

CURRICULUM VITAE

Name Montri Choowong, Ph.D

Position Associate Professor

Affiliation

Department of Geology
Faculty of Science
Chulalongkorn University
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Academic background

Ph.D. (Geology), University of Tsukuba, Japan
M.Sc. (Geology), Chulalongkorn University, Thailand
B.Sc. (Geology), Chulalongkorn University, Thailand

Awards

1996: Tab Niranithi Award, Faculty of Science, Chulalongkorn University for outstanding Master student at Department of Geology, Chulalongkorn University.
2009: Gold medal from Japan Society for the Promotion of Sciences (JSPS) and National Research Council of Thailand (NRCT) for Ronpaku Ph.D fellow.
2009: A winner of TRF-CHE Scopus Young Researcher Award in Physical Sciences category. Awarded by the Thailand Research Funds (TRF) and the Commission of Higher Education (CHE), Thailand.

Expertise

Geomorphology
Tsunami Sedimentology
Coastal Geomorphology
Quaternary Geology

Research interests

Tsunami geology
Coastal geomorphology
Quaternary geology
Geological Hazard
Fluvial geomorphology and sedimentology

Work records

2009- recent: Associate Professor, Department of Geology, Faculty of Science, Chulalongkorn University, Bangkok, Thailand
2005- 2009: Assistant Professor, Department of Geology, Faculty of Science, Chulalongkorn University, Bangkok, Thailand
1995-2005: Lecturer (Geomorphology), Department of Geology, Faculty of Science, Chulalongkorn University, Bangkok, Thailand.
1994-1995: Geologist, Gemstone Exploration Section, Economic Geology Division, Department of Mineral Resources, Thailand.

Research experiences

- 1991: Geological mapping (Fieldwork I), Ban Tha Si, Mae Moh District, Lampang Province, Northern Thailand.
- 1992: Geological mapping (Fieldwork II), Lam Na Rai, Lopburi Province, Central Thailand.
- 1993: Environmental geology and urban planning in Saraburi province, Central Thailand. B.Sc honour project at Department of Geology, Faculty of Science, Chulalongkorn University, Bangkok, Thailand.
- 1995: Joined gold mineral exploration team, GMT Ltd. Work involved geological mapping, sampling, drilling and seismic survey, Loei Province, Northeastern Thailand.
- 1995: Joined DMR gemstone exploration team, Gemstone Exploration Section. Work involved geological mapping of gem field at Bo Phloi District, Kanchanaburi Province, Western Thailand.
- 1995: Joined DMR gemstone exploration team, Gemstone Exploration Section. Work involved geological survey, mapping potential of gemstone at Dan Chumpol Princess Chulaporn Development Project Area, Trat Province, Eastern Thailand.
- 1996: 6 months in Quaternary field at Kanchanaburi. Quaternary geology related to gemstone deposit at Bo Phloi district, Kanchanaburi province, western Thailand. M.Sc thesis, Department of Geology, Faculty of Science, Chulalongkorn University, Bangkok, Thailand.
- 1996-1997: Joined a research team with Assistant Professor Dr Malai Liengjaroen, Assistant Professor Veerote Daorerk, Chulalongkorn University. The work involved palaeontological investigation of dinosaur traces from Khao Yai National Park and responsible for study detailed stratigraphy.
- 1997: Joined Department of Geology, Chulalongkorn University Field School at Dan Chang District, Suphan Buri Province, Central-west Thailand. Program involved field training undergraduate students.
- 1998-1999: Geological field mapping and drilling coastal sediment using PCSC along the coastal plains of the Gulf of Thailand.
- 2002: Project leader "Evolution of Coastal Landforms from the Gulf of Thailand and the Andaman Sea". The project was funded by Rachadapisek Somphot Foundation, Chulalongkorn University
- 2003: Project leader "Rate of coastal erosion from the Gulf of Thailand and the Andaman Sea coasts". The research was funded by Thailand Research Fund (TRF).
- 2005-recent: Co-researcher on "Active fault project", Earthquake and Tectonic Geology Research Unit (EATGRU), Chulalongkorn University
- 2007-2008: Project leader "Investigation of paleo-storm deposits along the coast of Thailand". The research is funded by Chulalongkorn University.
- 2007-2009: Project leader "Evaluation of beach recovery after 2004 tsunami event and investigation of paleotsunami along the Andaman coast of Thailand". The research is funded by Thailand Research Fund (TRF).
- 2009-2010: Project leader "Investigation on trace of storm along Thailand coast". Project is funded by Faculty of Science, Chulalongkorn University.
- 2009: Join GISTDA project as co-researcher. Project involves "Application of THEOS satellite image for detecting suspended sediments from the coastal zone of the Gulf of Thailand.
- 2009: Co-researcher for PTTEP Project. The work involves remote sensing interpretation and GIS database of the Andaman Basin and the Gulf of Thailand.
- 2009: Join US NGF Project lead by Professor Brady Rhodes, California State University (Fullerton). The work involves investigation on paleotsunami deposits at Phrathong Island, Andaman coast of Thailand.

