

PROFESSIONAL AUTOBIOGRAPHY

First name, Surname	MAYA LYUBENOVA TOMOVA
Address (office)	University of Mining and Geology "St. Ivan Rilski", Faculty of Geoexploration, Department of "Applied Geophysics", 1700 Sofia, Bulgaria, Studentski Grad, Prof. Boyan Kamenov Street, http://www.mgu.bg
Phone	02/8060556
E-mail	maya.grigorova86@gmail.bg, maya.grigorova@mgu.bg
Dates	2023 →
Position (currently)	Head of Department "Applied Geophysics"
Name and address of employer	University of Mining and Geology "St. Ivan Rilski", 1700 Sofia, Bulgaria, Studentski Grad, Prof. Boyan Kamenov Street, http://www.mgu.bg
Dates	2020 - 2023
Position (currently)	Associate professor, Department "Applied Geophysics"
Name and address of employer	University of Mining and Geology "St. Ivan Rilski", 1700 Sofia, Bulgaria, Studentski Grad, Prof. Boyan Kamenov Street, http://www.mgu.bg
Dates	2015 →
Position (currently)	Assistant professor, Department "Applied Geophysics"
Name and address of employer	University of Mining and Geology "St. Ivan Rilski", 1700 Sofia, Bulgaria, Studentski Grad, Prof. Boyan Kamenov Street, http://www.mgu.bg
Dates	2010 - 2015
Position (currently)	Geophysicist
Name and address of employer	Reximseis, 1680 Sofia, Bulgaria Blvd. 60B, floor 2, office 3, http://www.reximseis.com/
Education and training	
Dates	02.2015
Acquired qualification	Educational and scientific degree "Doctor", professional direction 4.4. Earth Sciences, scientific specialty "Methods and Techniques of Geological Research"
Educational institution	University of Mining and Geology "St. Ivan Rilski", Faculty of Geoexploration, Department of "Applied Geophysics"
Dates	2012 – 2015
Acquired qualification	Educational and scientific degree "Doctor", full-time PHD student at the Department of "Applied Geophysics", scientific specialty "Methods and techniques of geological research", defended dissertation with the title: "Technology for creating velocity models for depth migration before stack using seismic tomography", Diplom No. 41 of 20.02.2015
Educational institution	University of Mining and Geology "St. Ivan Rilski", Faculty of Geoexploration, Department of "Applied Geophysics"
Dates	2012
Acquired qualification	Master's degree in "Petroleum Geophysics"
Educational institution	University of Mining and Geology "St. Ivan Rilski", Faculty of Geoexploration, Department of "Applied Geophysics"

Dates	2010																																																		
Acquired qualification	Bachelor of Applied Geophysics.																																																		
Educational institution	University of Mining and Geology "St. Ivan Rilski", Faculty of Geoexploration, Department of "Applied Geophysics"																																																		
Foreign languages	English language, German language, Russian language																																																		
Self-assessment																																																			
<i>European level (*)</i>																																																			
English language																																																			
German language																																																			
Russian language																																																			
	<table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Conversation</th> <th colspan="2">Independent oral presentation</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>C1</td> <td>Fluency level</td> <td>C1</td> <td>Fluency level</td> <td>C1</td> <td>Fluency level</td> <td>C1</td> <td>Fluency level</td> <td>C1</td> <td>Fluency level</td> </tr> <tr> <td>A2</td> <td>Basic level</td> <td>A2</td> <td>Basic level</td> <td>A2</td> <td>Basic level</td> <td>A2</td> <td>Basic level</td> <td>A2</td> <td>Basic level</td> </tr> <tr> <td>A1</td> <td>Basic level</td> <td>A1</td> <td>Basic level</td> <td>A1</td> <td>Basic level</td> <td>A1</td> <td>Basic level</td> <td>A1</td> <td>Basic level</td> </tr> </tbody> </table>	Understanding				Speaking				Writing		Listening		Reading		Conversation		Independent oral presentation				C1	Fluency level	C1	Fluency level	C1	Fluency level	C1	Fluency level	C1	Fluency level	A2	Basic level	A2	Basic level	A2	Basic level	A2	Basic level	A2	Basic level	A1	Basic level	A1	Basic level	A1	Basic level	A1	Basic level	A1	Basic level
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	(*)Common European criteria for knowledge of languages																																																		
	- BRITANICA Cambridge ESOL Centre, Сертификат № 116BG0085144																																																		
Professional information and applications																																																			
Professional interests:	<ul style="list-style-type: none"> ❖ Seismic research for oil and gas exploration; ❖ Development of geophysical methods for optimization of open pit mining activities; ❖ Development of algorithms and programming with JavaScript and C# technologies; 																																																		
Membership in professional and industry organizations	<ul style="list-style-type: none"> ▪ Society of Exploration Geophysicists (2008) ▪ Organizing and Executive Committee of the XV Balkan Mineral Processing Congress (2013) ▪ Bulgarian Geophysical Society ▪ Bulgarian Geological Society 																																																		
Publications	Author and co-author of over 47 publications in specialized international peer-reviewed and Bulgarian scientific publications and collections. Author of a monograph - 1, student book - 1, book – 1.																																																		
Projects	Participant, leader and coordinator of more than 13 national and international projects.																																																		
Participation in scientific sessions and congresses	<p>Chair of International Scientific Sessions:</p> <p>7th Congress of Balkan Geophysical Society, October 7-10, Tirana, Albania, 2013; International Scientific Conference "Geobalkanica", 2015-2020; 8th Congress of Balkan Geophysical Society, 5 - 8 October, Chania, Greece, 2015; International scientific conferences of University of Mining and Geology "St. Ivan Rilski", 2016 - 2019. 7th International Conference on Technology, Engineering and Science (IConTES), 16-19 November, 2023, Antalya, Turkey. 6th International Conference on Research in Engineering, Technology and Science (ICRETS), 22 – 25 August, 2024, Tashkent, Uzbekistan.</p> <p>Participation in scientific sessions and congresses in Bulgaria:</p> <p>International scientific conferences of University of Mining and Geology "St. Ivan Rilski", 2012 - 2024; The national scientific conference with international participation of the Bulgarian Geological Society (BGD) "Geosciences 2012", Sofia, Bulgaria; "Physics Days", Technical University, Sofia, Bulgaria, 2012-2017; XV Balkan Mineral Processing Congress, Sozopol, Bulgaria, 2013; III National Conference with International Participation "Ecological Engineering and Environmental Protection", Sofia, Bulgaria, 2013; IV International Scientific and Technical Conference Geology and Hydrocarbon Potential of the Balkan - Black Sea Region, St. Konstantin and Elena, 2013; VII National conference on geophysics "Geophysics 2015";</p>																																																		

