand and Malasia, pp.159-187. Haad Yai, Thailand, 1983.
- Charusiri, P., Clark, A. H., and Farrar, E. $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology of some Thai basalts Jour. S.E. Asia Earth Sciences 1990.
- Chinbunchorn, N., Pradidtan, S., and Sattayarak, N. Petroleum potential of Tertiary intermontane basins in Thailand. In Thanasuthipitak, T., and Ounchanum, P. (eds.),

- International Symposium on Intermontane Basins: Geology & Resources pp. 29-41. Chiang Mai, Thailand, 1989.
- Chonglakmani, C. The marine Mesozoic stratigraphy of Thailand. Proc. Workshop on Stratigraphy of Thailand and Malaysia pp. 105-126. Haad Yai, Thailand, 1983.
- _____, and Fontaine, H. The Lam Narai - Phetchabun region : a platform of Early Carboniferous to Late Permian age. Proc. Technical Conference on Development Geology for Thailand into the Year 2000, pp. 39-54. Chulalongkorn University, 1990.
- _____, and Sattayarak, N. Stratigraphy of the Huai Hin Lat formation (Upper Triassic) in northeastern Thailand. In Nutalaya, P.(ed.) Proc. 3rd Regional Conference on Geology and Mineral Resources of Southeast Asia, pp. 739-762. Bangkok, Thailand, 1978.
- _____, _____. Geological map of Changwat Phetchabun, sheet ND 47-16, 1 : 250,000. Geol. Surv. Div., Dept. Mineral Resources, 1979.
- Chuaviroj, S. Outline of the tectonic evolution of Thailand. Proc. Technical Conference on Development Geology for Thailand into the Year 2000, pp. 19 - 28. Chulalongkorn University, 1990.
- Cluff, R.M., and Barrows, M.H., eds. Hydrocarbon generation and source rock evaluation (Origin of petroleum III). AAPG Rep. 24 (April, 1982): 215 p.
- Demaison, G. The generative basin concept. San Francisco: Chevron Overseas Petroleum, 1984.
- Dowdle, W. L., and Cobb, W. M. Static formation temperature from well logs - An empirical method. Jour. Pet. Tech. (December, 1975): 1326-1330.
- Einsele, G. Sedimentary basins. Berlin: Springer-Verlag, 1992.
- Espitalie J. , Madec, M. , Tissot, B. , Mennig, J. J. , and Leplat, P. Source rock characterization method for petroleum exploration. Proc. Offshore Technology Conference, pp. 439-443. Houston, 1977.
- Flint, S., Stewart, D.J., Hyde, T., Gevers, E.C.A., Dubrule, O.R.F., and Van Riessen, E.D.

- Aspects of reservoir geology and production behavior of Sirikit oil field, Thailand. AAPG Bull. 72 (October, 1988): 1254-1269.
- Hahn, L. Stratigraphy and marine incursions of the Mesozoic Khorat Group in north-eastern, Thailand. Geol. Japan Bull. 4 (1982): 7-35.
- Harding, T. P. Seismic characteristics and identification of negative flower structures, positive flower structures, and positive structural inversion. AAPG Bull. 69 (April, 1985): 582-600.
- _____, and Lowell, J.D. Structural styles, their plate-tectonic habitas, and hydrocarbon traps in petroleum provinces. AAPG Bull. 63 (July 1979): 1016-1058.
- Hayami, I. Some non-marine bivalves from the Mesozoic Khorat Group of Thailand. Geol. Palaeont. SE.Asia. 4 (1968): 100-108.
- Hegarty, K.A., Weissel, J.K., and Mutter, J.C. Subsidence history of Australia's southern margin: Constraints on basin models. AAPG Bull. 72 (May, 1988): 615-633.
- Helmcke, D. On the Variscan evolution of central mainland southeast Asia. Earth Evolution Sciences. 4 (1982): 309-319.
- _____, and Kraiphong, C. Geology of the Lom Sak - Chum Phae highway and remarks on selected outcrops in Loei Province. Unpubl. Rept., Dept. Mineral Resources, 1981.
- _____, _____. On the geosynclinal and orogenic evolution of central and northeastern Thailand. Jour. Geol. Soc. Thailand. 5 (1982): 52-74.
- _____, Waiyapot, Y. Special report on the geology of Lom Sak - Chum Phae highway. Dept. Mineral Resources, 1980. (Unpublished Report)
- _____, Webster, K., Ingavat, R., and Nakornsri, N. Orogenic evolution of NE-Thailand during the Upper Palaeozoic. Proc. Conference on Geology and Mineral resources Development of the Northeast, Thailand, pp. 31-39. Khon Kaen, 1985.
- Hitam, R., and Scherer, M. Distribution and maturation of source rocks in Brunei Darussalam. Conference & Exhibition ASCOPE 93, pp 3-10. Bangkok, Thailand, 1993.

