



Nutritional Composition of some selected Marine fish and crab meats

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Book Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Crab oil composition and fatty acids | The objectives of this study were to determine the nutrient composition of meat of *Portunuspelagicus* (blue swimming crab), to compare its protein composition with that of some selected fish and to analyze the fatty acid composition of oil extracted from *P. pelagicus*. The meat of male *P. pelagicus* (n=3) was analyzed for protein, fat, moisture and ash contents by proximate analysis. The flesh of the shark (*Caracharhinusspp.*) (n= 3), thalpath (*Istiophorusspp.*) (n=3) were also analyzed for water-soluble protein content. Water-soluble protein fractions were extracted from all three types samples and were further analyzed for their profile, using sodium dodecyl sulphate polyacrylamide gel electrophoresis (SDS-PAGE). Moreover, peptide-mapping was also carried out for the water-soluble protein fraction of all three types of samples. Finally the sub-samples (n=3) of the crab meat samples and commercial fish oil samples (n=3) were also analyzed for fatty acid profile and content, using gas chromatography. | Format: Paperback | Language/Sprache: english | 97 gr | 220x150x3 mm | 60 pp.



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