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J. Serb. Chem. Soc.00(0) S1-S3 (2024)

SUPPLEMENTARY MATERIAL TO

Chemistry educational outcomes and standards in Serbia and Montenegro. Analysis of the teachers' attitudes and high school students' achievements

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TABLE S-II. Defined learning outcomes for the subject Chemistry, topic "Lipids" per a school

Educational outcomes	
Grammar school in Serbia	Grammar school in Montenegro
-defines lipids according to their ch composition; -states the role of fats, oils and w -recognizes biologically import compounds as reserve building and value compounds; -knows the meaning of essential fatt -knows food sources of biologic important compounds; -connects the structure of lipids properties and roles in living organ	axes; sphingolipids; ant -observes and explains experiments (acid-base hydrolysis of fats, acrolein test, and proving cholesterol); y acids; -writes the chemical formula of cholesterol and describes its important metabolites; ally -analyses the biological role of triacylglycerol, phospholipids and sphingolipids;

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TABLE S-II. Framework formulations of questions from the interview

Questions

Are you informed about educational standards and outcomes? How are you informed about the changes that have occurred during the transition to standards and outcomes-based education? Were teachers sufficiently involved in the process of determining standards and student achievement outcomes? Why do you think so?

From your point of view, what is the main purpose of implementing educational standards and outcomes? What innovations bring the application of educational standards and outcomes? Do you consider the implementation of outcomes and standards as a positive change in the education process? In your opinion, why they are good or bad?

Teaching should enable the realization of the potential of each student. Do educational standards and outcomes enable this? What is the main intention of stating educational standards and objectives? Who do you think is most responsible for fulfilling the defined outcomes and then the standards?

Who benefits from education based on educational standards and outcomes? In what way? Do you think that you are successful/unsuccessful in implementing teaching based on standards and outcomes?

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