- 2009: Co-researcher of Geology Department. The project involves geological hazard and tectonic investigation at Nan province fund by Chulalongkorn University.
- 2009: The Royal Golden Jubilee Ph.D Program, Thailand Research Fund (RGJ-Ph.D Program).

Professional consultancy

- 1996: Geomorphological consultant for Siam Cement Co, Ltd., Bangkok, Thailand. The work involved the evaluation and interpretation of sand depositional areas from remotely-sensed data along the Chao Phraya River, the Central Plain, Thailand.
- 1996: Geological consultant for Clay Mineral Co, Ltd., Bangkok, Thailand. The work involved the geological investigation and mapping of soft clay deposits for ceramic industrial purpose, Rayong province, eastern coast of Thailand.
- 2003: Consultancy from Siam Cement Company. The work involved geological interpretation of sand construction materials for industry.
- 2005: Consultant for Punya Consultant Co., LTD. Project involved aerial photograph interpretation for locating source rock material for Khwae Noi Dam, Pitsanulok.
- 2006: Consultant for Punya Consultant Co., LTD. Project involved aerial photograph interpretation for salt dome exposures in northeastern Thailand.
- 2008: Consultant for NP Marine Project at Surathani. The work involved GIS and remote sensing interpretation for evaluating the change in Tapi River morphology.
- 2008: Consultant: Project involves geological investigation along tunnel at Klong Thung Pley, Chanthaburi. The Department of Military Energy.
- 2009: Consultant for PTE Engineering Consultant Co., LTD. Project involves GIS database for locating source of construction materials.
- 2009: Consultant for NECTEC project. The work involves simulation model for coastal hazard mitigation.
- 2009: Consultant for Akara Mining Co., LTD. The work involves groundwater modeling and geological interpretation of some heavy metal contamination.
- 2009: Advisory team as a specialist of the Pollution Control Department. Project concerns the recovery process of hazardous-prone area, Kanchanaburi.
- 2009: Consultant for Thanayong Co., LTD. The project involves investigation on groundwater resource at Pakchong area, Nakorn Ratchasima province.

Professional academic records

- 2002: Invited speaker, "Geomorphology of Central Plain, Thailand", Faculty of Science, Mahidol University, Bangkok, Thailand
- 2004: Invited speaker, "Geo-archaeology", Faculty of Archaeology, Silapakorn University, Bangkok, Thailand
- 2005: Invited speaker, "Effect of 2004 Indian Ocean tsunami along the coast of Thailand", Owase High-school, Japan
- 2006: Visiting professor, University of Washington, Seattle, USA

