PERSONAL INFORMATION

Name	**Dimitrina TODOROVA FOTEVA**
Address	**9, Perperikon str., Sofia 1756, Bulgaria**
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Nationality	Bulgarian
Date of birth	21. 05. 1996

WORK EXPERIENCE

• Dates (from – to)	2016 – now :
• Name and address of employer	Department of Chemical and Pharmaceutical Engineering, Faculty of Chemistry and Pharmacy, Sofia University "St Kliment Ohridski"; 1 James Bourchier Ave., 1164 Sofia;
• Type of business or sector	Scientific research
• Occupation or position held	Ph.D. Student
• Main activities and responsibilities	Performing experiments, processing experimental data and teaching courses (seminars)

EDUCATION AND TRAINING

• Dates (from – to)	2019 – 2021
• Name and type of organisation providing education and training	Faculty of Chemistry and Pharmacy, Sofia University
• Principal subjects/occupational skills covered	Colloidal Systems, Rheology of Dispersion Systems, Surfactants
• Title of qualification awarded	M.Sc. in Disperse Systems in Chemical Technologies

• Dates (from – to)	2015 - 2019
• Name and type of organisation providing education and training	Faculty of chemistry and pharmacy, Sofia University
• Principal subjects/occupational skills covered	Organic chemistry, Inorganic chemistry, Analytical chemistry, Transport phenomena, Colloidal systems, Surfactants
• Title of qualification awarded	B.Sc. in Chemical Engineering and Contemporary Materials

PERSONAL SKILLS AND COMPETENCE

MOTHER LANGUAGE	Bulgarian
OTHER LANGUAGES	**ENGLISH**
• Reading skills	Excellent
• Writing skills	Good
• Verbal skills	Good

TECHNICAL SKILLS AND COMPETENCES

- Determination of zeta-potential of solid particles via electrophoretic light scattering
- Determination of interfacial tension and adsorption via: drop shape analysis (DSA) of pendant and sessile drops; maximum bubble pressure method (MBPM)
- Investigation of interfacial and bulk rheology: oscillating drop method (ODM) by DSA; rotational rheometer and viscosimeter for bulk rheology of liquids and dispersions
- Optical observations of thin liquid films in a horizontal capillary cell
- Characterization of foamability properties: growth and stability of foams by Bartsch test
- Spectral characterization of solutions and suspensions: UV-VIS spectrophotometry
- Determination of cell viability in presence of biocides: aseptic techniques, cultivation and enumeration of bacteria, live/dead assays, colony-forming unit method, agar diffusion method

OTHER SKILLS AND COMPETENCES

TEACHING EXPERIENCE:

10.2022 – now: Seminars, Calculus at Faculty of chemistry and pharmacy, Sofia University

02.2019 – 03.2019: Chemistry classes at National High School of Mathematics and Natural Sciences "Acad. L. Chakalov"

10.2018 – 01.2019: Seminars, Linear Algebra and Analytical Geometry at Faculty of chemistry and pharmacy, Sofia University

ADDITIONAL INFORMATION

PUBLICATIONS

Theses:

2021: M. Sc. thesis, *Biocidal action of quaternary ammonium compounds ± additives on S. aureus and P. aeruginosa*

2019: B. Sc. thesis, *Effect of anionic surfactants on viability of planktonic an adherent S. aureus at short contact times*

PARTICIPATION IN SCIENTIFIC CONFERENCES, RESEARCH AND INDUSTRIAL PROJECTS

Oral talks:

1. D. Foteva, N. Avramov, G. Georgieva, S. Anachkov, P. Kralchevsky, Y. Goranova: *Biocidal action of anionic surfactants*. 2nd National Student's Conference for Pharmaceutical and Chemical Sciences, Sofia, Bulgaria, 4–5 April 2019
2. D. Foteva, N. Avramov, G. Georgieva, S. Anachkov, P. Kralchevsky, Y. Goranova: *Biocidal action of anionic surfactants*. 18th National Student's Chemistry Conference, Sofia, Bulgaria, 15–17 May 2019
3. N. Avramov, D. Foteva, G. Georgieva, S. Anachkov, P. Kralchevsky, Y. Goranova: *Biocidal action of quaternary ammonium compounds*. 18th National Student's Chemistry Conference, Sofia, Bulgaria, 15–17 May 2019
4. D. Foteva, Kr. Perfanova: *Beauty of optics in everyday life*. Youth's Sessions at the 43th National Conference on Physics Education, Blagoevgrad, Bulgaria, 2–5 April 2015

Posters:

1. D. Foteva, I. Pantcheva , S. Tcholakova , S. E. Anachkov: Biocidal action of Zn and syndet against Gram-positive bacteria. 10th Congress of European Microbiologists, FEMS2023, 9-13 July 2023, Hamburg, Germany
2. N. Avramov, G. Georgieva, D. Foteva, Y. Goranova, T. Paunova-Krasteva, S. Anachkov, P. Chandar, J. Carnali, P. Kralchevsky: *Biocidal action of Ag and soap against Staphylococcus aureus*. Combined UNGAP & NordicPOP hands-on Training School, Helsinki, Finland, 23–25 October 2019