

## CURRICULUM VITAE

**Full Name:** Zlatina Georgieva Mitrinova

**Articles in JCR journals:** 8

**Total citations:** 287 (Google scholar)

**h-index:** 6 (Google scholar)

**Institution:** Department of Chemical and Pharmaceutical Engineering

**Official website:** <https://dce.uni-sofia.bg/>

**University website:** <https://www.uni-sofia.bg/index.php/eng>

## ACADEMIC DEGREES

- 2015            PhD Chemistry (Foam formation, rheology and stability), Faculty of Chemistry and Pharmacy, Sofia University, Bulgaria
- 2010            M. Sc. Chemistry, Faculty of Chemistry, Sofia University, Bulgaria
- 2008            B. Sc. Chemistry, Faculty of Chemistry, Sofia University, Bulgaria

## ACADEMIC APPOINTMENTS

- 2008 –            Research associate, Department of Chemical and Pharmaceutical Engineering, Faculty of Chemistry and Pharmacy, Sofia University, Bulgaria

## RESEARCH INTERESTS

Foam formation and stability, foam rheology, effect of antifoams

Surfactants aggregation and surfactant solutions rheology and phase behavior

## TEACHING EXPERIENCE

- 2012– 2021    Bachelor and Master (practical exercises)

## PUBLICATIONS

### Thesis

- 2015    Control of dynamic foam properties by using co-surfactants

### Papers in professional journals (indexed in JCR):

1.Effect of Counter-ion on Rheological Properties of Mixed Surfactant Solutions. **Z. Mitrinova**, H. Alexandrov, N. Denkov, S. Tcholakova, Colloids Surf. A 643 (2022) 128746.

2. Cosurfactants for Controlling The Surface Properties of Diluted Solutions: Interplay with Bulk Rheology of Concentrated Solutions. **Z.Mitrinova**, M.Chenkova, N.Denkov, S.Tcholakova Colloids Surf. A 648 (2022) 129221.

3. Foamability and Foam Stability of Oily Mixtures. T. Arnaudova, **Z. Mitrinova**, N. Denkov, D. Gowney, R. Brenda, S. Tcholakova, *Colloids Surf. A* 653 (2022) 129987.
4. Control of Surfactant Solution Rheology Using Medium-Chain Cosurfactants. **Z. Mitrinova**, S. Tcholakova, N. Denkov. *Colloids Surf. A*, 537 (2018) 173–184.
5. Role of Interactions between Cationic Polymers and Surfactants for Foam Properties. Z. Mitrinova, S. Tcholakova, N. Denkov, K. P. Ananth. *Colloids Surf. A* 489 (2016) 378–39.
6. Surface and Foam Properties of SLES + CAPB + Fatty Acid Mixtures: Effect of pH for C12–C16 Acids. **Z. Mitrinova**, S. Tcholakova, K. Golemanov, N. Denkov, M. Vethamuthu, K.P. Ananthapadmanabhan, *Colloids and Surfaces A: Physicochem. Eng. Aspects* 438 (2013) 186-198.
7. Efficient Control of the Rheological and Surface Properties of Surfactant Solutions Containing C8–C18 Fatty Acids as Cosurfactants. **Z. Mitrinova**, S. Tcholakova, J. Popova, N. Denkov, B. Dasgupta, K.P. Ananthapadmanabhan, *Langmuir* 29 (2013) 8255-8265.
8. Control of Ostwald Ripening by Using Surfactants with High Surface Modulus. S. Tcholakova, **Z. Mitrinova**, K. Golemanov, N. Denkov, M. Vethamuthu, K. P. Ananthapadmanabhan, *Langmuir* 27 (2011) 14807-14819.