Reviewer for international science journals

Marine Geology, Elsevier Publisher

Terra Nova, Publish by European Geoscience Union, Blackwell Publisher

Sedimentary Geology, Elsevier Publisher

Island Arc, Blackwell Publisher

Journal of Scientific Research, Chulalongkorn University

Journal of Science Research, Khon Kaen University

Journal of Science Research, Songkhla University

Bulletin of Earth Sciences of Thailand (BEST), Chulalongkorn University

Research reports

1. **Choowong, M.**, and Daorerk, V., 2002. Evolution of coastal landforms from the Andaman and Gulf of Thailand coasts. Report submitted to Ratchadapisek Somphot Foundation, Chulalongkorn University, 120 p. (in Thai)
2. **Choowong, M.**, and Charusiri, P., 2005. Rate of coastal erosion from the Andaman coast and the Gulf of Thailand. Report submitted to Thailand Research Fund (TRF-MRG46800091), 96 p. (in Thai)
3. Charusiri, P., **Choowong, M.**, Charoentitirat, T., Chutakositkanon, V., Jankaew, K., Kanjanapayont, P., 2005. Evaluation and assessment of geological and physical effects in tsunami affected areas for rehabilitation and warning. Report submitted to Ministry of Natural Resource and Environment., 451 p. (in Thai)
4. **Choowong, M.**, Charoentitirat, T., Phantuwoongraj, S., Jankaew, K., Chutakositkanon, V., and Charusiri, P., 2007. Evaluation on post 2004 tsunami geological recovery and paleotsunami investigation for evaluating recurrence period. Technical report submitted to Chulalongkorn University, 115 p.
5. **Choowong, M.**, Charoentitirat, T., Hunyek, V., Phantuwoongraj, S., 2009. Benthic foraminifera records in 2004 tsunami deposits from Phrathong Island, Phang-nga, Thailand. Technical report submitted to Chulalongkorn University, 50 p.

Lecture notes, books and media

1. Daorerk, V., Charusiri, P., and **Choowong, M.**, 1998. Geological field trip manual. Department of Geology, Faculty of Science, Chulalongkorn University., 43 p (in Thai)
2. Charusiri, P., Daorerk, V., Sutthirat, C., **Choowong, M.**, Bhongaraya, S., Siritheerasat, K., 2001. Physical geology laboratory manual. Department of Geology, Faculty of Science, Chulalongkorn University., 92 p (2 volumes in Thai)
3. Charusiri, P., Daorerk, V., Imsamut, S., Sutthirat, C., and **Choowong, M.**, 2002. Physical Geology. Plus Place Co., Ltd., 652 p. (in Thai)
4. **Choowong, M.**, Nakapadungrat, S., Muangnoicharoen, N., Daorerk, V., and Sutthirat, C., 2002. Physical geology/Earth sciences. Lecture note for high school teacher training, June 2002, Department of Geology, Faculty of Science, Chulalongkorn University, 120 p. (in Thai)
5. Charoentitirat, T., and **Choowong, M.** (eds.), 2003. Physical Geology, Lecture note for high school teacher training, October 2003, Department of Geology, Faculty of Science, Chulalongkorn University, 144 p. (in Thai)
6. **Choowong, M.**, 2005. Geomorphology. Lecture note, Department of Geology, Faculty of Science, Chulalongkorn University, 91 p. (in Thai)
7. **Choowong, M.** 2006. The 2004 tsunami event: Geological guide book from the Andaman Coast, Southern Thailand. Unpublished geological report, Department of Geology, Chulalongkorn University, 30 p. (English version)
8. Charusiri, P., **Choowong, M.**, Charoentitirat, T., Chutakositkanon, V., Jankaew, K and Kanjanapayont, P., 2005. VCD "Summary on the 26 December 2004 Earthquake and Tsunami Event", Exclusive documentary includes video record and summary of the event in Thailand, with special note to geological investigation by Chulalongkorn Geology Tsunami Research Team.
9. **Choowong, M.**, Charoentitirat, T., Jankaew, K, Chutakositkanon, V., and Charusiri, P., 2007. Tsunami Geology in Thailand: A Case Study on 26 December 2004. Misterkopy Press, Co., LTD, 106 pp. ISBN 978-974-9897-02-7 (in Thai)

10. **Choowong, M.**, and Thitimakorn, T. (Eds.), 2008. *Proceedings of the International Symposium on Geoscience Resources and Environments of Asian Terranes*, Bangkok, Thailand, 569 p.
11. **Montri Choowong**, 2008. Lecture note: Advanced Geomorphology. 203 p.
12. **Montri Choowong**, in press. Tsunami in Thailand (in Thai).

