

PERSONAL INFORMATION

Katarina Mirković



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Sex Female | Date of birth 20 August 1964 | Nationality Montenegrin

WORK EXPERIENCE

2009 - present

Teaching Assistant

University of Montenegro (UoM) [www.ucg.ac.me]
 Faculty of Civil Engineering (FCE) [www.gf.ac.me]
 Podgorica, Montenegro

- Teaching Assistant in courses from the domain of: Pavement Structure, Road Maintenance Management, Road Design - basic course, Design of Urban Roads – basic course, Design of Railway Lines, Railway Stations, Railway Superstructure
- Co-supervisor of Final/Diploma student projects
- Scientific-research and engineering activities

2006 - 2009

Technical Manager

KABA Inzenjering
 Podgorica, Montenegro

- Responsible for implementation and supervision of construction/reconstruction/adaptation of business-buildings including access roads and infrastructure preparation and management.

2002 – 2006

Standalone Adviser

The Government of Montenegro - Directorate for Highways in Montenegro (now is called 'Monteput') [www.monteput.me]
 Podgorica, Montenegro

- Standalone adviser from the domain of road construction and pavement structure
- Expert Supervision team leader - construction of the Southern access road to Tunnel Sozina and material source
- Expert Supervision team member - construction of the Tunnel Sozina , Tunnel Raš and Northern access road

1997 – 2002

Project manager

KABA Inzenjering
 Podgorica, Montenegro

- Responsible for constructing access roads to base stations for mobile telephony needs

Project manager

Mimi mediteran
 Podgorica, Montenegro

1994 – 1997

- Responsible for the reconstruction of company facilities

EDUCATION AND TRAINING

- 2010 - 2019 **PhD** EQF level 8

Faculty of Civil Engineering, University of Montenegro (Montenegro)

 - Specialisation: Roads and urban roads - Pavement construction
 - Structure: 5 courses/exams (4 semesters) + PhD Thesis
 - PhD Thesis *Fly Ash Application in Asphalt Mixtures*
- 2006 - 2010 **MSc (Mr – Magistar)** EQF level 7

Faculty of Civil Engineering, University of Montenegro (Montenegro)

 - Specialisation: Roads and urban roads - Pavement Construction
 - Structure: 5 courses/exams (4 semesters) + MSc Thesis
 - MSc Thesis: *Design methods of hot asphalt mixture for flexible pavement construction*
- 1983 - 1993 **BSc (Dipl.Ing)** EQF level 6

Faculty of Civil Engineering, University of Montenegro (Montenegro)

 - Specialisation: Roads, urban roads and railroads
 - Structure: 34 courses/exams (8+1 semesters) + Final/Diploma project (1 semester)
 - Final/Diploma project: *Preliminary Design of the main road in Rijeka Cmojevića*

PERSONAL SKILLS

Mother tongue(s) Montenegrin

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- Good communication skills gained through teaching experience and through communication with associates at different levels and different areas of civil engineering.

Organisational / managerial skills

- Good management skills developed during the years of the period performing the responsible supervision positions.

Computer skills

- Excellent command of Microsoft Office™ tools.
- Good command of AutoCAD™ and stress and strain analysis programs BISAR, SPDM and BANDS 2/1998

Other skills

- Professional skills:
- Familiar with laboratory techniques and methods,
 - Experience in experimental testing of asphalt mixtures and associated materials.
- Hobbies and interests:
- skiing, swimming,
 - Tai Chi, Qigong and Salsa dance
 - reading area - development of the consciousness area,
 - travelling.

Driving licence A, B

ADDITIONAL INFORMATION

Memberships

Professional organisations and associations:

- Engineering Chamber of Montenegro (IKCG) - Authorization to Create Projects for Transportation Facilities (roads, city roads, railways, airport runways) and Authorization for Implementation Management Building and Craft Works on the Facilities of Roads and Tunnels

Professional bodies

- State Review Commission of Main design of highway Bar – Boljare, section Smokovac – Mateševo.
- State Review Commission of Preliminary design of highway Bar – Boljare, section Mateševo - Andrijevića.
- State Review Commission of Preliminary design of highway Bar – Boljare, section Smokovac – Farmaci.

