

Dr. Vladimir Cvetkovic
Chair of Thermal Processing Technology (580)
Phone: 5812

Research interests

Prof. Dr. Vladimir M. Cvetković is recognized as a leading expert in Disaster Risk Management, with a focus on Risk Reduction, Preparedness, Response, and Recovery. He has authored over 300 scientific papers published in domestic and international journals and proceedings, as well as 30 books. He has participated in more than 100 scientific conferences, 10 national and international projects, reviewed over 250 scientific papers, and organized numerous training sessions in the field of emergency protection and rescue. He has received numerous national and international awards and recognitions, including the Danubis Young Scientist Award (2017) from the Austrian Federal Ministry of Science, Research and Economy and the Institute for the Danube Region and Central Europe for the best young scientist from Serbia; selected as the "Local Expert" for Serbia in the field of disaster risk management by the international consortium and CIMA Research Foundation; award for the best student of his generation at the Criminalistic-Police Academy (10.00 average); and one of the top cadets of the Secondary School of Internal Affairs, Pane Đukić, 35th class. He graduated in 2010 as the top student of his class (average grade: 10.00) and defended his master's thesis in 2012 at the Academy of Criminalistics and Police Studies in Belgrade. He earned his PhD in 2016 from the Faculty of Security Studies, University of Belgrade, where he is currently employed as an Associate Professor. In addition to his work at the aforementioned institution, he has also worked at the Criminalistic-Police University and at the Ministry of Internal Affairs of the Republic of Serbia, Police Department Kragujevac. He completed his Secondary School of Internal Affairs (average grade: 5.00) in Sremska Kamenica in 2006 as one of the top students of his class, and his primary education at "Sveti Sava" Elementary School in Batočina in 2002 as a holder of the Vuk's Diploma (average grade: 5.00). He is the President and Founder of NSDR-URVS, the Director of the International Institute for Disaster Research (IDR), and the Editor-in-Chief of the international journal International Journal of Disaster Risk Management.

My research is centered on disaster risk management, with a focus on disaster preparedness, mitigation, response, and recovery. Key areas include search and rescue tactics, emergency response systems, and security measures in disaster scenarios. I also explore various hazards, both natural and man-made, with an emphasis on understanding and managing risks associated with natural disasters. Other areas of interest include public perception, resilience, and the institutional frameworks that enhance disaster risk reduction and community preparedness.

Employment

Chair of Thermal Processing Technology (580)

Montanuniversitaet Leoben (000)

Leoben

1 Sept 2024 → present

Director

International Institute for Disaster Research

Serbia

1 Jan 2020 → present

President

Scientific-Professional Society for Disaster Risk Management

Serbia

1 Jan 2018 → present

University (Associate) Professor for Disaster Risk Management

Department of Disaster Management and Environmental Security, Faculty of Security Studies, University of Belgrade
Serbia

1 Jan 2017 → present

Professor Assistant

University of Criminal Investigation and Police Studies

Serbia

1 Jan 2010 → 1 Jan 2017

Research outputs

Geospatial and Temporal Patterns of Natural and Man-Made (Technological) Disasters (1900–2024): Insights from Different Socio-Economic and Demographic Perspectives

Cvetković, V. M., Renner, R., Aleksova, B. & Lukić, T., 10 Sept 2024, In: Applied Sciences.

Assessing risk-prone areas in the Kratovska Reka catchment (North Macedonia) by integrating advanced geospatial analytics and flash flood potential index

Aleksov, B., Risto, M., Slobodan, M., Vladimir, C. M. & Lukić, T., 30 Aug 2024, In: Open Geosciences.

Community-Based Disaster Risk Reduction

Cvetković, V. M., 22 Aug 2024

Tactical Approaches to Protection and Rescue in Traffic Accident-Induced Disasters

Cvetković, V. M., 22 Aug 2024

Comprehensive Risk and Efficacy Analysis of Emergency Medical Response Systems in Serbian Healthcare: Assessing Systemic Vulnerabilities in Disaster Preparedness and Response

Cvetković, V. M., Tanasić, J., Renner, R., Raupenstrauch, H., Rokvić, V. & Beriša, H., 19 Aug 2024

Geospatial and Temporal Patterns of Natural and Man-made (Technological) Disasters (1900-2024): Insights from Different Perspectives

Cvetković, V. M., Renner, R., Lukić, T. & Aleksova, B., 5 Aug 2024

Challenges and Obstacles in the Use of Search and Rescue Dogs During Disaster Operations: A Case Study of the Earthquake in Turkey

Cvetković, V. M. & Miljković, N., 16 Jul 2024

Exploring environmental awareness, knowledge, and safety: A comparative study among students in Montenegro and North Macedonia

Cvetković, V. M., Sudar, S., Ivanov, A., Lukić, T. & Grozdanić, G., 11 Jul 2024, In: Open Geosciences.

