Post-Graduate Advisory Students and Theses

Supervisor

- Rokiah Suriadi, PhD dissertation completed 2017, Distribution patterns of modern benthic foraminifera and late Quaternary geologic history of the inner shelf of the South China Sea, Peninsular Malaysia. Institute of Oceanography and Environment, Univ. Malaysia Terengganu.

- Noor Azariyah Mohtar, MS thesis completed 2015, Effects of sedimentation on the fatty acid profile of corals: Redang and Bidong islands, Malaysia. Institute of Oceanography and Environment, Univ. Malaysia Terengganu. (Co-Supervisor)

- Noraisyah Sapon, PhD dissertation in progress, Late-Quaternary Sea Level History and Coastal Evolution of Sarawak Coastal Plain and Continental Shelf, Malaysia. Institute of Oceanography and Environment, Univ. Malaysia Terengganu.

- Ani Aiza Ashaari, PhD incomplete, Holocene sea-level changes as recorded by corals in the northeastern and southeastern Peninsular Malaysia regions. Institute of Oceanography and Environment, Univ. Malaysia Terengganu.

Committee Member

- Michael Twarog, MS thesis completed 2018, Holocene geology and multi-proxy paleoenvironmental reconstruction of the Sunda Shelf off the east coast of Peninsular Malaysia. Department of Geological Sciences, East Carolina University.

- Emily Harrison, MS thesis completed 2017, Holocene paleoenvironmental reconstruction of the Sunda Shelf, off northeastern Peninsular Malaysia. Department of Geological Sciences, East Carolina University.

- Devon M. Reed, MS completed 2016, Sedimentological and magnetic susceptibility based reconstruction of the East Asian Monsoon during the late Holocene. Department of Geological Sciences, East Carolina University.

- Haley E. Hindes, MS thesis completed 2016, Holocene paleoclimate reconstruction of the Sunda Shelf (South China Sea) off Peninsular Malaysia. Department of Geological Sciences, East Carolina University.


- Bailey G. Donovan, MS thesis in progress, Holocene sedimentary record from northeastern Malacca Strait. Department of Geological Sciences, East Carolina University.

- Cameron J. Whitley, MS in progress, Holocene paleoclimatic record of the East Asian monsoon from the Sunda Shelf, Malaysia. Department of Geological Sciences, East Carolina University

Professional Reports

- Parham, P. R. 2018, Status of sea-level research in Malaysia and implications for Malaysian coastal zones, Economic Planning Unit, Ministry of Economic Affairs, Prime Minister’s Department, Putrajaya, Malaysia

- Parham, P. R. 2018, Effects of oil spill on wildlife and environment in Tioman islands group rocky coastal zone and Pahang coastal zone and recommendations for remediation, Pahang State Government and Department of Marine Parks Malaysia


- Parham, P. R. 2017, Discovery of late Pleistocene probable shell midden in elevated limestone cave, northern Kedah, Malaysia. Report submitted to Centre for Global Archeological Research (PPAG), Universiti Sains Malaysia
**Grants and Collaborative Research**

**Funding sources**: Malaysian, Indonesian, Philippine and Singapore governments, National Geographic, US National Science Foundation, University of Hong Kong, North Carolina Division of Coastal Management, Duke Energy

- [Parham, P.R.](#) 2017, Discovery of two early mid-Holocene shell midden and rock shelter sites, Langkawi Archipelago, Malaysia. Report submitted to Centre for Global Archeological Research (PPAG), University Sains Malaysia


- [Parham, P.R.](#) 2016, Effects of 2016 oil spill on wildlife and environment in Perhentian islands group rocky coastal zone and Terengganu sandy and rocky coastal zones and recommendations for remediation, Terengganu State Government

- [Parham, P.R.](#) 2016, Recreation, resource and ecotourism potential and development for scenic overlook bamboo hut campground, Bamboo Hut Hideaway investor group, Inanam, Sabah, Malaysia

- [Parham, P.R.](#) 2016, The late Cenozoic relative sea-level highstand record and its implications for ongoing and future effects of relative sea-level change on Malaysian coasts. Malaysian Ministry of Energy, Science, Technology, Environment and Climate Change (MESTECC), and Prime Minister’s Department, Putrajaya, Malaysia, Department of Marine Park Malaysia, Forest Department Sarawak, Board of Trustees of Sabah Parks Department

- [Parham, P.R.](#), Ibrahim, K., Effendy, A.W., Jamilah, M.S., Shazili, N.A.M. 2015. Preliminary evaluation of the effects of runoff from iron mining operations on adjacent environment and golf course, Bukit Besi, Terengganu, Chief Minister, State of Terengganu, Malaysia