- _____. Petroleum geochemistry and geology. San Francisco : W.H. Freeman and Co., 1979.
- Ingersoll, R.V. Tectonics of sedimentary basins. Geol. Soc. Am. Bull. 100 (November, 1988): 1704-1719.
- Jungyusuk, N. Geology of Amphoe Chon Daen. Geological Survey Rept. 0069 (1985): 49.
- _____. Geology of Amphoe Phaisali and Ban USok. Geological Survey Rept. 0106 (1988): 65.
- _____, and Khositantont, S. Geology of Khao Phra. Geological Survey Rept. 0032 (1984): 31.
- _____, and Sinsakul, S. Geology of Ban Na Chaliang, Amphoe Nong Phai and Amphoe Wichian Buri. Geological Survey Rept. 0127 (1989): 97.
- _____, and Suriyachai, P. Geology of Ban Maha Pho, Kri Amphoe Sri Thep, Ban Panasi and Amphoe Chai Badan. Geological Survey Rept. 0087 (1987): 85.
- _____, and Thanawut, S. Cenozoic basalts of Thailand. Proc. Conference on Geology & Mineral Resources of Thailand, Bangkok, 1983.
- _____, and Khositantont, S. Volcanic rocks and associated mineralization in Thailand. Proc. Geological Resources of Thailand : Potential for Future Development, Bangkok, 1992.
- Katz, B.J. Total generation potential - a preliminary analysis. EPBL Technical Memorandum, 1980.
- _____, and Schunk, D. J. Geochemical basin evaluation : a primer. Taxaco Rept. 85 (1993):_____.
- _____, Pfeifer, R. N., and Schunk, D. J. Interpretation of discontinuous vitrinite reflectance profiles. AAPG Bull., 72 (August, 1988): 926-931.
- Khantaprab, C., and Kaewsang, K. Sedimentary facies analysis and petroleum potential aspect. Chulalongkorn University, 1987.
- Knox, G., and Wakefield, L.L. An introduction to the geology of the Phitsanulok Basin .

- Proc. Conference on Geology & Mineral Resources of Thailand pp. 1-8. Bangkok, 1983.
- Kobayashi, T. The Cretaceous non-marine pelecypods from the Nam Phung Dam site in the northeastern part of the Khorat Plateau, Thailand, with a note on the Trigonoididae. Geol. Palaeont. S.E Asia 4 (1968): ____.
- Konno, E., and Asama, K. 1973. Mesozoic plants from Khorat, Thailand. Geol. Palaeont. S.E Asia 12 (12): 149-171.
- Lawwongngam, K. Geochemical characterization of crude oils from the Sirikit Oilfield, Phitsanulok Basin. Master's Thesis, Petroleum and Petrochemical College, Chulalongkorn University, 1992
- _____, and Philp, R. P. Preliminary investigation of oil and source rock organic geochemistry from selected Tertiary basins of Thailand. Jour. S. E Asian Earth Sciences 8 (1993): 433-448.
- _____, Philp, R. P., and Tantayanon, S. Geochemical characterization of crude oil from Sirikit Oilfield, Phitsanulok Basin. Proc. Technical Conference on Development Geology for Thailand into the Year 2000, pp.377-407. Chulalongkorn University, 1992.
- Leckie, D.A., Kalkreuth, W.D., and Snowdon, L.R. Source rocks potential and thermal maturity of Lower Cretaceous strata: Monkman Pass Area, British Columbia. AAPG Bull. 72 (July 1988): 820-232.
- Le Dain, A.Y., Tapponnier, P., and Molnar, P. Active faulting and tectonics of Burma and surrounding regions. Jour. Geophys. Res. 89 (1984): 453-472.
- Leeper, R. H., and Saaen, R. Organic geochemical data file--organic carbon of shaly rocks, preliminary analysis. EPBL Technical Memorandum, 1977.
- Lekuthai, T. Evolution and hydrocarbon prospectivity of the Kra Basin, Thailand Master's Thesis, RHBNC. University of London, England, 1991.
- _____. Geothermal gradient in the Gulf of Thailand 1993.
- Lemiscki, P.J., and Brown, L.D. Variable crustal structure of strike-slip fault zones as