Legal and Organizational Framework for the Use of Search and Rescue Dogs in Disasters: A Comparative Analysis between Serbia, Croatia, and Slovenia

Cvetković, V. M. & Miljković, N., 10 Jul 2024

Evaluation of the Effectiveness of Search and Rescue Dogs in Finding Survivors During Disasters: The Case of Serbia, Croatia, and Slovenia

Cvetković, V. M. & Miljković, N., 8 Jul 2024

Harmonization of Soft Power and Institutional Skills: Montenegro's Path to Accession to the European Union in the Environmental Sector

Sudar, S., Cvetković, V. M. & Ivanov, A., 30 Jun 2024, In: International Journal of Disaster Risk Management.

Exploring Students' and Teachers' Insights on School-Based Disaster Risk Reduction and Safety: A Case Study of Western Morava Basin, Serbia

Vladimir, C. M., Nikolić, N. & Lukic, T., 31 May 2024, In: Safety.

Empowering the Regional Network of Experts for Disaster Risk Management in the Western Balkans by the Scientific-Professional Society for Disaster Risk Management

Cvetković, V. M., 15 May 2024

Seismic Hazard Resilience in Montenegro: A Comprehensive Qualitative Analysis of Local Preparedness and Response Mechanisms

Cvetković, V. M., Grozdanić, G., Milanović, M., Marković, S. & Lukić, T., 14 May 2024

In-Depth Analysis of Disaster (Risk) Management System in Serbia: A Critical Examination of Systemic Strengths and Weaknesses

Cvetković, V. M., 13 May 2024

Exploring Environmental Awareness, Knowledge, and Safety: A Comparative Study among Students in Montenegro and North Macedonia

Cvetković, V. M., Sudar, S., Ivanov, A., Lukić, T. & Grozdanić, G., 6 May 2024

Exploring Multifaceted Factors Influencing Community Resilience to Earthquake-Induced Geohazards: Insights from Montenegro

Grozdanić, G. & Vladimir, C. M., May 2024, (Scientific-Professional Society for Disaster Risk Management)

The Efficiency of Disaster and Crisis Management Policy at the Local Level: Lessons from Serbia

Vladimir, C. M., May 2024, (Scientific-Professional Society for Disaster Risk Management, Belgrade)

Community Disaster Resilience in Serbia

Vladimir, C. M. & Šišović, V., 22 Apr 2024, (Scientific-Professional Society for Disaster Risk Management)

Harmonization of Soft Power and Institutional Skills: Montenegro's Path to Accession to the European Union in the Environmental Sector

Sudar, S., Cvetković, V. M. & Ivanov, A., 16 Apr 2024

Sustainable Earthquake Preparedness: A Cross-Cultural Comparative Analysis in Montenegro, North Macedonia, and Serbia

Grozdanić, G., Cvetković, V. M., Lukić, T. & Ivanov, A., 9 Apr 2024, In: sustainability.

Understanding the Sustainable Development of Community (Social) Disaster Resilience in Serbia: Demographic and Socio-Economic Impacts

Cvetković, V. M. & Šišović, V., 22 Mar 2024, In: sustainability.

Comparative Analysis and Prediction of Sustainable Development in Earthquake Preparedness: A Cross-Cultural Perspective on Montenegro, North Macedonia, and Serbia

Grozdanić, G., Cvetković, V. M., Lukić, T. & Ivanov, A., 19 Mar 2024

Understanding Community (Social) Disaster Resilience in Serbia: Demographic and Socio-Economic Impacts

Vladimir, C. M., 19 Feb 2024

Integrirano upravljanje rizicima od katastrofa: pripremljenost, ublažavanje, odgovor i oporavak

Vladimir, C. M., 18 Jan 2024, (Naučno-stručno društvo za upravljanje rizicima u vanrednim situacijama)

Integrirano smanjenje rizika od katastrofa izazvanih požarima: pregled literature: Integrated Fire Disaster Risk Reduction: A Literature Review

Vladimir, C. M., 31 Dec 2023, In: Časopis za diplomatiju i bezbednost.

