

## PERSONAL INFORMATION

## Anastasiya Yordanova Zlatkova



 Bulgaria, Sofia, Sveta Troica 366A, A, ap.17

  0884779741

 [dr666chase@gmail.com](mailto:dr666chase@gmail.com)  
[an.zlatkova@ir.bas.bg](mailto:an.zlatkova@ir.bas.bg)

Sex Female | Date of Birth 03/12/1988 | Nationality Bulgarian

## POSITION

## CHIEF ASSISTANT

## WORK EXPERIENCE

Replace with dates (from –to)

Chief assistant in department “Mechatronic bio/technological systems” IR-BAS  
Since 13/10/2021  
Assistant in department “Mechatronic bio/technological systems” IR- BAS  
Since 01/10/2014  
Internship in Laboratories for Quality Control in “Actavis”  
2013

## EDUCATION AND TRAINING

Replace with dates ( from – to)

2021 – successfully defended PhD thesis at MBTS - IR BAS  
2015 - enrolled in PhD studies at MBTS - IR BAS  
2011/2013 Master's program Industrial Biotechnology at the Faculty of Biology, Sofia University, with covered subjects Ecological Biotechnology, Immunobiotechnology,

Cryobiotechnology, Industrial Biotechnology

2007/20011 Bachelor's program Biology at the Faculty of Biology of Sofia University with covered subjects Cellular Biology, Chemistry, Histology and Embryology, Genetics, Cellular regulatory mechanisms, Cytogenetics

2007 passed equivalency exams in English at the Second English Language

High School

2002/2007 secondary education Biology and Biotechnology at the National

High School of Natural Sciences and Mathematics

## PERSONAL SKILLS

Mother tongue Bulgarian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C2
IELTS band 7.5					
Russian	A1	A1	A1	A1	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
Common European Framework of Reference for Language

Communication skills

- good communication skills gained through laboratory work and preparation of joint presentations and projects
- good team work

#### Organisational/managerial skills

- Participation in the Erasmus + mobile program for Braga, Portugal, 2018
- Organizing and participating in the project Support to young scientists ДФНП-89 / 04.05.2016

#### Job-related skills

- Knowledge of modeling biotechnological processes
- Analysis of experimental data
- Identification of models of biotechnological processes and their optimization
- Synthesis of software sensors for monitoring biotechnological processes
- Knowledge of genetic and evolutionary algorithms

#### Digital skills

- good command of Microsoft Office™
- good command of MATLAB™
- work with R-Studio™
- Work with OptFlux

#### ADDITIONAL INFORMATION : PUBLICATIONS AND PROJECTS

1. Zlatkova A., V. Lyubenova, S. Dudin, M. Ignatova (2017). Marker For Switching Of Multiple Models Describing E. coli Cultivation, Comptes rendus de l'Académie bulgare des Sciences, Vol. 70, N° 2, p. 263-272.
2. Petelkov I., V. Lyubenova, A. Zlatkova, V. Shopska, R. Denkova, M. Kaneva, G. Kostov (2016). Encapsulation Of Brewing Yeast In Alginate/Chitosan Matrix: Kinetic Characteristics Of The Fermentation Process At A Constant Fermentation Temperature Comptes rendus de l'Académie bulgare des Sciences Vol. 69, N° 10, p. 1355-1364.
3. Zlatkova A., V. Lyubenova (2017). Dynamics Monitoring of Fed-batch E. coli Fermentation. International Journal Bioautomation, Vol. 21, N° 1, p. 121-132.
4. Zlatkova A., V. Lyubenova, M. Ignatova (2017). Monitoring Of Oxidative-Fermentative physiological States In Fed-Batch E. Coli Fermentation. Proceed. International Conference "AGRICULTURE AND FOOD FOR THE XXI CENTURY" May 11-13, 2017, Sibiu, Romania, p. 25-36. Докладът е изнесен от младия учен Анастасия Златкова.
5. Zlatkova A., V. Lyubenova (2017). Monitoring The Dynamics Of Bioprocesses Using Intermediate Metabolite International Conference "Automatics & Informatics" 4-6 October 2017, p. 231-234.
6. Анастасия Златкова, Велислава Любенова, Мая Игнатова (2016). Разпознаване на физиологични състояния при периодически с подхранване култивиране на E. Coli Първа Национална конференция за докторанти 2016, Пловдивски университет "Паисий Хилендарски", Биологически факултет, 01.11.2016, постер, резюме.
7. Анастасия Златкова, Велислава Любенова (август, 2019). Иновационни подходи за мониторинг на сложни био-процеси, Втори Интердисциплинарен докторантски форум, хотел „Самоков“, Боровец, доклад, награден.
8. Velislava N. Lyubenova, Maya N. Ignatova, Anastasiya J. Zlatkova (2021). ADAPTIVE CONTROL FOR MAXIMUM PRODUCTIVITY OF CONTINUOUS BIOPROCESSES (подадена за печат) 23<sup>rd</sup> International Conference "Material, Methods and Technologies " 2021, 19-22 August, Flora Expo Center, Burgas, Bulgaria
9. Anastasiya Y. Zlatkova, Velislava N. Lyubenova (2021) MONITORING OF THE PHYSIOLOGICAL STATES OF FED-BATCH FERMENTATIONS WITH E.COLI, poster, Seventh International Conference with Youth

Scientific Session and MELiSSA Summer University ECOLOGICAL ENGINEERING AND ENVIRONMENT PROTECTION (EEEP' 2021), 30 September -3 October 2021, Varna, Bulgaria

10. Project KP-06-H3/23 on the topic "Interactive training system for modeling and control of bioprocesses (InSEMCoBio)"

11. Project DFPN-89/04.05. 2016 on the topic: "Innovative method for monitoring the dynamics of processes during cultivation of the Escherichia coli strain" under the program to support young scientists at the BAS