- observed on deep seismic reflection profiles. Geol. Soc. Am. Bull. 100 (May 1988): 665-676.
- Maranate, S. Magnetostratigraphic correlation for dating in the Khorat Group, northeast Thailand. Proc. Conference on Applications of Geology and the National Development, pp. 293-296. Bangkok, Thailand, 1984.
- McCabe, R., Celeya, M., Cole, J., Han, H.C., Ohnstad, T., and Thitipawan, V. Extensive tectonics : The Neogene opening of the north - south trending basins of Central Thailand. Jour. Geophysics Res. 93 (1988): 11988-11910.
- Mckenzie, D. P. Some remarks on the development of sedimentary basins. Earth and Planet Sci. Lett. 40 (1978): 25-32.
- Miall, A.D. Analysis of fluvial depositional system. AAPG Fall Education Conference, Canada, 1981.
- Nakornsri, N. Geological map of Amphoe Ban Mi, 1:250,000, sheet ND 47-4. Geol. Sur. Div., Dept Mineral Resources, 1976.
- _____. Principles of sedimentary basin analysis 2 nd. ed. New York:Springer-Verlag, 1990.
- Noibanchong, C. Facies model of North Malay Basin. Proc. Technical Conference on Development Geology for Thailand into the Year 2000, pp.13-14. Chulolongkorn University, 1990.
- O'Leary, J., and Hill, G.S. Tertiary basin development in the southern central plains , Thailand. In Thanasuthipitak, T., and Ounchanum, P.(eds.), Proc. International Symposium on Intermontane Basins: Geology&Resources pp.254-264. Chiang Mai, Thailand, 1989.
- Packham, G.H. Plate tectonics and the development of sedimentary basins of the dextral regime in western Southeast Asia. Jour. S.E. Asia Earth Sciences. 8 (1993): 497-511.
- Patience R.L., Rodrigues, S.L., Mann, A.L., and Poplett, I.J.F. An integrated organic geochemical and palynoficies evaluation of a series of lacustrine sediments from

- Thailand. Conference & Exhibition ASCOPE 93, pp. 75-79. Bangkok, Thailand, 1993.
- Payton, C. E., ed. Seismic stratigraphy applications to hydrocarbon exploration. AAPG Mem. 26 (1977): ____.
- Perrodon, A. Dynamics of oil and gas accumulations France: Elf Aquitaine, 1983.
- Peters, K.E. Guideline for evaluating petroleum source rock using programmed pyrolysis. AAPG Bull. 70 (March, 1986): 318-329.
- Petroleum Extension Serv. Fundamentals of petroleum Texas : University of Texas, 1979.
- Picard, M. D., and High, L. R. Criteria for recognizing lacustrine rock. Spec. Pub. SEPM 18 (1972): 108-145.
- _____, _____. Physical stratigraphy of ancient lacustrine deposits. Spec. Pub. SEPM 31 (August, 1981): 233-259.
- Pigott, J. D. Assessing source rock maturity in Frontier Basin : importance of time, temperature, and tectonics. AAPG Bull. 69 (August, 1985): 1269-1274.
- _____, and Sattayarak, N. Aspects of sedimentary basin evolution assessed through tectonic subsidence analysis, example : northern Gulf of Thailand. Jour. S.E Asia Earth Science 8 (1993): 407-420.
- Pisutha-Armond, S. Log interpretation on igneous rocks. Proc. Technical Conference on Development Geology for Thailand into the Year 2000, pp. 477 - 490. Chulalongkorn University, 1992.
- Piyasin, S. Problems of stratigraphic classification and environments of Khorat Group. Proc. Conference on Geology and Mineral resources Development of the Northeast, Thailand, pp.85-97. Khon Kaen, 1985.
- Polachan, S. The geological evolution of the Mergui Basin , S. E. Andaman Sea , Thailand Ph.D. Thesis, RHBNC University of London, England, 1988.
- _____, and Sattayarak, N. Strike-slip tectonics and the development of Tertiary basins basins in Thailand. In Thanasuthipitak, T., and Ounchanum, P. (eds.), Proc. International Symposium on Intermontane Basins pp. 243 - 253. Chiang Mai,

