

## Curriculum Vitae

**First name(s) / Surname(s)** PAVEL EVSTATIEV PAVLOV

**Address (business)** University of Mining and Geology "St. Ivan Rilski", 1, Boyan Kamenov str., Studentski Grad, Sofia

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### Work experience

**Dates** Since 2020

**Position (at present)** **Head of the Underground Construction Department**

**Name and address of employer** University of Mining and Geology "St. Ivan Rilski", Faculty of Mining Technology, 1, Boyan Kamenov str., Studentski Grad, Sofia

**Dates** 2011-2020

**Occupation or position held** **Vice Rector for Research Activity**

**Name and address of employer** University of Mining and Geology "St. Ivan Rilski", 1, Boyan Kamenov str., Studentski Grad, Sofia

**Dates** Since 2018

**Position (at present)** **Professor in the scientific specialty "Mining Construction", code 02.08.06., awarded by a specialised scientific committee in mining sciences**

Underground Construction Department

**Name and address of employer** University of Mining and Geology "St. Ivan Rilski", Faculty of Mining Technology, 1, Boyan Kamenov str., Studentski Grad, Sofia

**Dates** 2008-2018

**Occupation or position held** **Associate Professor in the scientific specialty "Mining Construction", code 02.08.06., awarded by a specialised scientific committee in mining sciences at the Higher Attestation Commission**

Underground Construction Department

**Name and address of employer** University of Mining and Geology "St. Ivan Rilski", Faculty of Mining Technology, 1, Boyan Kamenov str., Studentski Grad, Sofia, Bulgaria

### Education and training

**Dates** 2002-2006

**Title of qualification awarded** **Ph.D. in the scientific specialty "Mining Construction", code 02.08.06., awarded by a specialised scientific committee in mining sciences at the Higher Attestation Commission,, Diploma № 30 712 / 24.07.2006**

**Educational institution**

University of Mining and Geology "St. Ivan Rilski", Faculty of Mining Technology,  
Underground Construction Department

**Dates**

1991 – 1994

**Title of qualification awarded**

**Qualification "Engineering Pedagogue", course of studies: Engineering Pedagogy**

**Educational institution**

Free Faculty, University of Mining and Geology "St. Ivan Rilski",

**Dates**

1989 –1994

**Title of qualification awarded**

**M.Sc., Engineer, Course of studies: Development of Mineral Resources,  
Specialization in Mining Construction**

**Educational institution**

University of Mining and Geology "St. Ivan Rilski", Faculty of Mining Technology

**Mother tongue(s)**

**Bulgarian**

**Other language(s)****Self-assessment**

*Common European Framework of  
Reference for Languages*

**German****Russian****English****Serbo-Croatian**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Listening		Reading	
C2	Proficient level	C2	Proficient level	C2	Proficient level	C2	Proficient level	C2	Proficient level
C2	Proficient level	C2	Proficient level	C2	Proficient level	C2	Proficient level	C2	Proficient level
A2	Basic level	A2	Basic level	A2	Basic level	A2	Basic level	A2	Basic level
C1	Proficient level	C1	Proficient level	C1	Proficient level	C1	Proficient level	C1	Proficient level

**Professional information****Professional and Research interests**

Tunnel Design and Construction  
Metropolitan Construction  
Ecology in the field of mining

**Patents and Inventions**

**Co-author of three patents related to the creation of appropriate composite materials to be used in the underground construction and in the construction of waste dumps:**  
Draganov L., **Pavlov P.** Patent № 64 586 B1 – Method for Adsorption Degradation of Petroleum Products in Chemical Treatment of Contaminated Soils. Patent Office, Republic of Bulgaria, 31 August 2005.

**Pavlov P.**, Draganov L., T. Detlev, R. Azam. Patent № 64 158 – Hydro-insulation Composite Material. Patent Office, Republic of Bulgaria, 27 February 2004.

Draganov L., **Pavlov P.**, Zaharieva P., Halachev N., Nazurski D. Patent № 107 989. Composite Material for Covering Cinder Dumps at TPP, Waste Dumps and Creation of Padding Layers for Roads and Sites. Submitted at the Patent Office, Republic of Bulgaria, in July 2003 and approved for publication on 02 October 2007.

