

Chemical Composition and Biological Activities of the Black Sea Algae *Polysiphonia denudata* (Dillw.) Kutz. and *Polysiphonia denudata f. fragilis* (Sperk) Woronich

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The two investigated algae had almost identical sterol composition, but there were significant differences in the composition of the polar components and especially in the composition of the volatiles. *P. denudata f. fragilis* extracts possessed a stronger biological activity (antibacterial, antifungal and toxicity against *Artemia salina*). Despite the minute morphological differences between the two algae, we recommend *P. denudata f. fragilis* to be regarded as *P. denudata* subsp. *fragilis*.