

Autobiography



First name(s) Last name(s) **MARIA TSVETANOVA MONDASHKA (BOYKOVA)**

Address (official) University of Mining and Geology "St. Ivan Rilski",
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Dates 2025 →

Occupation or position held **Assistant**

Name and address of employer University of Mining and Geology "St. Ivan Rilski",
1700 Sofia, Studentski Grad, ul. "Prof. Boyan Kamenov"

Education and training

Dates 2016-2026

The acquired qualification Doctoral degree - specialty "Processes and devices in the chemical and biochemical industry"
Diploma No. 0269/29.05.2026, unified academic number (YE13647)
Professional field 5.10 Chemical technologies

The educational organization University of Chemical Technology and Metallurgy – Sofia,
8 Kliment Ohridski Boulevard, Sofia, 1797

Dates 2013 - 2015r.

The acquired qualification Master - Chemical Engineering/Chemical Engineer

The educational organization University of Chemical Technology and Metallurgy – Sofia,
8 Kliment Ohridski Boulevard, Sofia, 1797

Dates 2011 - 2012 r.

The acquired qualification Master - Industrial Management/Engineer Manager

The educational organization University of Chemical Technology and Metallurgy – Sofia,
8 Kliment Ohridski Boulevard, Sofia, 1797

Dates 2007 - 2011 r.

The acquired qualification Bachelor - Industrial Management/Engineer Manager

The educational organization University of Chemical Technology and Metallurgy – Sofia,
8 Kliment Ohridski Boulevard, Sofia, 1797

Dates 2011 - 2013 r.

The acquired qualification Financial Management/Financial Management Specialist - Postgraduate Qualification

The educational organization University of Chemical Technology and Metallurgy – Sofia,
8 Kliment Ohridski Boulevard, Sofia, 1797

Dates 2009 - 2013 r.

The acquired qualification Teacher of General Technical and Special Subjects - Additional Qualification "Teacher"
The educational organization University of Chemical Technology and Metallurgy – Sofia,
8 Kliment Ohridski Boulevard, Sofia, 1797

Foreign language(s) English

Self-assessment
European level (*)

Understanding				Speaking				Writing	
Listening		Reading		Participating in a conversation		Individual oral presentation			
B2	Independent proficiency level	B2	Independent proficiency level	B1	Independent proficiency level	B1	Independent proficiency level	B1	Independent proficiency level

Professional information and applications

Areas of professional and scientific interests

5.10. Chemical technologies (Processes and apparatus in chemical and biochemical technology)

Scientific publications that are referenced and indexed in global secondary literature sources

- Maria Boykova, Ilonka Saykova, Iliyan Trayanov, Solubilities of bioactive compounds from Hyperici herba in aqueous alcoholic solvent mixtures, Scientific Works of UFT–Plovdiv , 2019, v. 66 (1)
- Saykova ^{1*}, I. Trayanov ^{1,2}, M. Boykova ¹, N. Stoilova ³, M. Funeva-Peycheva ³, Organic solvent nanofiltration of extracts from Hypericum Perforatum L.: effect of variable feed composition on rejection and flux decline, Department of Chemical Engineering, Faculty of Chemical and System Engineering, University of Chemic, 2020, Volume 52, Issue (pp. 525-531), Sofia

Reports in scientific forums

- Maria Boykova, Ilonka Saykova, Iliyan Trayanov, Solubilities of bioactive compounds from Hyperici herba in aqueous alcoholic solvent mixtures, 66th Scientific Conference with International Participation "Food Science, Engineering and Technology - 2019", October 11-12, 2019, Plovdiv
- Maria Boykova, Ilonka Saykova, Intensification of ultrasounic extraction of active compounds from hypericum perforatum using bio-solvents, III-National Student Conference on Pharmaceutical and Chemical Sciences, October 5-6, 2022, Sofia
- Mariya Mondashka, Enrichment of vegetable oils with valuable compounds from Hupericum Rerforatum through tradicional and ultrasound-assisted maceration: Differences in extraction capabilities and stability, 71st Scientific Conference with International Participation "Food Science, Engineering and Technology - 2024", October 24-25, 2024, Plovdiv

Poster presentations	• Maria Mondashka, Ilonka Saykova, Iliyan Trayanov, "Study of flow and attenuation in the nanofiltration extract <i>Hipericum Perforatum</i>", XIII Scientific poster session for young doctoral students and scientists, May 20, 2016 • <u>M. Boykova</u>, I. Trayanov, A. Slavchova, I. Saykova, Modeling the Solubility of active phytocompounds in bio-based solvents using Hansen Solubility Parameters, XV Scientific poster session for young doctoral students and scientists, 23 may 2018 • I. Trayanov, <u>M. Boykova</u>, B. Marchev, I. Saykova, A diffusion limited extraction kinetics model with polydispersity in size and shape of vegetable raw materials, XV Scientific poster session for young doctoral students and scientists , 23 may 2018 • <u>M. Boykova</u>, I. Saykova, Impact of ultrasound power on the recovery of valuable compounds from hyperici herba and their stability in ultrasonic fields, XVII Scientific poster session for young doctoral students and scientists, 26 june 2020
Other professional skills and Competencies	Proficiency in Microsoft Office (Word, Excel, PowerPoint, working in the Internet space, etc. Certificate No. aljSZwL22N /23.05.2026 FOR ACQUIRED BASIC LEVEL OF DIGITAL COMPETENCE levels 1-2 according to the European Digital Competence Framework (DigComp); Certificate No. 5oUUq9tXBF /29.08.2026 FOR ACQUIRED INTERMEDIATE LEVEL OF DIGITAL COMPETENCE levels 3-4 according to the European Digital Competence Framework (DigComp)
Driver's license	Category B since 2012

