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Biochemical composition in both gender of the spider crab *Schizophrys aspera* (Brachyura: Decapoda), Great Bitter Lake-Suez Canal-Egypt

Nesreen K Ibrahim
Suez Canal University, Egypt

Spider crab *Schizophrys aspera* from Great Bitter Lake, Suez Canal was studied during the spawning season for total edible yield, moisture, total protein, total lipid and total carbohydrate. Gender differences in terMS of total edible yield, muscle yield and GSI yield were compared. Results showed that male muscle yield (32%) was greater than that of female (28%), whereas female GSI (5.7%) was higher than that of male (1.3%). No significant differences in total edible yield between both sexes. Regarding to moisture, it was noticed that the muscle moisture (73.5%) was greater than that of the gonad (69.9 %). Among sexes, it was detected that male muscle moisture (76.5%) and male gonad moisture (73.2%) was greater than that of female (74.9% and 70.1%, respectively). Study of the biochemical composition in spider crab showed that gonad had higher protein, lipid and carbohydrate levels than those of muscle. Among sexes, it was noticed that there is a difference between male and female. Female attained a higher levels of protein, lipid and carbohydrate than male. The present work concludes that muscle and gonad of this crab contain high level of protein and low level of lipid and carbohydrate. These results suggest that spider crab is healthy for human consumption and is also suitable for processing into different crab products.

kadry1339@yahoo.com