**Membership in professional and trade organisations**

Scientific and Technical Unions of Mining, Geology and Metallurgy  
Standing Committee in Ecology at the Bulgarian Chamber of Mining and Geology, Bulgaria  
Expert Committee on Science, Technologies and Innovations at Sofia Municipality, Bulgaria  
Monitoring Committee of the Operational Programme "Regions in Growth" 2014-2020, Ministry of Regional Development and Public Works, Republic of Bulgaria  
Board of Directors of the Bulgarian Association for Production of Inert Materials /BAPIM/  
Expert Councils at Metropolitan JSC, Sofia  
International Society of Rock Mechanics  
International Society of Mining Professors

	<p>More than 110 scientific publications in the field of mining and underground construction, construction of undergrounds and waste dumps.  Over 50 scientific publications published abroad in renowned international scientific journals with high rating as well as journals in Austria, Germany, Russia, Romania and Turkey.  Publications cited by Scopus and Clarivate Analytics.  Referred publications by VINITI Reference Journal, Russia  A number of the publications have been cited by other authors. The list with noted citations of scientific publications includes citations in renowned foreign and Bulgarian sources. Some of them are with high impact factor IF-1.803 Journal Citation Reports (Clarivate Analytics, 2017)</p>
<b>Publications</b>	<p>Author of the textbook “Technological Schemes for Driving Horizontal Mining Workings”.  Author of the monography “Mining and Underground Construction”.  Author and co-author of following textbooks and handbooks: “Design of Underground Pits”, “Soil Disturbances by Industrial and Mining Activities and Methods for Recovering”, “Reclamation of Lands Disturbed by the Mining and Processing of Mineral Resources”, “Technological Solutions for Reclamation of Disturbed Lands and Soils”, “Dictionary of Terms Related to Plastics”.  Peer reviewer of the textbook “Underground Construction” with author Prof. Lyuben Totev, Publishing house at UMG “St. Ivan Rilski”, 2011, ISBN: 978-954-353-151-6.  Co-publisher of the Collected Scientific Papers from the International Scientific Conference “Mining Science and Geotechnics – European Challenge”, Sofia, 2009.</p>
	<p>Project Manager of research projects within the Fund for Scientific Research and the Ministry of Education and Science: 3  Project Manager of scientific and research projects: 12  Participation in other scientific projects: 7  Project Manager of education projects: 4  Participant in projects: 13</p>
<b>Participation in scientific sessions, conferences and congresses</b>	<p>Chairperson of seven Organizational Committees of international scientific conferences.  Participation in twelve international scientific committees for organization and conducting of international fora and scientific conferences.  Papers presented at more than 25 international conferences – in Germany, Austria, Russia, etc.  Numerous papers presented at international conferences in Bulgaria.</p>
<b>Specialisation abroad</b>	<p><b>Date</b> 10.2002-02.2003  <b>Institution</b> Institute for Sustainable Waste Management and Technology. University of Mining. Leoben, Austria  <b>Date</b> 09.2001-02.2002  <b>Institution</b> Institute for Sustainable Waste Management and Technology. University of Mining. Leoben, Austria  <b>Date</b> 2004  <b>Institution</b> TU – Bergakademie, Freiberg, Germany</p>
<b>Other professional skills</b>	<p><b>Lecturing activity:</b>  Lectures and seminars in Mining Construction.  Lectures and seminars in Mining Technologies.  Lectures and course project in Tunnel Mining Construction (Metropolitans).  Lectures and seminars in Construction of Underground Facilities.</p>

Lectures and seminars in Waste Dumps and Soil Remediation.  
Lectures and seminars in Underground Construction in Populated Areas.  
Visiting Lecturer at TU – Bergakademie, Freiberg, Germany.  
Visiting Lecturer at University of Mining. Leoben, Austria.

**Diploma students and doctoral students:**

Supervisor of dozens of diploma students.  
Supervisor of dozens of doctoral students.  
Supervisor of dozens of foreign diploma students from TU – Bergakademie, Freiberg, Germany, who have practical training and elaborate their diploma theses in Bulgaria.

**Participation in scientific councils and scientific and expert committees:**

Participation in scientific committees for acquiring the academic positions chief assistant professor, associate professor and professor.  
Participation in scientific committees for acquiring the scientific degree “Doctor of Science”.

**Participation in editorial boards and editing activity:**

Editor-in-chief of the annual with scientific papers from international scientific conferences held at the University of Mining and Geology “St. Ivan Rilski”, Sofia. This is a Bulgarian scientific journal, included in the world database, indexed and referred by the VINITI Reference Journal, Russia.  
Member of the editorial board of the journal “Mining and Geology”, ISSN 0861 – 5713, Sofia, Bulgaria.  
Member of the editorial board of “Springer Journals - Editorial Office Geotechnical and Geological Engineering”, publishing house “Springer”.  
Member of the editorial board of “Revista Minelor Mining Revue”, an International Journal of Mining and Environment, Romania.

**Expertise statements’ preparation:**

A number of expertise statements in the field of underground and metro construction.

**Awards and ranks:**

Meritorious Miner of TU – Bergakademie, Freiberg, Germany, Diploma – “Miner’s smock”, 2015.  
Honorary gold rank from TU – Bergakademie, Freiberg, Germany, 2023.