

**GENETIC VARIATION IN POPULATIONS OF FOUR SPECIES OF *SACCOSTREA*
FROM THAILAND, MALAYSIA AND AUSTRALIA MEASURED
BY MEANS OF ISOZYMES**

Somchai Bussarawit¹ and Vibeke Simonsen²

¹*Phuket Marine Biological Center, P.O. Box 60, Phuket 83000, Thailand*

²*National Environmental Research Institute, Silkeborg, Denmark*

ABSTRACT: Thirty individuals of *Saccostrea commercialis* from Sydney, Australia, 56 individuals of *S. cucullata* from two populations in Thailand, 402 individuals of *S. forskali* from 12 populations in Thailand and two in Malaysia, and 82 individuals of *S. mytiloides* from four populations in Thailand were analysed using isozymes. Genetic variability was of the same magnitude in the four species. One locus (*IDH-2*) had species-specific bands. Furthermore, two loci (*GPI* and *PEP(LT)*) were useful for separating *S. forskali* from *S. cucullata* and *S. mytiloides* and the presence of another locus (*MDH-1*) could separate *S. cucullata* from *S. mytiloides*. For two of the species, *S. cucullata* and *S. forskali*, an obvious difference between the Gulf of Thailand and the Andaman Sea, was found.