Spremnost srednjih škola Sliva Zapadne Morave u Republici Srbiji za smanjenje rizika od katastrofa i upravljanje u vanrednim situacijama

Vladimir, C. M., 9 Dec 2023, (Naučno-stručno društvo za upravljanje rizicima u vanrednim situacijama)

Comparative analysis of DRM systems in Germany, USA, Russia and China

Vladimir, C. M., Dec 2023, In: Security Dialogues /Безбедносни дијалози.

Disaster resilience - A Guide to Prevention, Response, and Recovery

Vladimir, C. M., 15 Nov 2023, (Naučno-stručno društvo za upravljanje rizicima u vanrednim situacijama)

Istorijski razvoj Naučno-stručno društva za upravljanje rizicima: Historical development of the Scientific-Professional Society for Disaster Risk Management

Vladimir, C. M., 15 Nov 2023, (Naučno-stručno društvo za upravljanje rizicima u vanrednim situacijama)

The Role of Police of Montenegro in Combating Fan Hooliganism

Janković, B., Cvetković, V. & Ivanov, A., 27 Sept 2023, *The Role of Police of Montenegro in Combating Fan Hooliganism*.

Sustainable Development of Trust and Presence of Police in Schools: Implications for School Safety Policy

Janković, B., Cvetković, V. M., Ivanović, Z., Petrović, S. & Otašević, B., 12 Sept 2023

The Gender Dimension of Vulnerability in Disaster Caused by the Corona Virus (Covid-19)

Cvetković, V. M., Čvorović, M. & Beriša, H., 12 Sept 2023

Reducing the Risk of Disasters Caused by Epidemics

Cvetković, V. M., Vujanović, S. & Ivanov, A., 9 May 2023

A Predictive Model of Community Disaster Resilience based on Social Identity Influences

Cvetković, V. M., 16 Feb 2023

Human resource development for environmental security and emergency management

Vladimir, C. M., 2023, (Scientific-Professional Society for Disaster Risk Management)

Sustainable Development of Trust and Police Presence in schools: Implications for School Safety Policy

Jankovic, B., Cvetkovic, V. M., Ivanovic, Z., Ivanov, A., Jovanovic, S. & Otasevic, B., 2023, In: *Journal of Liberty and International Affairs*, Institute for Research and European Studies - Bitola.

The Assessment of Public Health Capacities at Local Self-governments in Serbia

Cvetkovic, V. M., Tanasic, J., Ocal, A., Zivkovic-Sulovic, M., Curic, N., Milojevic, S. & Knezevic, S., 2023, In: *Lex Localis - Journal of Local Self-Government*.

Social Resilience to Flood Disasters: Demographic, Socio-Economic and Psychological Factors of Impact

Cvetković, V. M. & Ivković, T., 1 Nov 2022, In: *Academic Perspective Procedia*.

Harmonizing Wildfire Risk Assessment in Western Balkans through the IPAFF Project

Fiorucci, P., Pernice, U., Cvetković, V. M. & Rajkovchevski, R., 9 Aug 2022, *Harmonizing Wildfire Risk Assessment in Western Balkans through the IPAFF Project*.

Essential tactics for disaster protection and rescue: Taktika zaštite i spšavanja u katastrofama

Vladimir, C. M., 2 Apr 2022, (Naučno-stručno društvo za upravljanje rizicima u vanrednim situacijama)

Pravni i bezbednosni aspekti upravljanja rizicima od prirodnih i antropogenih katastrofa: Legal and Security Aspects of Risk Management in Natural and Man-made Disasters

Vladimir, C. M., 17 Feb 2022, (Naučno-stručno društvo za upravljanje rizicima u vanrednim situacijama i Pravni fakultet u Novom Sadu)

A Predictive Model of Pandemic Disaster Fear Caused by Coronavirus (COVID-19): Implications for Decision-Makers

Cvetković, V. M., Nikolić, N., Ocal, A., Martinović, J. & Dragašević, A., 7 Jan 2022, In: *International journal of environmental research and public health*.