XXV International Symposium "Modern technologies, education and professional practice in geodesy and related fields", November 5-6, Sofia, 2015.

Participation in scientific sessions and congresses abroad:

7th Congress of Balkan Geophysical Society, October 7-10, 2013, Tirana, Albania;
International Scientific Conference "Geobalkanica", 2015-2020;
8th Congress of Balkan Geophysical Society, 5 - 8 October, 2015, Chania, Greece.
7th International Conference on Technology, Engineering and Science (IConTES), 16-19 November, 2023, Antalya, Turkey.
6th International Conference on Research in Engineering, Technology and Science (ICRETS), 22 – 25 August, 2024, Tashkent, Uzbekistan.

Other professional competencies

Academic supervisor of successfully graduates students.
Reviewer of theses, study programs, research projects, scientific publications, etc.
Participant in an expert committee for technical inspection of an Integrated Mining Waste Storage Facility.
Participant in an expert committee at Bulgarian Energy Holding on energy resources in Bulgaria's water area.
"Best Presentation of a Young Scientist" Award at the VIII Balkan Geophysical Congress, October 5-8, 2015, Chania, Greece.
Certificate for active participation as a project manager "Creation of a training ground for drilling-geophysical and hydrogeological practical training on the territory of the University of Mining and Geology "St. Ivan Rilski".
Award for overall contribution to the organization and conduct of the XV Balkan Mineral Processing Congress, 12-16.06.2013, Sozopol, Bulgaria;
Development of new curricula, lecture courses and exercises in the disciplines:
- Geophysical survey methods for the purposes of open-pit mining;
- Geophysical methods in geoecology;
Organizer and participant in student practices funded by the American Society of Exploration Geophysicists (SEG) together with the University of Mining and Geology "St. Ivan Rilski"

Specializations

Specialized training in "Reservoir Geology and/or Logging Data Analysis", June 01-05, 2015, Sofia University "St. Kliment Ohridski";

Research activity in the field of:

- Seismic data processing and interpretation;
- Engineering geophysics;
- Increasing the efficiency of blasting activities and excavation mechanization in open-pit mining, by means of geophysical methods;
- Application of geophysical methods for monitoring and evaluation of mining waste storage facilities;
- Application of geophysical methods in the search and exploration of minerals;
- Application of geophysical algorithms to increase efficiency in the extraction of ore and non-ore minerals.

Lecturer in academic disciplines:

For "Bachelor" degree:

"Seismic methods in geophysics", specialty "Applied geophysics" full-time and part-time form of education, Faculty of Geoexploration, University of Mining and Geology "St. Ivan Rilski";
"Algorithms and programming of geophysical tasks", specialty "Applied geophysics" full-time and part-time form of education, Faculty of Geoexploration, University of Mining and Geology "St. Ivan Rilski";
"Drilling Geophysics", specialty "Applied geophysics" full-time and part-time form of education, Faculty of Geoexploration, University of Mining and Geology "St. Ivan Rilski";
"Fundamentals of Geophysics", specialty "Applied geophysics" full-time and part-time form of education, Faculty of Geoexploration, University of Mining and Geology "St. Ivan Rilski";

For the "Master's" degree:

"Geophysical survey methods for the purposes of open-pit mining", specialty "Open-pit development of minerals" and "Mining of non-mineral minerals", full-time and part-time form of education, Faculty of Mining Technology, University of Mining and Geology "St. Ivan Rilski";

Summary of scientific activity:

Rilski";

"Petroleum Geophysics", specialty "Petroleum Geophysics", full-time and part-time study, Faculty of Geoexploration, University of Mining and Geology "St. Ivan Rilski";

"Pre-processing and graphical presentation of geophysical data", specialty "Exploration geophysics" and "Applied geophysics" full-time and part-time form of education, Faculty of Geoexploration, University of Mining and Geology "St. Ivan Rilski";

Participation in the organization and scientific forums

- ❖ Member and scientific secretary of the XV Balkan Mineral Processing Congress, Sozopol, Bulgaria, 12-16.06.2013.

Participation with 33 reports in 22 international scientific forums;

Three printed editions:

- ❖ Monograph
- ❖ Students book (methodical guide)
- ❖ Book

Over 47 publications in Bulgarian and English in peer-reviewed publications or in refereed and indexed publications - as first author: 37, - independent publications: 30.

Participation in the development of more than 13 scientific-research and scientific-applied projects over the past 10 years, 1 of which is international.