

## عنوان مقاله:

Study of Constituent components of organic Liver of Pomadasys KaakanFish

## محل انتشار:

همایش ملی پژوهش های کاربردی در علوم و مهندسی (سال: 1392)

تعداد صفحات اصل مقاله: 1

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## خلاصه مقاله:

In this project, Sangsar is the scientific name of Pomadasys Kaakan. The liver oil of the Pomadasys Kaakan for Blight and Dyer extraction method was extracted due to oxidation off at sin the liver being minimal. The fat content of the liver tissue was extracted with chloroform and then with n-butanol was isolated from liver tissue of polarmaterials. To identify organic compounds in chloroform and n-butanol phases with each phase separately concentrated in a vacuum rotary evaporator and then by mass spectroscopy(GC-MS)spectra were measure din isolated parts of compounds. Using spectral data in compare is on with other standard data sources(Eight Peak)and calculates the Kovts index (KI) and comparison with the standard kovts index, natural compounds in chloroform andphase n- butanol was identified. Polar compounds by methanol and non-polar solvent chloroform by were extracted.After evaporation of solvents by Rotary Evaporator, normal hexane extracted. They were dissolved in a solvent and diluted samples prepared from the corresponding two-phase Gas Chromatography with Mass Spectrometry(GC / MS). The mass spectra injection compounds were obtained. Using references(Eight Peak), compounds in chloroform phases were identified in the liver. According to the results of liver chloroform phase 17 materials were identified as the highest percentage(cholesterol)relative to the percentage 48.84 percent which was allocated. In polar phase eight compounds were detected. The highest and relative percentage is about Propyl isocyanides with 2.02%. Fatty acids were identified as follows: – Hexanoic acid -5- Hexanoic acid -Heptanoic acid -Decanoic acid , hexyl ester -1,3,6 – octatriene Formic acid, 2-methylpropyl ester

## کلمات کلیدی:

Extraction, Gas chromatography, Pomadasys Kaakan fish liver oil, Persian Gulf

## لینک ثابت مقاله در پایگاه سیویلیکا:

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