Ph.D supervision

1. Mr. Sumet Phantuwongraj, Ph.D student. Department of Geology, Chulalongkorn University. Tentative title: Records of washover deposits induced by storm along the coast of the Gulf of Thailand (on-going).

M.Sc supervision

1. Thesis title "Environmental Geology of Changwat Buriram", by Pannipa Tian, 2002, co-advisor with Assoc. Prof. Dr. Chaiyudh Khanthaprab
2. Thesis title "Upper Succession of Cenozoic Sedimentary Facies in the Southern Part of the Phrae Basin, Northern Thailand" by Kruathao, R, 2002, co-advisor with Assoc. Prof. Dr. Chaiyudh Khanthaprab
3. Thesis title "Geo-archeology of Thum Lod Rockshelter, Pang-mapha, Mae Hong Son province" by Khaokaew, C., 2004, co-advisor with Assoc. Prof. Dr. Rassamee Chuthongdej (Department of Archaeology, Silpakorn University)
Excellent thesis
4. Thesis title "Seasonal Shoreline Changes and Coastal Erosion Hazards from Prachuap Khiri Khan" by Songmuang, R., 2005, co-advisor with Assist. Prof. Veerote Daorerk
5. Thesis title "Geoarchaeology of Thung Setti, Amphoe Cha-um, Changwat Petchaburi" by Silapanth, P., 2005, co-advisor with Assist. Prof. Dr. Titima Charoentitirat
6. Thesis title "Classification of gastropoda and bivalvia fossils from the Khao Sam Roi Yod National Park, Prachuap Khiri Khan Province, Thailand" by Surakeitchai, P., 2006, co-advisor with Assist. Prof. Dr. Titima Charoentitirat
7. Thesis title "Shoreline changes after 26 December 2004 tsunami from Khao Lak, Changwat Phang-nga" by Phuntuwongraj, S., 2006, co-advisor with Assist. Prof. Dr. Sombat Yumuang,
Excellent thesis
8. Thesis title "Formation of sand dune at Bang Berd, Changwat Chumphon" by Lertnork, V., 2009, co-advisor Dr. Thanop Thitimakorn (on-going).

B.Sc supervision

1. Senior Project title "Coastal Evolution of Chanthaburi Estuary, Chanthaburi Province, Thailand by Using Remote Sensing Interpretation" by Chantarasomboon, V., 2002
2. Senior Project title "Palaeo-environments and Relict Strandlines at Amphoe Khlung, Changwat Chanthaburi, Eastern Thailand" by Prapasanobon, N., 2002
3. Senior Project title "Preliminary Study on Rate of Coastal Erosion from Prachuap Khiri Khan Province" by Numee, L., 2003
4. Senior Project title "The Geomorphology of Yom River at Wang Chin and Long Districts, Phrae Province, Northern Thailand: Application to Study Gemstone Distribution and Deposition" by Lumjeakroongruang, A., 2003
5. Senior Project title "Coastal landforms and stratigraphy from Phrathong Island, Changwat Phang-nga" by Lansai, C., 2004
6. Senior Project title "Geo-archaeology from Wanakorn Beach, Prachuap Khiri Khan" by Punyadee, W., 2004, co-advisor with Dr. Vichai Chutakositkanon