- [Parham, P.R.](#) 2010, Discovery of early Colonial pipe stems and Woodland Period pottery on Shackleford Banks, Cape Lookout National Seashore, NC. Report and artifacts submitted to National Parks Service, Cape Lookout National Seashore


- [Parham, P.R.](#) 1987, Ten-year analysis of the Pamlico River erosion monitor stations of Hardaway (1980): Department of Geology, East Carolina University, Greenville, NC.
**Principal Investigator**


**Principal Investigator**


**Principal Investigator**
Late Cenozoic climate and sea-level history of Malaysia region. Minerals and Geoscience Department Malaysia 2012 - 2014

- Assessment of surface and groundwater hydrology and vegetation, Buckridge Coastal Reserve, North Carolina Division of Coastal Management 2010 - 2011

**Principal Investigator**
Stratigraphic evaluation of Buckridge Coastal Reserve sediment system, Tyrrell County, NC: North Carolina Division of Coastal Management 2007 - 2008

**Principal Investigator**
Stratigraphic investigation of the Quaternary section of the Albemarle Embayment, northeastern North Carolina: Division of Research and Graduate Studies, East Carolina Univ. 2006 - 2007

**PhD Dissertation**
The late Quaternary stratigraphy and geologic history of northeastern North Carolina and southeastern Virginia. Supervisors: Stanley R. Riggs, Stephen J. Culver

**Master's Thesis**

**Publication Citations** 179

**Journal Publications**


Parham, P.R., 2015, Sedimentary evolution of Deepwater Horizon/Macondo Oil on sand beaches of the Northern Gulf of Mexico, USA. Open Journal of Ocean and Coastal Sciences 2, 34-47.


Parham, P.R., Riggs, S.R., Culver, S.J., Mallinson, D.J., Burdette, K., Rink, W. J., 2013, Quaternary coastal lithofacies, sequence development and stratigraphy in a passive margin setting, North Carolina and Virginia, USA. Sedimentology 60, 503-547.


Burdette, K.E., Rink, W.J., Mallinson, D.J., Parham, P.R., Reinhardt, E.G., 2010, Geologic investigation and optical dating of the Merritt Island sand ridge sequence, eastern Florida, USA. Southeastern Geology 47, 175-190.


**Book Chapters**

Parham, P.R., in progress, A different kind of sea level history from Malaysia, in Culver, S.J. and Mallinson, D.J. (eds.) Vignettes of Coastal Change: Communicating the Science.

**Manuscripts in Review**


**Manuscripts in Preparation**


Conference Proceedings: Published Abstracts

- **Parham, P.R.,** Roy, K., Horton, B.P., Majewski, J., Komoo, I., 2018 Holocene sea level reconstruction for SE Peninsular Malaysia: 15th GEOS EA Conference, Hanoi, Vietnam, 2018


- **Parham, P.R.,** Horton, B.P., Shaw, T., Meltzner, A., 2017, Rock-encrusting oysters as paleo-sea-level indicators, Southeast Asia: International Geoscience Program Project 639 - Sea Level Change from Minutes to Millennia, St. Lucia, South Africa.


- **Parham, P.R.,** Horton, B.P., Shaw, T., Meltzner, A., 2017, Rock-encrusting oysters as paleo-sea-level indicators, Southeast Asia: International Geoscience Program Project 639 - Sea Level Change from Minutes to Millennia, St. Lucia, South Africa.

- **Parham, P.R.,** Horton, B.P., Shaw, T., Meltzner, A., 2017, Rock-encrusting oysters as paleo-sea-level indicators, Southeast Asia: International Geoscience Program Project 639 - Sea Level Change from Minutes to Millennia, St. Lucia, South Africa.


- Harrison, E., Culver, S., Leorri, E., Mallinson, D., **Parham, P.,** Noor, S.A.M., 2016, Holocene paleoenvironmental reconstruction of the Sunda Shelf, off northeastern Peninsular Malaysia. Abstracts with Programs, Geological Society of America Annual Meeting. Denver, CO, USA.


Hindes, H.E., Culver, S.J., Leorri, E., Mallinson, D.J., Parham, P.R., Shazili, N.A.M. 2014. Late Holocene paleoclimate reconstruction of the Sunda Shelf (South China Sea) off Kuala Terengganu, Peninsular Malaysia, based on magnetic susceptibility of bulk sediment. Abstracts with Programs, Geological Society of America Annual Meeting, Vancouver, BC, Canada.


- Burdette, K.E., Rink, W.J., Mallinson, D.J., Parham, P.R., 2009, Optical dating of Thirteen Mile beach ridge near Apalachacola, northwestern Florida, USA. Abstracts with Programs 20-6, Geological Society of America Southeastern Section Meeting, St. Petersburg, FL.