**Demographic characteristics of chemistry teachers in Croatia affecting the use of**

**pre-laboratory activities in the classroom**

**Snježana Smerdel1\* and Meliha Zejnilagić Hajrić2**

*1 University of Split, Faculty of Science, Ruđera Boškovića 33, 21000 Split, Croatia*

*2 University of Sarajevo, Faculty of Science, Zmaja od Bosne 33-35, 71000 Sarajevo, Bosnia and Herzegovina*

*\* Corresponding author: E-mail: ssmerdel@gmail.com*

**Appendix 1**

**‘Using the Pre-Laboratory Activities Questionnaire’**

**(UPLAQ) for teachers**

1. **Demographic characteristics**
2. In which Croatian region do you work?
3. Which subjects do you teach?

Chemistry



 Chemistry/biology

 Chemistry/physics



1. What is your gender?

Male

Female

1. What is your age?

Under 30 years old

6. What is the type of your school?

 Primary school

 Vocational school

 High school

30 to 35 years old

36 to 40 years old

41 to 45 years old

46 to 55 years old

Over 55 years old

7. How many years of experience do

you have in teaching chemistry?

 Under 1 year

 1 to 5 years

 6 to 10 years

 11 to 15 years

 16 to 25 years

 Over 25 years

1. What is your education?

 Teacher

 Engineer/educator

1. **Pre-laboratory activities**

Students are prepared for laboratory work by:

1. Reading a pre-lab manual
2. Pre-lab discussion
3. Completing pre-lab worksheets
4. Solving theoretical problems
5. Using audiovisual materials
6. Solving online pre-lab assignments
7. Computer simulations
8. **If you use other types of PLABs not mentioned here, please describe them briefly.**