7. Senior Project title "Sedimentary characteristics of sand dune at Bang Berd, Chumporn" by Prachantasen, N., 2005
8. Senior Project title "Analysis in genesis of sea notch from Sam Roi Yod National Park, Prachuap Khiri Khan" by Dusitarom, A., 2005, co-advisor with Assist. Prof. Veerote Daorerk
9. Senior Project title "Avulsion of part of Chao Phraya River, Changwat Nakhon Sawan" by Tulthaveewat, R., 2005, co-advisor with Mr. Akkaneewut Chabangbon
Best senior project presentation award of Faculty of Science 2005
10. Senior Project title "Salt water intrusion in Hat Yai basin, Changwat Songkhla" by Suriyo, K., 2006
11. Senior Project title "Distribution of benthic foraminifers in the 2004 tsunami sediment from Changwat Ranong, Phang-nga, and Phuket, Thailand" by Techaprittinan, T., 2006, co-advisor with Assist. Prof. Dr. Thasinee Charoentitirat
12. Senior Project title "Sedimentary structures of the 26 December 2004 tsunami deposits from Lamson National Park, Changwat Ranong" by Wongkok, P., co-advisor with Assist. Prof. Dr. Thasinee Charoentitirat
Good senior project presentation award of Faculty of Science 2006
13. Senior Project title "Preliminary investigation for Paleotsunami deposit at Ko Kho Khao, Amphoe Takuapa, Changwat Phang-Nga" by Jittranoon, W., 2006, co-advisor with Dr Kruawan Jankaew
14. Senior Project title "Grain Size Analysis of Paleotsunami Sediments at Ko Phra Thong, Amphoe Takuapa, Changwat Phang Nga" by Phonsit, T., 2008, co-advisor with Dr Kruawan Jankaew.
15. Senior Project title "A comparative study of physical and chemical properties of 2004 tsunami sediments from Lamson National Park, Ranong" by Nudam, C., 2008.
16. Senior Project title "A Preliminary Investigation of Unusual Deposits at Tai Muang Area, Changwat Phang-nga" by Fukphun, J., 2008, co-advisor Dr Vichai Chutakositkanon.
17. Senior Project title "Comparison in Physical Properties of Post Tsunami Beach Sediment Between 2008 and 2006 at Khao Lak Area, Changwat Phang-nga" by Kanchanapatomporn, S., 2008.
18. Senior Project title "2004 Tsunami Movement from Sedimentological Evidence and Satellite Images at Pakarang Cape, Changwat Phang Nga" by Montrisatit, P., 2008.
19. Senior Project title "Benthic Forams in 2004 Tsunami Sediments of Koh Pra Thong Changwat Phang Nga" by Hunyek, W., 2008, co-advisor with Assist. Prof. Dr Thasinee Charoentitirat.
20. Senior Project title "Physical characteristics of typhoon Gay's deposits in the southern part of Changwat Prachuap Khiri Khan" by Kitpanich, H., 2009.
21. Senior Project title "Coastal Geomorphology Changes at Talumpuk Cape, Changwat Nakhon Si Thammarat" by Anuphongpaiboon, N., 2009.
22. Senior Project title "Investigation in suspension movement at the Chaophraya River mouth in 2009 using THEOS satellite images" by Fuangsumruj, S., 2009.
23. Senior Project title "Physical characteristics of storm deposits at Panang Tak Bay, Changwat Chumphorn" by Khongsri, D., 2009.

Abstract and publication in nation conferences and magazine

1. **Choowong, M.**, Sindhusen, S., and Hansawek, R., 1998. Preliminary evaluation on future sapphire prospected areas from Bo Phloi, Kanchanaburi. *Department of Mineral Resource Annual Meeting "Progress and Vision of Mineral Resource"*, January 11-13, pp. 117-193 (in Thai)
2. **Choowong, M.**, Daorerk, V., Charusiri, P., Charoentitirat, T., and Songmuang, R., 2004. Late Holocene sea-level changes in Thailand. *Conference on progressive works in archaeology during Dhavaravadi period*, January 24-25., Songphun Buri Hotel, Suphanburi (in Thai).
3. **Choowong, M.**, Daorerk, V., Charusiri, P., Prapasanobon, N., Chanthasomboon, W., and Songmeung, R., 2003. Geological evidence of sea-level changes from the eastern Thailand, *29th Sciences and Technology Annual Conference*, October 20-22, Khon Kaen University
4. **Choowong, M.** 2007. Hunting the ancient tsunami. *Sarakadee magazine* (December issue), 88-94 (in Thai)

