

REFERENCES

- Benammi, M., Urrutia-Fucugauchi, J., Alva-Valdivia, LM., Chaimanee, Y., Triamwichanon, S. and Jaeger, J-J., 2002. Magnetostratigraphy of the Middle Miocene continental sedimentary sequences of the Mae Moh Basin in northern Thailand: evidence for counterclockwise block rotation. *Earth and Planetary Science Letters*, 204: 373-383.
- Beynon, A.D., 1987. Replication technique for studying microstructure in fossil enamel. *Scanning Microscopy*, 1: 663-669.
- Butler, P.M., 1952. The milk molars of Perissodactyla, with remarks on molar occlusion. *Proceedings of the Zoological Society of London*, 121: 777-817.
- Calandra, I., Gohlich, U.B. and Merceron, G., 2008. How could sympatric megaherbivores coexist? Example of niche partitioning within a proboscidean community from the Miocene of Europe. *Springer*, 95: 831-838.
- Calandra, I. and Gohlich, U.B., 2010. Feeding preferences of *Gomphotherium subtapiroideum* (Proboscidea, Mammalia) from the Miocene of Sandelzhausen (Northern Alpine Foreland Basin, southern Germany) through life and geological times: evidence from dental microwear analysis. *Springer*, 84: 205-215.
- Capozza, M., 2001. Microwear analysis of *Mammuthus meridionalis* (Nesti, 1825) molar from Campo del Conte (Frosinone, Italy). In *The World of Elephants – International Congress, Rome 2001*: 529-533.
- Chaimanee, Y., Suteethorn, V., Jintasakul, P., Vidthayanon, C., Marandat, B. and Jaeger, J-J. 2004. A new orang-utan relative from the Late Miocene of Thailand. *Nature*, 427: 439-441.

- Chavasseau, O., Chaimanee, Y., Yamee, C., Tian, P., Rugbumrung, M., Marandat, B. and Jaeger, J-J. 2009. New Proboscideans (Mammalia) from the Middle Miocene of Thailand. *Zoological Journal of the Linnean Society*, 155: 703-721.
- DeMiguel, D., Azanza, B. and Morales, J., 2011. Paleoenvironments and paleoclimate of the Middle Miocene of central Spain: a reconstruction from dental wear of ruminants. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 302: 452-463.
- Fahlke, J.M., Bastl, K.A., Semprebon, G.M. and Gingerich, P.D., 2013. Paleoecology of archaeocete whales throughout the Eocene: dietary adaptations revealed by microwear analysis. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 386: 690-701.
- Foster, B., 1997. *Optimizing Light Microscopy for Biological and Clinical Laboratories*. Kendall/Hunt Publishing Co. Dubuque, IA, 187 p.
- Fukuchi, A., Ratanasthien, B., Tanaka, S., Nagaoka, S., and Suzuki, S., 2007. Stratigraphy and sedimentary environment of late Middle – early Late Miocene Chiang Muan Formation, Phayao Province, Thailand, *Nature and Human Activities*, 11: 1-15.
- Green, J.L., Semprebon, G.M. and Solounias, N., 2005. Reconstructing the palaeodiet of Florida *Mammot americanum* via low-magnification stereomicroscopy. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 223: 34-48.
- Grine, F.E., 1986. Dental evidence for dietary differences in *Australopithecus* and *Paranthropus*. *Journal of Human Evolution*, 15: 178-822.
- Hoorn, C., Ohja, T., and Quade, J., 2000. Palynological evidence for vegetation development and climatic change in the Sub-Himalayan Zone (Neogene, Central Nepal). *Palaeogeography, Palaeoclimatology, Palaeoecology*, 163: 133-161.

