

# # 3971412223: MAJOR MARINE SCIENCE

KEY WORDS: TAXONOMY/ THREADFIN/ POLYNEMIDAE

RATIMA KARUWANCHAROEN: TAXONOMY OF THREADFIN (PISCES:  
POLYNEMIDAE) IN THAI WATERS. THESIS ADVISOR: ASSOC. PROF.-WIMON  
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This taxonomic study of threadfins was based on meristic, measure and morphometric comparisons of overall characters was analysed though multivariate discriminant analysis. Specimens were collected from both riverine and marine habitats throughout the country during the 1997-98 period and compared with the reference collections from various Thai museums and academic institutions. At least 17 species belonging to genus *Eleutheronema* and genus *Polynemus* were described. *E. tridactylum* and *E. tetradactylum* inhabits throughout coastal areas. *P. indicus*, *P. microstoma*, *P. plebeius*, *P. kuru*, *P. sextarius*, *P. hexanemus*, *P. heptadactylus*, *P. melanochir* inhabits mainly marine. *P. dubius*, *P. longipectoralis*, *P. multifilis* occurred in both estuarine and freshwater habitats. *P. sheridani*, *P. borneensis*, *P. hornadayi* are newly recorded in Thai waters. And *Polynemus* undescribed species is reported in this recent study as new to science.

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