Abstract and posters in international conferences

1. Nakapadungrat, S., Phongprayoon, P., Muangnoicharoen, N, Sutthirat, C., **Choowong, M.**, Charoenmit, J., Kongsawat, K., Nootrapao, N., Seetun, S., Imtem, S. and Madee, T. 1997. Geology of Dan Chang area, Suphan Buri, Central Thailand. *In proceedings of the international conference on Stratigraphy and Tectonic Evolution of Southeast Asia and the South Pacific. Geothai' 97* (abstract).
2. Nakapadungrat, S., Muangnoicharoen, N., Sutthirat, C., **Choowong, M.**, and Sato, Y. 2002. Mesozoic Stratigraphic units in Amphoe Pathiu and Amphoe Tha Sae, Changwat Chumphon. *International Symposium on "Geology of Thailand"*, Department of Mineral Resources, Thailand, August, 2002, pp. 154 (abstract).
3. Songmuang, R., Charusiri, P., Daorerk, V., **Choowong, M.** and Kosuwan, S., 2002. Remote sensing interpretation on the active fault of the Southern Sri Sawat segment, the Sri Sawat Fault, Kanchanaburi. *International Symposium on "Geology of Thailand"*, Department of Mineral Resources, Thailand, August, 2002, pp. 334 (abstract).
4. **Choowong, M.**, Ugai, H, Charusiri, P, Daorerk, V, Charoentitirat, T, Songmeung, R and Ladachart, R., 2004, Stratigraphic records in Holocene coastal deposits from the western part of the Gulf of Thailand, *International Symposium on the Geologic Evolution of East and Southeast Asia*, 8-14 February 2004., Asia Hotel, Bangkok (abstract and poster presentation).
5. Silapanth, P., Charoentitirat, T, and **Choowong, M.**, 2004. Palaeogeography and ancient settlements: A preliminary investigation at Thungsetthi, Changwat, Petchaburi, western Thailand, *International Symposium on the Geologic Evolution of East and Southeast Asia*, 8-14 February 2004, Asia Hotel, Bangkok (abstract and poster).
6. **Choowong, M.**, Charusiri, P., Charoentitirat, T, Chutakositkanon, V, Jankaew, K and Kanjanapayont, P., 2005. 10 minutes shoreline flooded by 26 December 2004 tsunami along the Andaman coast of Thailand. *International Joint Meeting 2005 Japan Earth and Planetary Science (JEPS)*, May, 2005, Chiba, Japan. (abstract and oral presentation)
7. **Choowong, M.**, Murakoshi, N., Hisada, K., Charusiri, P., Charoentitirat, T, Chutakositkanon, V, Jankaew, K and Kanjanapayont, P., 2005. Characteristics of 26 December 2004 tsunami surface sedimentary patterns from the Andaman coast of Thailand. *First International Symposium on Geological Anatomy of East and South Asia: Paleogeography and Paleoenvironment in Eastern Tethys* (IGCP516), October, 2005, Tsukuba, Japan., p. 16 (abstract and oral presentation)