- Jitapankul, S., Charussuriyong, P., Jantanachotivont, S., 1985. Geology of Tertiary Deposits of Mae Moh basin. The Proceedings of the Conference on Lignite Industry in Thailand, EGAT, Thailand, 1-16.
- Kunimatsu, Y., Ratanasthien, B., Nakaya, H., Saegusa, H. and Nagaoka, S., 2004. Earliest Miocene Hominoid from Southeast Asia. *American Journal of Physical Anthropology*, 124: 99-108.
- Mills, J.R.E., 1955. Ideal dental occlusion in primates. *Dental Practitioner*, 6: 47-51.
- Nagaoka, S., and Suganuma, Y., 2002. Tertiary sediment basins with mammalian fossils in Northern Thailand, *Primate Research*, 18: 159-164 (in Japanese with English summary).
- Nelson, S., Badgley, C. and Zakem, E., 2005. Microwear in modern squirrels in relation to diet. *Palaeontologia Electronica*, 8: 1-15.
- Novello, A., Blondel, C. and Brunet, M., 2010. Feeding behavior and ecology of the Late Oligocene Moschidae (Mammalia, Ruminantia) from La Milloque (France): Evidence from dental microwear analysis. *Comptes Rendus Palevol*, 9: 471-478.
- Palombo, M.R., Filippi, M.L., Iacumin, P., Longinelli, A., Barbieri, M. and Maras, A., 2005. Coupling tooth microwear and stable isotope analyses for palaeodiet reconstruction: the case study of Late Middle Pleistocene *Elephas (Palaeoloxodon) antiquus* teeth from Central Italy (Rome area). *Quaternary International*, 126-128: 153-170.
- Ratanasthien, B., 1990. Mae Long Formation of Li Basin, Thailand. *Pacific Neogene Events: Their Timing, Nature and Interrelationship*. University of Tokyo Press, 123-128.
- Rivals, F., Mithlacher, M.C., Solounias, N., Mol, D., Semprebon, G.M., Vos, D.J. and Kalthoff, D.C., 2010. Palaeoecology of the Mammoth Steppe fauna from the late

- Pleistocene of the North Sea and Alaska: Separating species preferences from geographic influence in paleoecological dental wear analysis. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 286: 42-54.
- Rivals, F., Semprebon, G. and Lister, A., 2012. An examination of dietary diversity patterns in Pleistocene proboscideans (*Mammuthus*, *Palaeoloxodon*, and *Mammut*) from Europe and North America as revealed by dental microwear. *Quaternary International*, 255: 188-195.
- Saegusa, H., Thasod, Y. and Ratanasthein, B., 2005. Notes on Asian stegodontids. *Quaternary International*, 126-128: 31-48.
- Sato, Y., 2002. Preliminary report on the occurrence of fossil mammals in Nakhon Ratchasima, northeast Thailand. The Proceedings of the Symposium on Geology of Thailand 26-31 August 2002, Bangkok, Thailand, 230-232.
- Schulz, E., Calandra, I. and Kaiser, T.M., 2013. Feeding ecology and chewing mechanics in hoofed mammals: 3D tribology of enamel wear. *Wear*, 300: 169-179.
- Semprebon, G., Godfrey, L., Solounias, N., Sutherland, M. and Jungers, W., 2004. Can low – magnification stereomicroscopy reveal diet?. *Journal of Human Evolution*, 47: 115-144.
- Sepulchre, P., Jolly, D., Ducrocq, S., Chaimanee, Y., Jaeger, J-J. and Raillard, A., 2010. Mid-Tertiary paleoenvironments in Thailand: pollen evidence. *Climate of the Past*, 6: 461-473.
- Solounias, N. and Semprebon, G., 2002. Advances in the reconstruction of ungulate ecomorphology with application to early fossil equids. *American Museum Novitates*, 3366: 1-49.
- Soltysiak, A., 2011. Cereal grinding technology in ancient Mesopotamia: evidence from dental microwear. *Journal of Archaeological Science*, 38: 2805-2810.

