Title : Petrography and Depositional Environment of Sedimentary Rocks at Ban Phai Ngam, Mueang Mai Subdistrict, Chae Hom District, Lampang Province

Author(s) : **1.** Ms. Boontiwa Saenkla **Student ID :** 640510441

Major : Geology

Advisor(s) : **1.** Associate Professor Dr. Yupa Thasod.

Type of presentation* *(choose 1)* **:**

- ☐ **Oral Presentation** (เฉพาะ ตัวแทนนศ.ที่สาขาเลือกให้นำเสนอแบบบรรยาย)
- ☑ **Poster** (กรณี นำเสนอผลงานปัญหาพิเศษ/การค้นคว้าอิสระ)
- ☐ **Cooperative Education** (กรณี นำเสนอผลงานสหกิจศึกษา)

ABSTRACT

At Ban Phai Ngam, Mueang Mai Subdistrict, Chae Hom District, Lampang Province, abundant ammonoid fossils have been documented. To constrain the depositional environment of the associated sedimentary succession, representative rock samples were collected for detailed petrographic analysis and lithological classification. The results show that the rock succession consists of sandstone interbedded with limestone, and sandstone interbedded with shale. The sediments display grading from coarse to fine grain sizes in several sequences. Petrographic examination indicates that the sandstones are lithic dominated, with subordinate quartz and plagioclase, suggesting a volcanogenic source. The limestones are characterized by abundant carbonate grains and bioclasts, including crinoid fragments. Shale intervals also contain diverse fossil assemblages, such as molluscan shells, bryozoans, and crinoids. These sedimentological and paleontological characteristics indicate deposition in a shallow-marine setting along a continental shelf and were influenced by volcanic activity.

**Type of presentation must be matched with an option you choosing on student upload system.*

***The abstract can be more than one page and must be approved by project advisor before upload.*