8. **Choowong, M.**, Charusiri, P., Charoentitirat, T., Chutakositkanon, V., Jankaew, K., and Kanjanapayont, P., 2005. 26 December 2004 tsunami sediments from the Andaman coast of Thailand: Preliminary analysis and interpretation. *International Conference on Geology: Geotechnology and Mineral Resources of Indochina (GEOINDO 2005)*, 28-30 November 2005, Khon Kaen, Thailand, p. 540-541 (Extended abstract and oral presentation)
9. **Choowong, M.**, 2005. December 26, 2004 Tsunami Sediments Study from Andaman Coast: Application and Analysis. *Regional Symposium on the 2004 Tsunami Event*, 21-22 November 2005, Bangkok, p. 13-15 (Extended abstract and oral presentation)
10. Brady Rhodes, Kruawun Jankaew, Matthew Kirby, Jennifer Schmidt, and **Montri Choowong.**, 2006, "A Possible Paleotsunami Deposit at Thap Lamu, Southern, Thailand", *Proc. of AGU Fall Meeting 2006, 11-15 December 2006, Monday-Friday* (abstract and oral presentation by Brady Rhodes).
11. Benzoni, F., Basso D., Giaccone, T., Pessani, D., Cappelletti F.S., Leonardi R., Galli P., **Choowong M.**, Di Geronimo S., Robba E, 2006, "Post-tsunami condition of a coral reef in Laem Pakarang (Andaman Sea, Thailand)", *Proc. of International Society for Reef Studies European Meeting* (poster)
12. Phantuwongraj, S., **Choowong, M.**, Charusiri, P., Charoentitirat, T., Chutakositkanon, V., and Yumuang, S, 2006, "Morphology of Andaman coastal region, southern peninsular Thailand: Before/After 26 Dec 2004 tsunami", *Proc. of Quality Status of the Asian-Pacific Coasts (EMECS7) (APN)* (abstract and oral presentation by Punya Charusiri)
13. Tuttle, M, Alam, S, Atwater, B, Charoentitirat, T, Charusiri, P, **Choowong, M**, Fernando, S, Jankaew, K, Jittanoon, V, Kongko, W, Maxcia, C, Pailoplee, S, Phantuwongraj, S, Rajendran, K, Rhodes, B, Srichan, N, Tejakusuma, I, Yulianto, E, 2006. Searching for the pre 2004 tsunami deposit in Thailand. *Eos trans.*, AGU 88 (23) (poster)
14. **Choowong, M.**, Murakoshi, N., Hisada, K., Charusiri, P., Charoentitirat, T., Chutakositkanon, V., Jankaew, K., Kanchanapayont, P., and Phantuwongraj, S., 2007, "Inflow and outflow of the 2004 Indian Ocean tsunami deposits from Thailand", *Proc. of AOGS* (abstract and oral presentation)
15. Phantuwongraj, S., **Choowong, M.**, Charoentitirat, T., et al, 2007, "Shoreline recovery after the 2004 Indian Ocean tsunami from Khao Lak, Thailand", *Proc. of AOGS* (abstract and oral presentation)
16. Jankaew, K., **Choowong, M.**, Charoentitirat, T. et al, 2007, "The pre 2004 tsunami deposits in Thailand", *Proc. of AOGS* (abstract and oral presentation by first author)
17. Jankaew, K., **Choowong, M.**, Charoentitirat, T. et al, 2007, "The pre 2004 tsunami deposits from Thailand", *Proc. of AGU annual meeting* (abstract and oral presentation by first author)
18. Di Geronimo R., Basso D., Violanti D., Rosso A., Sanfilippo R., Sciuto F., Zanini A., Robba E., Benzoni F., De Bortoli L., Mussat Sartor R., Pessani D., Trenkwalder S., Charusiri P., **Choowong, M.**, Vongpanich V., 2007, "Environmental/paleoenvironmental studies on benthic assemblages from SE Asia: balances and perspectives after 20 years of research.", *Proc. of Abstract. 6° Forum Italiano di Scienze della Terra (FIST). GEOITALIA 2007*
19. Basso D. , Benzoni F., De Bortoli L., Di Geronimo I., Mussat Sartor R., Pessani D., Robba E., Rosso A., Sanfilippo R., Mussat Sartor R., Dheeradilok P., Chaimanee N., Charusiri P., **Choowong, M.**, Vongpanich V. , 2007, "Benthic micro- and meiofaunal assemblages as tools of environmental conditions in a tsunami-affected coastal area (Khao Lak, Andaman Sea, Southwestern Thailand).", *Proc. of Abstract. 6° Forum Italiano di Scienze della Terra (FIST), GEOITALIA 2007*

