

**CURRICULUM VITAE**

**First name(s) / Surname(s) ZDRAVKA GEORGIEVA MOLLOVA**

**Address (business)** University of Mining and Geology “St.Ivan Rilski”, https://mgu.bg/en/

1700 Sofia, Bulgaria, Studentski grad, Prof. Boyan Kamenov Str.

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**E-mail** [z.mollova@mgu.bg](mailto:z.mollova@mgu.bg)

**Dates** 2021 →

**Positions (at moment)** Chief Assistant Professor

**Name and address of** University of Mining and Geology “St. Ivan Rilski”,

**employer** 1700 Sofia, Bulgaria, Studentski grad, Prof. Boyan Kamenov Str.

**Dates** 2014 →

**Positions (at moment)** Senior Expert

Higher Center for Training Personnel in Explosive Works.

**Name and address of** University of Mining and Geology “St. Ivan Rilski”,

**employer** 1700 Sofia, Bulgaria, Studentski grad, Prof. Boyan Kamenov Str.

# Education and training

**Dates** 2018г.-2021г.

**Title of qualification awarded** Educational and Scientific degree "Doctor" (PhD), Diploma № 106/28.05.2021;

Scientific specialty “Вlasting equipment and technology – production of blasting materials”,

Professional field 5.7. „Architecture, civil engineering and geodesy“

**Educational institution** University of Mining and Geology “St. Ivan Rilski”, Faculty of Mining Technologies

Department оf Underground Construction,

1700 Sofia, Bulgaria, Studentski grad, Prof. Boyan Kamenov Str.

**Dates** 2014г.–2016г.

**Title of qualification awarded** Master's Degree in National Security and Defense

**Educational institution** National Defence College „G. S. Rakovski",

Faculty of „National Security and Defense“

1504 Sofia, Bulgaria, 82 Evlogi i Hristo Georgievi Blvd.

**Dates** 2005г.- 2007г.

**Title of qualification awarded** Master's Degree - International Relations and Security Studies

**Educational institution** Sofia University "St. Kliment Ohridski",

Department of Political Science

# 1504 Sofia, Bulgaria, 15, Tzar Osvoboditel Blvd.

# Mother tongue(s) Bulgarian

# Other language(s) English

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| **Understanding** | | | | **Speaking** | | | | **Writing** | |
| Listening | | Reading | | Spoken interaction | | Listening | | Reading | |
| B2 | Independent user | B2 | Independent user | B2 | Independent user | B2 | Independent user | B1 | Independent user |

Self-assessment

*European level (\*)*

# English

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| **Professional information and**  **applications**    **Professional and Research**  **Interests**  **(key words)** | Development and Research of Explosives; Physics of Explosion, Effects of Shock Wave, Seismic Effects of Explosion, Infrastructure Protection Activities Involving Explosives. |
| **Publications** | * Mollova Z., Blast load analysis and effect on building structures, Journal of Mining and Geological Sciences, Volume 62, Number 2, Sofia, 2019, pp.75-81, **ISSN** 2738-7100 (print) * Mollova Z., New insights into the impact of blast wave on the human body, Journal of Mining and Geological Sciences, Volume 62, Number 2, Sofia, 2019, pp.70-75, **ISSN** 2738-7100 (print) * Mollova Z., Penev V. Control of blast-induced seismic action generated by technological blastings, Sustainable extraction and processing of raw materials journal, Volume 1, Sofia, 2020, pp. 64-67 **ISSN** 2738-7100 (print) * Penev. V., Mollova Z. Design optimization of drilling and blasting operations: а case study on copper ore mining in Asarel, Journal of Mining and Geological Sciences, Volume 63, 2020, pp.84-88 ISSN 2682-9525 (print) * Belin V. A., Mollova Z. G. Influence of the type of donor charges on the detonation rate of low-sensitivity explosives, Sustainable Development of Mountain Territories. Т.13, No1 (47), 2021, pp. 112-119 , ISSN 1998-4502 |
| **Projects** | * Participated in the project for developing a passport for an explosive warehouse located in the village of Lozarevo, Burgas region, 2019. * Participated in the project for developing technology for the production of pyrotechnic devices "pyropatron" and "pyrotape" for reliable dispersion of marking paint on packed banknotes in hand-held safes, and developing a dye container for hand-held safes. |
| **Participation in scientific**  **sessions, conferences and**  **congresses**  **(for last 5 year)** | 64-th International scientific conference, University of Mining and Geology “St. Ivan Rilski”, October 2021, Sofia, Bulgaria65-th International scientific conference, University of Mining and Geology “St. Ivan Rilski”, October 2022, Sofia, Bulgaria66-th International scientific conference, University of Mining and Geology “St. Ivan Rilski”, October 2023, Sofia, BulgariaIX International Geomechanics Conference. September 2020, Varna, Bulgaria.X International Geomechanics Conference. September 2022, Varna, Bulgaria. |
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| Други професионални умения и  компетенции | Microsoft Office (Word, Excel, PowerPoint), Adobe Photoshop, CorelDRAW, Adobe Illustrator,Adobe Flash, ShotPlus. |