

การลำดับชั้นหินทางชีวภาพของหินยุคเพอร์เมียนที่เขานองหอยในจังหวัดนครราชสีมา
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**BIOSTRATIGRAPHY OF PERMIAN ROCKS AT KHAO NONG HOI, CHANGWAT NAKHON RATCHASIMA,
WITH REFERENCE TO FOSSIL AMMONOIDS AND FUSULINIDS IN ROCK STRATA**

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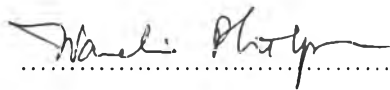
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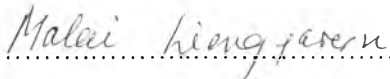
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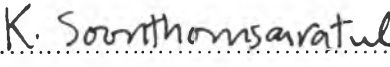
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การวิจัยในครั้งนี้มีวัตถุประสงค์ที่จะศึกษาคุณลักษณะและจำแนกชนิดของแอมโมนอยด์และฟุซูลินิดที่พบในบริเวณ เขานองหอย อำเภอปากช่อง จังหวัดนครราชสีมา เพื่อกำหนดช่วงอายุ และจัดทำลำดับชั้นหินทางชีวภาพ ของบริเวณพื้นที่ศึกษา

แอมโมนอยด์ที่พบในพื้นที่ศึกษาสามารถจำแนกได้ เป็น 10 สกุล 17 ชนิด ดังต่อไปนี้คือ : *Agathiceras* sp.; *Agathiceras mediterraneum* Toumanskaya, 1949; *Adrianites marathonsensis* Bose, 1917; *Adrianites cancellatum* Smith, 1927; *Prostacheoceras pamiricus* (Bogoslovskaya, 1978); *Stacheoceras brunsonorum* Miller and Cline, 1934; *Stacheoceras rothi* Miller and Furnish, 1940; *Stacheoceras mediterraneum* Gemmellaro, 1887; *Perrinites* sp.; *Perrinites tardus* (Miller and Furnish, 1940), Tharalson, 1984; *Perrinites* cf. *hilli* (Smith, 1903), Miller and Furnish, 1940; *Thalassoceras welleri* (Bose, 1917), Miller and Furnish, 1940; *Daraelites* sp.; *Propinacoceras beyrichi* Gemmellaro, 1888; *Propinacoceras americanum* Miller and Warren, 1933; และแอมโมนอยด์อีก 2 สกุลที่อาจจะเป็นชนิดใหม่ คือ *Popanoceras* sp. และ *Parapronorites* sp.

ฟุซูลินิด ที่พบในพื้นที่ศึกษาสามารถจำแนกได้ เป็น 7 สกุล ดังต่อไปนี้คือ : *Robustoschwagerina* sp.; *Parafusulina* sp.; *Pseudofusulina* sp.; *Misellina* sp.; *Pamirina* sp.; *Thailandina* sp.; และ *Quasifusulina* sp.

กลุ่มของฟอสซิลที่พบในที่ศึกษาบ่งอายุสมัย (Stage) Asselian ถึง Roadian กลุ่มของแอมโมนอยด์และฟุซูลินิดที่พบในพื้นที่ศึกษาสามารถจัดแบ่งได้เป็น 3 หน่วยหินทางชีวภาพ (Biozone) ซึ่งเรียงลำดับจากอายุมากไปน้อยได้ดังนี้คือ หน่วยหินทางชีวภาพของ *Robustoschwagerina*, หน่วยหินทางชีวภาพของ *Misellina* และหน่วยหินทางชีวภาพของ *Perrinites*

ภาควิชา.....ธรณีวิทยา.....ลายมือชื่อนิสิต..... *Khamarat Sinitthuroon*
สาขาวิชา.....ธรณีวิทยา.....ลายมือชื่ออาจารย์ที่ปรึกษา..... *April 18/10/2542*
ปีการศึกษา.....2542.....ลายมือชื่ออาจารย์ที่ปรึกษาร่วม..... *Chongpan Chongfahman*

KHAMAWAT SIRITHEERASAS : BIOSTRATIGRAPHY OF PERMIAN ROCKS AT KHAO NONG HOI, CHANGWAT NAKHON RATCHASIMA, WITH REFERENCE TO FOSSIL AMMONOIDS AND FUSULINIDS IN ROCK STRATA. THESIS ADVISOR: ASSIST. PROF. MALAI LIENGJARERN, Ph.D. THESIS CO-ADVISOR: CHONGPAN CHONGLAKMANI, Ph.D. 130 pp. ISBN 974-334-656-2

This research aims at study morphology of ammonoids and fusulinids in order to identify and classify fossils assemblage at Khao Nong Hoi, Amphoe Pak Chong, Changwat Nakhon Ratchasima. The second purpose is to make the range chart and establish the biostratigraphic zonation of the study area.

The ammonoids in the investigated area can be identified into 10 genera 17 species: *Agathiceras* sp.; *Agathiceras mediterraneum* Toumanskaya, 1949; *Adrianites marathonsensis* Bose, 1917; *Adrianites cancellatum* Smith, 1927; *Prostacheoceras pamiricus* (Bogoslovskaya, 1978); *Stacheoceras brunsonorum* Miller and Cline, 1934; *Stacheoceras rothi* Miller and Furnish, 1940; *Stacheoceras mediterraneum* Gemmellaro, 1887; *Perrinites* sp.; *Perrinites tardus* (Miller and Furnish, 1940), Tharalson, 1984; *Perrinites* cf. *hilli* (Smith, 1903), Miller and Furnish, 1940; *Thalassoceras welleri* (Bose, 1917), Miller and Furnish, 1940; *Daraelites* sp.; *Propinacoceras beyrichi* Gemmellaro, 1888; *Propinacoceras americanum* Miller and Warren, 1933; Another 2 genera, *Popanoceras* sp. and *Parapronorites* sp. could possibly be new species.

The fusulinids in the investigated area belong to 7 genera: *Robustoschwagerina* sp.; *Parafusulina* sp.; *Pseudofusulina* sp.; *Misellina* sp.; *Pamirina* sp.; *Thailandina* sp.; and *Quasifusulina* sp.

Most of fossil assemblage in the study area ranges in age from the Asselian to the Roadian. Three biostratigraphic zones can be established by using the following ammonoids and fusulinids as index fossils; *Robustoschwagerina* Biozone, *Misellina* Biozone, and *Perrinites* Biozone respectively in ascending order.

ภาควิชา.....ธรณีวิทยา.....ลายมือชื่อนิติ.....*Khamawat Siritherasas*
สาขาวิชา.....ธรณีวิทยา.....ลายมือชื่ออาจารย์ที่ปรึกษา.....*Malai Liengjarern*
ปีการศึกษา.....2542.....ลายมือชื่ออาจารย์ที่ปรึกษาร่วม.....*Chongpan Chonglakmani*



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