Lipophylic Compounds from *Euphorbia peplis* L. – a Halophytic Plant from the Bulgarian Black Sea Coast

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The chemical composition of the lipophylic fraction from the halophytic plant *Euphorbia peplis* L. was investigated. Compared to other terrestrial higher plants an increase of triacylglycerols and especially of glycolipids was observed. The main phospholipid was phosphatidyl choline, followed by almost equal concentrations of phosphatidyl ethanolamine and phosphatidyl glycerol. A relatively high concentration of phosphatidic acids (6.5% of the total phospholipids) was found. The main sterol appeared to be sitosterol and significant amounts of tetracyclic triterpene alcohols were found. The composition of the volatile compounds is relatively simple and only one chlorinated compound, identified as 2,2-diethoxy-1-chloroethane, was found. There was a strong toxicity of the total lipophylic extract towards *Artemia salina*.

**Key words:** *Euphorbia peplis*, Lipids, Secondary Metabolites