MARINE MACROALGAE A TOOL FOR STUDYING
RADIONUCLIDE AND HEAVY METAL CONTENT IN THE
BLACK SEA

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ABSTRACT:
Radionuclide and heavy metal content have been monitored systematically since 1996 in eleven of the widespread Black Sea macroalgae species from the Bulgarian Black Sea coast by low level gamma spectroscopy and atomic absorption spectrometry. Tendencies in the concentration variations during the studied period are examined and all obtained data give information about different macrophytic species ability to accumulate certain nuclides and trace elements from one and the same sampling location. The obtained data are compared with the results from the regions of the Black Sea, Mediterranean, Tyrrhenian and Atlantic Ocean.

Key words: radionuclides, heavy metals, Black Sea algae

References