Individual citizens' resilience to disasters caused by floods: a case study of Belgrade
Cvetkovic, V. M., Boškovic, N. & Öcal, A., 6 Nov 2021, In: Academic Perspective Procedia.

Capacity Development of Local Self-Governments for Disaster Risk Management
Cvetković, V. M., Tanasić, J., Ocal, A., Kešetović, Ž., Nikolić, N. & Dragašević, A., 2 Oct 2021, In: International journal of environmental research and public health.

Innovative Solutions for Disaster Early Warning and Alert Systems: A Literary Review
Cvetković, V. M., 21 Sept 2021

Examining the impact of demographic and socioeconomic factors on the level of employee preparedness for a disaster caused by fires: a case study of electrical power distribution in Serbia
Cvetković, V. & Marković, K., 13 Sept 2021, *Examining the impact of demographic and socioeconomic factors on the level of employee preparedness for a disaster caused by fires: a case study of electrical power distribution in Serbia.*

Taktika zaštite i spasavanja u vanrednim situacijama: Iskustva sa terena i poukre
Vladimir, C. M., 22 May 2021, (Naučno-stručno društvo za upravljanje rizicima u vanrednim situacijama)

Nuclear Disaster Management: Upravljanje u nuklearnim katastrofama
Cvetkovic, V., 7 Apr 2021, (Naučno-stručno društvo za upravljanje rizicima u vanrednim situacijama)

Comparative analysis of disaster risk management policies in the region of south-east Europe
Cvetkovic, V., 2021, *Comparative analysis of disaster risk management policies in the region of south-east Europe.* (Collection of Papers - Scientific-Professional Society for Disaster Risk Management).

Fire Safety Behavior Model for Residential Buildings: Implications for Disaster Risk Reduction
Cvetkovic, V., 2021, In: International Journal of Disaster Risk Reduction.

Investigating students attitudes and preferences towards disaster learning multimedia to enhance preparedness
Cvetkovic, V., 2021, In: Glasnik Srpskog geografskog drustva.

Myths about disasters: truths and misconceptions: Mitovi o katastrofama: istine i zablude
Cvetkovic, V., 2021, (Naučno-stručno društvo za upravljanje rizicima u vanrednim situacijama)

Nuclear Power Risk Perception in Serbia: Fear of Exposure to Radiation vs. Social Benefits
Cvetkovic, V., 2021, In: Energies.

Private security preparedness for disasters caused by fire
Cvetković, V., Pavlović, S. & Bojan Janković, D., 2021, In: Nauka, bezbednost, policija.

Private security preparedness for disasters caused by fires
Cvetkovic, V., 2021, In: Journal of Criminalistic and Law, NBP.

Public perception of climate change and its impact on natural disasters.
Cvetkovic, V., 2021, In: Journal of the Geographical Institute Jovan Cvijic.

Relations between police and private security officers: a case study of Serbia.
Cvetkovic, V., 2021, In: Security journal.

Security Risks and Disasters: Bezbednosni rizici i katastrofe
Cvetkovic, V., 2021, (Naučno-stručno društvo za upravljanje rizicima u vanrednim situacijama - Scientific-Professional Society for Disaster Risk Management)

Uloga multimedijalnih sadržaja u edukaciji mladih o katastrofama: The role of multimedia content in educating young people about disasters

Cvetkovic, V., 2021, *Pravni i bezbednosni aspekti upravljanja rizicima od prirodnih i antropogenih katastrofa - Legal and security aspects of natural and man-made disaster risk management.*

Comparative Analysis of Disaster Risk Management Policies in the Region of South-East Europe

Cvetkovic, V., 23 Dec 2020

Preparedness and Preventive Behaviors for a Pandemic Disaster Caused by COVID-19 in Serbia

Cvetković, V. M., Nikolić, N., Nenadić, U. R., Öcal, A., Noji, E. K. & Zečević, M., 9 Jun 2020, In: International journal of environmental research and public health.

Examining the factors influencing public perception of myth-based human behavior in disaster conditions: Examining the factors influencing public perception of myth-based human behavior in disaster conditions

Cvetkovic, V., 2020, In: Glasnik Srpskog geografskog drustva.