20. **Choowong, M.**, Murakoshi, N., Hisada, K., Charusiri, P., Charoentitirat, T., Chutakositkanon, V., Jankaew, K., Kanchanapayont, P., and Phantuwoongraj, S., 2008. "2004 Indian Ocean Tsunami Inflow and Outflow at, Phuket, Thailand". *EGU conference*, Vienna, Austria (abstract and poster)

Articles in international conferences

1. **Choowong, M.** 2002. The geomorphology and assessment of indicators of sea-level changes to study coastal evolution from the Gulf of Thailand. International *Symposium on "Geology of Thailand"*, Department of Mineral Resources, Thailand, August, 2002., pp. 207-220. (Full article and oral presentation)
2. Phantuwoongraj, S., **Choowong, M.**, and Chutakositkanon, V. 2008. Possible Storm Deposits from Surat Thani and Nakhon Si Thammarat Provinces, the Southern Peninsular Thailand. In M. Choowong and T. Thitimakorn (eds.), *Proceedings of the International Symposium on Geoscience Resources and Environments of Asian Terranes*, Bangkok, Thailand, p. 395-399

Articles in international journals

1. **Choowong, M.** 2002. Quaternary geology and sapphire deposits from the Bo Phloi gem field, Kanchanaburi province, western Thailand. *Journal of Asian Earth Sciences*, Vol. 20 (2), pp. 119-125. (Full paper available online at ScienceDirect)
ISI Impact factor (2008) 1.342
2. **Choowong, M.** 2002. Isostatic models and Holocene relative changes in sea level from the coastal lowland area in the Gulf of Thailand. *Journal of Scientific Research*, Vol. 27, No.1, pp. 83-92.
3. **Choowong, M.** 2002. Coastal sedimentary lithofacies and episodic evolution from the eastern part of Thailand. *Journal of Scientific Research*, Vol. 27, No. 2., pp. 111-129.
4. **Choowong, M.**, Ugai, H., Charoentitirat, T., Charusiri, P., Daorerk, V., Songmuang, R., and Ladachart, R., 2004. Holocene biostratigraphical records in coastal deposits from Sam Roi Yod National Park, Prachuap Khiri Khan, Western Thailand. *The Natural History Journal of Chulalongkorn University*, 4 (2), 1-18
TCI Impact factor (2006) 0.175
5. **Choowong, M.**, Charusiri, P., Murakoshi, N., Hisada, K., Doerer, V., Charoentitirat, T., Chutakositkanon, V., Jankaew, K., Kanjanapayont, P., 2005. Initial report of tsunami deposits in Phuket and adjacent areas, Thailand induced by the earthquake off Sumatra December 26, 2004. *Journal of Geological Society of Japan*, Vol. 111, No.7, XVII-XVIII
6. **Choowong, M.**, Murakoshi, N., Hisada, K., Charusiri, P., 2005. Report on 26 December 2004 Tsunami investigation. *GSJ Newsletter* Vol.8 (May), No.5.
7. **Choowong, M.**, Murakoshi, N., Hisada, K., Charusiri, P., Charoentitirat, T., Chutakositkanon, V., Jankaew, K., and Kanjanapayont, P., 2007, " Erosion and deposition by the 2004 Indian ocean tsunami in Phuket and Phang-nga Provinces, Thailand. ", *Journal of Coastal Research*, Vol. 23, Issue 5, p. 1270-1276. (Abstract available online at <http://www.jcronline.org/>)
ISI Impact factor (2008) 0.517
8. Songmuang, R., Charusiri, P., **Choowong, M.**, Won-In, K., Takashima, I., and Kosuwan, S., 2007. Detecting active faults using remote-sensing technique: a case study in the Sri Sawat area, western Thailand. *ScienceAsia*, 33, p. 23-33.
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2. Phantuwongraj, S., and **Choowong, M.** Tsunami versus storm deposits from Thailand.
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