- Songtham, W., 2003. Stratigraphic correlation of Tertiary basins in Northern Thailand using algae pollen and spores, Ph.D. Thesis, The Graduate School, Chiang Mai University, 280 p.
- Suganuma, Y., Hamada, T., Tanaka, S., Okada, M., Nakaya, H., Kunimatsu, Y., Saegusa, H., Nagaoka, S., and Ratanasthien, B., 2006. Magnetostratigraphy of the Miocene Chiang Muan Formation, northern Thailand: Implication for revised chronology of the earliest Miocene hominoid in Southeast Asia. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 239: 75-86.
- Tassy, P., Anupandhanant, P., Ginsburg, L., Mein, P., Ratanasthien, B. and Suteethorn, V., 1992. A new *Stegolophodon* (Proboscidea, Mammalia) from the Early Miocene of Northern Thailand. *Geobios*, 25: 511-523.
- Tassy, P., 1996. Dental homologies and nomenclature in the Proboscidea. In: Shoshani J. and Tassy P. (Eds), *The Proboscidea Evolution and Palaeoecology of Elephants and Their Relatives*. Oxford University Press, Oxford. 21-25.
- Thasod, Y., 2007. Miocene Mastodont in Thailand and Paleoenvironment. Ph.D. Thesis, The Graduate School, Chiang Mai University, 368 p.
- Thasod, Y., Jintasakul, P. and Ratanasthien, B., 2012. Proboscidean fossil from the Tha Chang sand pits, Nakhon Ratchasima province, Thailand. *Journal of science and technology Mahasarakham University*. 31(1), 33-44.
- Todd, N.E., Falco, N., Silva, N. and Sanchez, C., 2007. Dental microwear variation in complete molars of *Loxodonta africana* and *Elephas maximus*. *Quaternary International*, 169-170: 192-202.
- Ungar, P.S., 1996. Dental microwear of European Miocene catarrhines: evidence for diets and tooth use. *Journal of Human Evolution*, 31: 335-366.
- Ungar, P.S., 2010. *Mammal Teeth: Origin, Evolution, and Diversity*; The Johns Hopkins University Press, Maryland, 304 p.

- Ungar, P.S., Scott, J.R., Curran, S.C., Dunsworth, H.M., Harcourt-Smith, W.E.H., Lehmann, T., Manthi, F.K. and McNulty, K.P., 2012. Early Neogene environments in East Africa: Evidence from dental microwear of tragulids. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 342-343: 84-96.
- Vaughan, T.A., Ryan, J.M. and Czaplewski N.J., 2011. *Mammalogy* (5th Ed); Johnes and Bartlett Publishers, Canada, 132 p.
- Winston, J.E., 1999. *Describing species: practical taxonomic procedure for biologists*. Columbia University Press, New York, 518 p.
- Zachos, J., Pagani, M., Sloan, L., Thomas, E., and Billups, K., 2001. Trends, Rhythms, and Aberrations in Global Climate 65 Ma to Present. *Science*, 292: 686-693.
- Zachos, J., Dickens, G., and Zeebe, R., 2008. An early Cenozoic perspective on greenhouse warming and carbon-cycle dynamics. *Nature*, 451: 279-283.



ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved

CURRICULUM VITAE

Name	Mr. Supanut Suntikoon
Date of Birth	June 29, 1990
Education	Primary School, Jitrawittaya school Chiang Mai, 2001 Secondary School, Wattanothaipayap school Chiang Mai, 2007 B.S. (Chemistry), Chiang Mai University, 2011
Scholarship	Development and Promotion of Science and Technology Talent Project (DPST)
Publication	Supanut Suntikoon and Yupa Thasod. 2015. Miocene environment in Tha Chang sand pits: evidence from dental microwear of <i>Prodeinotherium pentapotamiae</i> . The Proceeding of the International Graduate Research Conference 2015 (iGRC 2015), 25-30.



ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright © by Chiang Mai University
All rights reserved