Public reactions to the disaster COVID-19: A comparative study in Italy, Lebanon, Portugal, and Serbia

Cvetkovic, V., 2020, In: Geomatics, Natural Hazards and Risk.

Young adults' fear of disasters: A case study of residents from Turkey, Serbia and Macedonia

Cvetković, V. M., Öcal, A. & Ivanov, A., Feb 2019, In: International Journal of Disaster Risk Reduction.

Household earthquake preparedness in Serbia: A study of selected municipalities

Cvetkovic, V. M., Ronan, K., Shaw, R., Filipovic, M., Mano, R., Gacic, J. & Jakovljevic, V., 2019, In: Acta Geographica Slovenica.

Perceptions of private security: A case study of students from Serbia and North Macedonia

Cvetkovic, V., 2019, In: Journal of Criminalistic and Law, NBP.

Private military companies in the modern era: Privatne vojne kompanije u modernom dobu

Cvetkovic, V., 2019, In: Vojno delo.

Risk Perception of Building Fires in Belgrade

Cvetkovic, V., 2019, In: International Journal of Disaster Risk Management.

Public Risk Perspectives Regarding the Threat of Terrorism in Belgrade: Implications for Risk Management Decision-Making for Individuals, Communities and Public Authorities

Cvetkovic, V., Dec 2018, In: Journal of Criminal Investigation and Criminology.

The Role of Gender in Preparedness and Response Behaviors towards Flood Risk in Serbia

Vladimir, C. M., Roder, G., Adem, ÖCAL., Tarolli, P. & Dragicevic, S., Dec 2018, In: International journal of environmental research and public health.

Citizens Attitudes about the Emergency Situations Caused by Epidemics in Serbia.

Cvetković, V. M., Ristanović, E. & Gačić, J., Aug 2018, In: Iranian Journal of Public Health.

Childrens and youths' knowledge on forest fires: Discrepancies between basic perceptions and reality

Cvetković, V., Giulia, R., Adem, O., Filipović, M., Janković, B. & Erik, N., 2018, In: Vojno delo.

Citizens attitudes about the emergency situations caused by epidemics in Serbia

Cvetković, V. M., Ristanović, E. & Gačić, J., 2018, In: Iranian Journal of Public Health.

Concept of disaster resilience: Koncept otpornosti na katastrofe

Cvetkovic, V., 2018, In: Ecologica.

Examination of Risk Perception of Fires in Residential Buildings - Demographic and Socio-Economic Influencing Factors:

Ispitivanje percepcije rizika o požarima u stambenim objektima-demografski i socio-ekonomski faktori uticaja

Cvetkovic, V., 2018, In: Vojno delo.

Examination of citizens' attitudes towards providign support to vulnerable people and voluntereeing during disasters.

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Cvetković, V., Milašinović, S. & Lazić, Ž., 2018, In: TEME - Journal of social science.

Household earthquake preparedness in Serbia – a study from selected municipalities

Cvetkovic, V., 2018, In: Acta Geographica.

Global health risks and health care system response in emergencies

Babić, S., Jasmina, G., Nikolić, M., Vladimir, C. M. & Rašeta, D., 16 Nov 2017, *First International Conference Environmental Safety and Health at Work, Proceedings, Zrenjanin, 16. November, 2017..*

A survey of subjective opinions of the population about the seismic resistance of residential buildings

Cvetković, V., Filipovic, M. & Jakovljevic, V., 2017, In: Journal of the Geographical Institute "Jovan Cvijic" SASA.

Assessment of Women's Vulnerability and their Coping Mechanism Living in Flood prone Areas: A Case Study of Belkuchi Upazila, Sirajganj

Cvetkovic, V., 2017, In: Serbian Science Today.

Religiousness level and citizen preparedness for natural disasters

Cvetkovic, V., 2017, In: Vojno delo.

Theory of vulnerability and disaster risk reduction

Cvetkovic, V., 2017, In: Kultura polisa.

Theoretical foundations related to Natural disasters and measuring the resilience of the communities before disasters happens - Establishing proposal variables

Aleksandar, I., Vladimir, C. M. & Srna, S., 30 May 2016.

Fear and floods in Serbia: Citizens preparedness for responding to natural disaster

Cvetković, V., 2016, In: Matica Srpska Journal of Social Sciences.

