

Marina Stojanovska

First Name: Marina

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Citizenship/Nationality: Macedonian

Marital Status: married

Date of Birth: September 8, 1979

Place of Birth: Skopje, Republic of Macedonia

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Education:

- **MSc:** Novel experiments in chemistry teaching – a possibility for educational improvement and revival, “Sts. Cyril and Methodius” University, Faculty of Natural Sciences and Mathematics, Institute of Chemistry, Skopje, expected 2007
- **BSc:** Some long-period experiments about certain transport phenomena, “Sts. Cyril and Methodius” University, Faculty of Natural Sciences and Mathematics, Institute of Chemistry, Skopje, 2003

Teaching experience:

Laboratory Exercises:

- *Methods of chemical demonstrations* (Institute of Chemistry, Faculty of Natural Sciences and Mathematics)
- *Methodology of chemistry teaching* (Institute of Chemistry and Biology, Faculty of Natural Sciences and Mathematics)
- *Inorganic chemistry - selected topics* (Institute of Chemistry, Faculty of Natural Sciences and Mathematics)
- *Instrumental chemistry* (Institute of Chemistry, Faculty of Natural Sciences and Mathematics)
- *Instrumental chemistry* (Institute of Biology, Faculty of Natural Sciences and Mathematics)
- *General chemistry for biologists* (Institute of Biology, Faculty of Natural Sciences and Mathematics)
- *Medicinal chemistry* (Faculty of Medicine)
- *Medicinal chemistry for dentists* (Faculty of Medicine)

Theoretical Exercises:

- *Methodology of chemistry teaching* (Institute of Chemistry, Faculty of Natural Sciences and Mathematics)

Professional Experience:

(2005-2007) Young Teacher Assistant: Institute of Chemistry, Faculty of Natural Sciences and Mathematics, "Sts. Cyril and Methodius" University, Skopje, Republic of Macedonia.

(2007-) Teacher Assistant: Institute of Chemistry, Faculty of Natural Sciences and Mathematics, "Sts. Cyril and Methodius" University, Skopje, Republic of Macedonia.

Scientific interest:

- Chemical Education – Demonstration as an essential tool in chemistry teaching
- Chemical Education – Implementation of new strategies for improving chemistry teaching

Published articles:

1. V.M. Petruševski, M. Monković, M. Najdoski, ALTERNATIVE DEMONSTRATIONS OF SLOW PROCESSES II. A VIDEO CLIP OF ONE-DIMENSIONAL WAVES IN THE HYPOCHLORITE–IODIDE–WATER SYSTEM, *The Chemical Educator* **9**, 39–41 (2004).
2. V.M. Petruševski, M. Monković, TRANSPORT PHENOMENA. A MARATHON EXPERIMENT ON A TRANSPORT OF OXYGEN THROUGH WATER: AN EXAMPLE OF A RESEARCH EXPERIMENT ON GAS → LIQUID OSMOSIS, *Bulletin of the Chemists and Technologists of Macedonia* **23**, 197–200 (2004).
3. V.M. Petruševski, M. Taseska, M. Monković, REACTION OF COPPER WITH FUMING NITRIC ACID: A NOVEL LECTURE EXPERIMENT IN PASSIVATION, *The Chemical Educator* **10**, 208–210 (2005).
4. M. Monković, A. Ivanovska, V. M. Petruševski, SYNTHESIS AND SOME QUALITATIVE REACTIONS OF ACRYLIC ALDEHYDE (ACROLEIN), *Bulletin of the Chemists and Technologists of Macedonia*, **23**, 163–166 (2005).
5. V.M. Petruševski, M. Monković, EXOTHERMIC PROCESSES: QUITE OXIDATION OF NO BY OXYGEN – A LECTURE DEMONSTRATION, *Khimiya. Bulgarian Journal of Chemical Education* **14**, 362–366 (2005).