- Thailand, 1989.
- Polprasit, C., and Prasomtrap, T. Geology of Ban Wang Pong and Changwat Phetchabun. Geological Survey Rept. 0107 (1988): ____.
- Praditjan, S. Characteristics and controls of lacustrine deposits of some Tertiary basins in Thailand. In Thanasuthipitak, T., and Ounchanum, P. (eds.), Proc. International Symposium on Intermontane Basins, pp. 133 - 145. Chiang Mai, Thailand, 1989.
- _____, and Dook, R. Petroleum Geology of the northern part of the Gulf of Thailand In Pancharoen, C. (ed), Proc. of National Conference on Geologic Resources of Thailand : Potential for Future Development, pp.235-246. Bangkok, Thailand, 1992.
- _____, and Singhasene, C. Stratigraphy of Tertiary basins in the Gulf of Thailand. Proc. Technical Conference on Development Geology for Thailand into the Year 2000 pp. 408-429. Chulalongkorn University, 1990
- Price, N. J., and Cosgrove, J. W. Analysis of geological structures London : Cambridge University Press, 1990.
- Promet Energy Services PTE Ltd. Photogeological study of parts of the Phetchabun and Mae Sot basins, Thailand. Report submitted to DMR. 1985.
- Ramingwong, T. A review of the Khorat group of Thailand. Proc.3rd Regional Conference Geology and Mineral Resources of Southeast Asia, pp. 763 - 774. Bangkok, Thailand. 1978.
- Reading, H.G. Sedimentary environments and facies London: Beckwell Scientific, 1979.
- Reineck, H.E., and Singh, I.B. Depositional sedimentary environments Germany:Springer-Verlag, 1973.
- Remus, D., Webster, M., and Keawkan, K. Rift architecture and sedimentology of the Phetchabun Intermontane Basin, central Thailand. Jour.S.E Asian Earth Sciences, 8 (1993): 421-432.
- Roksandic, M.M. Dynamic interpretation of organic-matter maturation and evolution of oil-generative window: Discussion. AAPG Bull. 70 (August, 1986): 1008-1010.

- Sattayarak, N. Review of the continental Mesozoic stratigraphy of Thailand. Proc. Workshop on Stratigraphic Correlation of Thailand and Malaysia, Haad Yai, Thailand, 1983.
- _____. Petroleum exploration opportunity in Thailand. In Piancharoen, C. (ed), Proc. National Conference on Geologic Resources of Thailand : Potential for Future Development, pp.668-675. Bangkok, Thailand, 1992.
- Schumn, S. A. Evolution and response of the fluvial system , sedimentologic implications. SEPM spec. pub. 31 (August, 1981): 19-29.
- Staplin, F. L., et al. How to assess maturation and paleotemperatures. SEPM Short Course 7th, U.S.A, 1982.
- Selley, R.C. An introduction to sedimentology. (2nd ed.) London: Academic Press, 1982.
- Serra, O. Fundamentals of well-log interpretation. Amsterdam, 1986.
- Sylvester, A.G. Strike - slip faults. Geol. Soc. Am. Bull. 100 (November, 1988) : 1666-1703.
- Thanomsap, S. Structural development on the Khorat Plateau and its western adjacent area. Proc. Technical Conference on Development Geology for Thailand into the Year 2000, pp. 29-38. Chulalongkorn University, 1992.
- Tissot, B. P., and Welte, D. H. Petroleum formation and occurrence. Germany : Springer-Verlag, 1978.
- _____, Pelet, R., and Ungerer, P. H. Thermal history of sedimentary basins , maturation indices, and kinetics of oil and gas generation. AAPG Bull. 71 (December, 1987) : 1445-1466.
- Tapponnier, P., Peltzer, G., and Armijo, R. On the mechanism of the collision between India and Asia. Geol. Soc. Lond. Spec. Publ. 19 (1986): 115-157.
- Walker, R. G. Facies models. Geoscience Canada Rep. 1, 1986.
- Webster, M. Results of geological mapping in SW1 concession, Thailand. Report submitted to DMR. 1988.
- _____. A geological and geophysical review of the Wichian Buri sub-basin, SW1

concession, onshore Thailand. Report submitted to DMR. 1989.

Wernicke, B. Uniform-sense normal simple shear of the continental lithosphere. Canadian Jour. Earth Sciences. 22 (1985):108-125.

Wielchowsky, C. C., and Young, J. D. Regional facies variation in Permian rocks of the Phetchabun fold and thrust belt. Proc. Conference on Geology and Mineral Resources Development of the Northeast, Thailand, pp. 41-55. Khon Kaen University, 1985.

Wilson, M. Magmatism and the geodynamics of basin formation. Sed. Geol. 86 (1993): 5-29.

Winkel, R., Ingavat, R., and Helmcke, D. Facies and stratigraphy of the Lower - lower Middle Permian strata of the Phetchabun fold - belt in central Thailand. Proc. Workshop on Stratigraphic Correlation of Thailand and Malaysia, pp. 293 - 306. Haad Yai, Thailand, 1983.



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