Inquiring of knowledge of secondary school students as an element of flood preparedness

Cvetković, V., Lipovac, M. & Milojković, B., 2016, In: Journal for social sciences, TEME.

Qualitative research on the readiness of citizens to respond to natural disasters - Kvalitativno istraživanje pripremljenosti građana za reagovanje na prirodne katastrofe

Cvetkovic, V., 2016, In: Serbian Science Today.

Climate change and national defense

Cvetković, V. M., Vučić, S. Z. & Gačić, J., 2015, In: Vojno delo.

Factors of influence to the knowledge and perception of secondary school students in Belgrade about natural disasters caused by landslides

Cvetković, V. M., 2015, In: Bezbednost, Beograd.

Impact of climate change on the distribution of extreme temperatures as natural disasters

Cvetković, V., Gačić, J. & Jakovljević, V., 2015, In: Vojno delo.

Knowledge and perception of secondary school students in Belgrade about earthquakes as natural disasters

Cvetković, V., Dragičević, S., Petrović, M., Mijalković, S., Jakovljević, V. & Gačić, J., 2015, In: Pol. J. Environ. Stud..

Prediction model of effective studies at the Academy of criminalistics and police studies

Milojevic, S., Jankovic, B. & Cvetkovic, V., 2015, In: NBP.

Comparative analysis of national strategies for protection and rescue in emergencies in Serbia and Montenegro with emphasis on Croatia

Vladimir, C. M. & Ivanov, A., 3 Jun 2014.

Floods in the Republic of Serbia – Vulnerability and Human Security

Jasmina, G., Vladimir, J. & Vladimir, C. M., 7 May 2014.

Analysis of geospatial and temporal distribution of earthquakes as natural disasters

Cvetkovic, V., Milojkovic, B. & Stojkovic, D., 2014, In: Vojno delo.

Analysis of spatial and temporal distribution of drought as natural disaster

Cvetkovic, V. & Boskovic, D., 2014, In: Bezbednost.

Spatial and temporal distribution of natural disasters

Cvetković, V. & Dragicević, S., 2014, In: Journal of the Geographical Institute Jovan Cvijic, SASA.

The impacts of climate changes on the risk of natural disasters

Cvetkovic, V., 2014, In: Skopje: International yearbook of the Faculty of security.

The role of education in natural disaster risk reduction

Ivanov, A. & Cvetković, V., 2014, In: Horizons - international scientific journal.

The role of police in achieving security on the Danube as international waterways in Serbia

Cvetković, V., Milojković, B., Mlađan, D. & Miladinović, S., 2014, *The third romanian-bulgarian-hungarian-serbian conference: Geographical Research and Cross-Border Cooperation within the Lower Basin of the Danube.*

The role of private armed forces in the traditional concepts of security

Vracevic, N. & Cvetkovic, V., 2014, In: Vojno delo.

Victimization of people by natural disasters: Spatial and temporal distribution of consequences

Mijalkovic, S. & Cvetkovic, V., 2014, In: Temida.

Vulnerability of Critical Infrastructure by Natural Disasters

Mijalković, S. & Vladimir, C. M., 24 Oct 2013.

Cooperation of south-east european countries in emergency situations

Mlađan, D., Milojković, B., Baraš, I. & Vladimir, C. M., 5 Jun 2013.

Classification of emergency situations

Mlađan, D. & Cvetković, V., 2013, *International scientific conference Archibald Reiss days.*

Climate Change as a Modern Security Threat

Cvetković, V., Milojković, B. & Mlađan, D., 2013, *International conference climate change impacts on water resources*.

Role and training of the Serbian armed forces' members in escort

Cvetkovic, V., 2013, In: *Vojno delo*.

Spatial and temporal distribution of floods like natural emergency situations

Cvetković, V., 2013, *International scientific conference Archibald Reiss days*.

Spatial and temporal distribution of geophysical disasters

Cvetkovic, V. & Mijalkovic, S., 2013, In: *Journal of the Geographical Institute Jovan Cvijic, SASA*.

Incident Command System in the United States of America

Mlađan, D., Cvetković, V. & Veličković, M., 2012, In: *Vojno delo*.

Police deployment in emergency situations

Mlađan, D. & Cvetković, V., 2012, *International scientific conference Archibald Reiss days*.