

Table 2: Examples of calculation formula of some reproductive indicators on selected brachyuran crab species

	Reproductive performance parameter	Calculation formula	Reference
Freshwater crab (<i>Potamonpersicum</i>)	Body mass index	Total weight of crab(including eggs) / carapace width	Akpaniteaku, 2015
	Weight of egg mass	(weight of sample × number of eggs in the ovary) / number of sample	
	Egg mass index (%)	(Weight of egg mass / weight of crab) × 100	
Mud crab (<i>Scylla serrata</i>)	Relative fecundity	Number of eggs extruded / female / batch	Davis et al. 2004
	Total egg mass	Mass of crab at extrusion – mass of crab after hatch	
	Hatching success (%)	(Number of larvae hatched / number of eggs extruded) × 100	
Gazami crab (<i>Portunustrituberculatus</i>)	Berried female successfully hatched (%)	(Number of females successfully hatched / total number of surviving berried females) × 100	Wu et al. 2010
	Female spawned rate (%)	(Number of berried females / total number of surviving females or berried + un-berried females) × 100	
Patagonian stone crab (<i>Platyxanthisdaepatagonicus</i>)	Gonadosomatic indices	Wet weight of the ovary / whole crab wet weight	Dima et al. 2009
	Hepatosomatic indices	Wet weight of the digestive gland / whole crab wet weight	
Chinese mitten crab (<i>Eriocheirsinensis</i>) (<i>E. sinensis</i>)	Weight gain (crab size – body weight) (%)	((Final weight – initial weight) / initial weight) × 100	Chen et al. 2014
	Reproductive effort	(Percentage of egg weight / body weight) × 100	Wu et al. 2009
Blue swimmer crab (<i>Portunuspelagicus</i>)	Fecundity	Total number of the newly hatched larvae (zoea) + total number of un-hatched eggs	Oniam et al. 2012
Blue swimmer crab (<i>P. pelagicus</i>)	Fertilization rate (%)	((Fertilized eggs) / (fertilized eggs + un-fertilized eggs)) × 100	Efrizal et al. 2006