

reproductive systems is closely similar in all species.

Biochemical study was made using the technique of horizontal starch gel electrophoresis. Genetic variation detected for the enzymes included Aspartate aminotransferase, Alkaline phosphatase, Esterase, Glucose-6-phosphate dehydrogenase, Isocitrate dehydrogenase, Leucine aminopeptidase, Malate dehydrogenase, Malic enzyme, Peptidase, 6-Phosphogluconate dehydrogenase, Phosphoglucose isomerase, Phosphoglucomutase and Xanthine dehydrogenase. The average individual heterozygosity varies widely across species from zero to 0.025. The occurrence of low individual heterozygosity attributed to facultative self-fertilization. Nei's genetic distance (D) was calculated to estimate interspecific divergence. Genetic distance average value of $D < 0.01$ is very low, demonstrating that Thai *Corbicula* are almost identical to one another.

Differences in ecological habitat preference were also noted in this study.

In view of these data, the shell characters can be used to distinguish the bivalves into various species, but typically do not correlate with anatomical characters and genetic data. With the support by anatomical and electrophoretic similarities, a single species concept of Thai *Corbicula* is proposed.