6. V.M. Petruševski, M. Taseska, M. Monković, DEMONSTRATIONS AS A TOOL FOR IRONING-OUT MISCONCEPTIONS: 2. CAN A STRONG ACID BE DISPLACED BY A WEAK ONE?, *The Chemical Education Journal*, **9** (1), 2006.
7. V.M. Petruševski, M. Monković, V. Ivanovski, LASER POINTERS – A TOOL FOR BETTER LECTURE EXPERIMENTS, *Journal of Turkish Science Education*, **3**, 43–51 (2006).
8. V.M. Petruševski, M. Monković, M. Najdoski, ALTERNATIVE DEMONSTRATIONS OF SLOW PROCESSES. III: A DEMONSTRATION AND VIDEO CLIP SHOWING EFFUSION IN LIQUIDS, *The Australian Journal of Education in Chemistry*, **66**, 24–26 (2006).
9. M. Monković, V.M. Petruševski, M. Najdoski, ALTERNATIVE DEMONSTRATIONS OF SLOW PROCESSES IV: VIDEO CLIPS PRESENTING DIFFUSION IN GASES AND LIQUIDS, *The Chemical Educator*, **11**, 259–261 (2006).
10. M. Monković, V.M. Petruševski, M. Bukleski, THE ECONOMIC DEMONSTRATOR: PREPARE IT ONCE, USE IT MANY TIMES. I. CONTINUOUS THERMOCHROMISM IN THE $\text{NO}_2\text{--N}_2\text{O}_4$ SYSTEM – EQUILIBRIUM SHIFTS INDUCED BY TEMPERATURE CHANGES, *Khimiya. Bulgarian Journal of Chemical Education* **15**, 256–264 (2006).
11. V.M. Petruševski, M. Monković, THE REACTION OF MAGNESIUM METAL WITH WATER: A KINETIC STUDY, *Chem NZ*, **104**, 25–27 (2006).
12. V.M. Petruševski, M. Bukleski, M. Monković, THE ECONOMIC DEMONSTRATOR: PREPARE IT ONCE, USE IT MANY TIMES. I. CONTINUOUS THERMOCHROMISM IN AQUEOUS SOLUTIONS OF TRANSITION METAL CHLORIDES, *Khimiya. Bulgarian Journal of Chemical Education*, **16**, 20–28 (2007).
13. M. Monković, V. Ivanovski, V.M. Petruševski, DEMONSTRATIONS AS A TOOL FOR IRONING-OUT MISCONCEPTIONS: 3. A NOTE ON THE REACTION $\text{Pb}^{2+}(\text{aq}) + 2\text{I}^{-}(\text{aq}) = \text{PbI}_2(\text{s})$: EXCEPTIONS FROM A PRIORI EXPECTATIONS, *The Australian Journal of Education in Chemistry*, во печат.
14. V.M. Petruševski, M. Monković, CHEMISTRY OF ALKALI METALS. 1. A SIMPLE SYNTHESIS OF LIQUID K–NA ALLOY AND FEW EXAMPLES OF ITS USE IN THE CHEMISTRY EDUCATION LAB, *Educacion Quimica*, **18**, 114–119 (2007).
15. V.M. Petruševski, M. Monković, B. Šoptrajanov, DEMONSTRATIONS AS A TOOL FOR IRONING-OUT PRECONCEPTIONS: 1. ON THE REACTIONS OF ALKALI METAL SULFATES WITH CONCENTRATED SULFURIC ACID, *The Chemical Educator* **12**, 1–4 (2007).

Proceedings:

1. M. Monkovic, V. M. Petruševski, M. Najdoski, LONG-PERIOD EXPERIMENTS: A POSSIBILITY FOR PRESENTATION, *Proceedings on*

the 5th Congress of pure and applied chemistry for the students of Macedonia, O-6, 23, Skopje, Macedonia, (2003)

2. M. Bukleski, V. M. Petruševski, M. Monkovic, THE ECONOMIC DEMONSTRATOR: PREPARE IT ONCE, USE IT MANY TIMES. I. CONTINUOUS THERMOCHROMISM PHENOMENA, *Proceedings on the 6th Congress of pure and applied chemistry for the students of Macedonia, O-22, 41, Skopje, Macedonia, (2005).*
3. M. Monkovic, V. M. Petruševski, B. Šoptrajanov, CHEMICAL DEMONSTRATIONS IN IRONING-OUT PRECONCERTIONS: 1. REACTIONS OF ALKALI METAL SULFATES WITH CONCENTRATED SULFURIC ACID, *Proceedings on the 5th International Conference of the Chemical Societies of the South-East European Countries, EDU-12, 254, Ohrid, Macedonia, (2006).*

Activities:

- Member of the Organizing Committee of the Fifth Congress of Pure and Applied Chemistry for Students of Macedonia, 2003