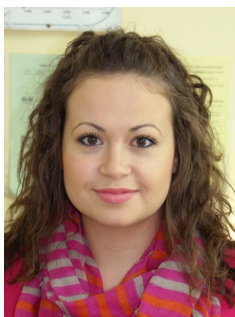


CURRICULUM VITAE



PERSONAL INFORMATION

Name **GAZOLU-RUSANOVA, DILEK FAHRETIN**
E-mail **dg@lcpe.uni-sofia.bg**
Nationality Bulgarian
Date of birth 1 MARCH 1989, RADNEVO, BULGARIA

WORK EXPERIENCE

- Dates (from – to) September 2022 – until now
- Name and address of employer Sofia University “St. Kliment Ohridski”
 - Type of business or sector Chemical Engineering, Colloids and Interface Science
 - Occupation or position held Scientific Researcher R2 project BG05M2OP001-1.002-0012
- Main activities and responsibilities Experimental and theoretical investigations

- Dates (from – to) 2 January 2019 – August 2022
- Name and address of employer Sofia University “St. Kliment Ohridski”
 - Type of business or sector Chemical Engineering, Colloids and Interface Science
 - Occupation or position held Scientific Researcher R1 project BG05M2OP001-1.002-0012
- Main activities and responsibilities Experimental and theoretical investigations

- Dates (from – to) 1 April 2014 – December 2018
- Name and address of employer Scientific Research Center (NIS) at Sofia University “St. Kliment Ohridski”
 - Type of business or sector Chemical engineering
 - Occupation or position held Research Associate
- Main activities and responsibilities Work on projects – experimental and theoretical investigations

- Dates (from – to) 2009 - 2014
- Name and address of employer Sofia University “St. Kliment Ohridski”, Faculty of Chemistry and Pharmacy, Dept. of Chemical and Pharmaceutical Engineering
 - Type of business or sector Chemical engineering
 - Occupation or position held Research Associate
- Main activities and responsibilities Investigations on contact angles, surface energy of solid and fluid surfaces

EDUCATION AND TRAINING

- Dates (from – to) 1 February 2015 – 5 July 2021
- Name and type of organisation providing education and training Sofia University “St. Kliment Ohridski”, Faculty of Chemistry and Pharmacy, Dept. of Chemical and Pharmaceutical Engineering
- Principal subjects/occupational skills covered PhD Student in Physical Chemistry -Macrokinetics

- Dates (from – to) October 2012 – March 2014
- Name and type of organisation providing education and training Sofia University “St. Kliment Ohridski”, Faculty of Chemistry and Pharmacy
- Principal subjects/occupational skills covered Colloid Chemistry; Capillary phenomena; Surface forces, Thermodynamics of surfactants, emulsifiers and wetting agents, Optical and electrokinetic techniques, Rheology of disperse systems

- Title of qualification awarded M.Sc. in Chemistry with specialization in Dispersed Systems in Chemical Technologies
- Dates (from – to) October 2008 – July 2012
- Name and type of organisation providing education and training Sofia University “St. Kliment Ohridski”, Faculty of Chemistry and Pharmacy
- Principal subjects/occupational skills covered Mathematics; Physics; Physical Chemistry; Chemical engineering; Advanced materials; Transport phenomena; Rheology; Chemical kinetics; Thermodynamics; Colloid Chemistry
- Title of qualification awarded B.Sc. of Chemistry with specialization in Chemical Engineering and Advanced Materials

PERSONAL SKILLS AND COMPETENCES

*Acquired in the course of life and career
but not necessarily covered by formal
certificates and diplomas.*

MOTHER TONGUES

Bulgarian, Turkish

OTHER LANGUAGES

ENGLISH (VERY GOOD)

French (Basic)

SOCIAL SKILLS
AND COMPETENCES

B. Sc. course “Transport phenomena”, teaching assistant, 2016-2019, 2021-until now.
B. Sc. course “Transport phenomena”, assistant in workshops, 2015-2019
B. Sc. course “Mechanics of continuous phases and rheology”, assistant in workshops, 2015-2019
B. Sc. course “Basic Mathematics”, teaching assistant, 2015-2017
Supervision of students working on projects

TECHNICAL SKILLS AND
COMPETENCE

Windows software: MS-office, Sigma plot, Origin, Mathematica, Image J

DRIVING LICENCE(S)

Categories B and M

SCIENTIFIC INTERESTS

Colloid systems; Emulsions and Emulsification process; Rheology; Optical microscopy; Interfacial properties; Adsorption, Contact angles

SCIENTIFIC PUBLICATIONS

1. D. GAZOLU-RUSANOVA, F. MUSTAN, Z. VINAROV, S. TCHOLAKOVA, N. DENKOV, S. STOYANOV, J. W.J. DE FOLTER. ROLE OF LYSOPHOSPHOLIPIDS ON THE INTERFACIAL AND LIQUID FILM PROPERTIES OF ENZYMATICALLY MODIFIED EGG YOLK SOLUTIONS. FOOD HYDROCOLLOIDS 99 (2020) 105319; DOI: 10.1016/J.FOODHYD.2019.105319
2. D. GAZOLU-RUSANOVA, I. LESOV, S. TCHOLAKOVA, N. DENKOV, B. AHTCHI. FOOD GRADE NANOEMULSIONS PREPARATION BY ROTOR-STATOR HOMOGENIZATION. FOOD HYDROCOLLOIDS 102 (2020) 105579; DOI: 10.1016/J.FOODHYD.2019.105579

PATENTS

PROCESS FOR PREPARING TRANSPARENT EMULSIONS, B. AHTCHI-ALI, S. TCHOLAKOVA, N. DENKOV, S. TSIBRANSKA, D. GAZOLU-RUSANOVA, PATENT NUMBER: US20210059278A1 / 03.03.2021

TRAININGS AND
SPECIALIZATIONS

1. VISITING RESEARCHER, UNILEVER R&D VLAARDINGEN, THE NETHERLANDS, MAY 2018
2. PARTICIPANT IN BASF CONCEPTUAL ENGINEERING ACADEMY, LUDWIGSHAFEN, GERMANY, 19-21 OCTOBER 2016
3. TRAINING SCHOOL: “INTERFACIAL SCIENCE AND FLUID MECHANICS: FUNDAMENTALS, APPLICATIONS AND ANALYTICAL METHOD”, LONDON, UK, 13-16.04. 2015
4. 1ST TRAINING SCHOOL: “SMART MATERIALS WITH...A GREEN ASPECT”, ENSCHEDE, NETHERLANDS, 23-25.04. 2013
5. WORKSHOP: „DISCUSSION ON HYDRATION FORCES”, SOFIA, BULGARIA, 2-4.04. 2012
VISITING RESEARCHER, SAINT-GOBAIN RECHERCHE, PARIS, FRANCE, 1-30 SEPTEMBER 2011