Publications
(journal and monograph papers;
invited lectures/papers)

Papers in international journals (SCI/SCIE list):

- Ulutaš, A., Balo, F., Mirković, K., Stević, Ž., Mostafa, M.M.H., "MCDM Model for Critical Selection of Building and Insulation Materials for Optimising Energy Usage and Environmental Effect in Production Focus", Journal of Civil Engineering and Management (JCEM) 2023, Vol. 29, Issue 7: 587–603, ISSN 1392-3730 / eISSN 1822-3605, <https://doi.org/10.3846/jcem.2023.19569>
- Mirković K., Tošić N. and Mladenović G., "Effect of Different Types of Fly Ash on Properties of Asphalt Mixtures", Advanced in Civil Engineering (ACE), Volume 2019, Article ID 8107264, 11 pages, ISSN: 1687-8094 (Online) <https://www.hindawi.com/journals/ace/2019/8107264/>
- Radović N., Mirković K., Šešlija M., Peško I., "Output and Performance Based Road Maintenance Contracting – Case Study Serbia", Technical Gazette, (TV-TG) 2014, Volume 21, 3(2014), pp 681-688, ISSN 1330-3651, UDK: 347.44:625.76(497.11), (ISSN 1330-3651) <https://hrcak.srce.hr/file/182234> .

Papers in international journals:

- Šešlija M., Peško I., Mirković K., Mandić V., Kired F. "Analysis of the hydraulic binder use for base strengthening in pavement constructions", Engineering TODAY, Volume 1 No.2, 2022. DOI: <https://doi.org/10.5937/engtoday2202037S>
- Božović I., Mirković K., "Overview of methods of application of waste car tires in the production of asphalt mixtures and the possibility of application in Montenegro", Journal of Road and Traffic Engineering, Vol 67 No 2 (2021), pp 21-33. <https://doi.org/10.31075/PIS.67.02.03>.
- Mirković K., Mladenović G., "Fly Ash Impact on Characteristics of Asphalt Mixtures", Journal of Road and Traffic Engineering, Vol 63 No 3 (2017), pp 35-46, ISSN 0478-9733 <https://www.putisaobracaj.rs/index.php/PiS/article/view/71>

Publications
(conference papers)

- Ivanović B., Mirković K., Šćepanović D. "Standard Vehicle in Real Traffic Conditions In Montenegro", The Second Mcedonian Road Congres 2022 – Skopje, Macedonia, 3-4 November 2022.
- Zejak R., Zecevic S. and Mirkovic K. "The Possibility of Using Fly Ash From the Landfill Maljevac and the TPP Pljevlja in Concrete Production", The 8th International Conference "Civil Engineering - Science and Practice", GNP 2022 – Kolašin, Montenegro, 08 -12 March 2022
- Radovanović Ž., Mirković K., „Possibilities of Using Fly Ash from TPP "Pljevlja" in frm Composites for Strengthening Masonry Structures", The 7th International Conference "Civil Engineering - Science and Practice", GNP 2020 – Kolašin, Montenegro, 10 -14 March 2020
- Mirković K., Mladenović G., "Testing of Fly Ash Properties for the Application in Asphalt Mixtures" – The 5th Scientific-Expert Meeting "Road and Environment", September 2017
- Mirković K., Mladenović G., "Characteristics of Asphalt Mixtures Ac11s with Fly Ash", The 5th Scientific-Expert Meeting "Road and Environment", September 2017

 Engineering projects
(professional experience -
Design)

- "Mein Design of Pavement Construction - Reconstruction of Main Road Kolasin – Mojkovac; responsible designer for pavement construction, (2018, CEI for needs The Government of Montenegro - Traffic Directorate Podgorica), responsible designer for pavement construction
- "Mein Design of Pavement Construction - Reconstruction of Main Road M-2, the section: km Ribarevine - Poda" L= 14,7 km. (2015, GNLI for needs The Government of Montenegro - Traffic Directorate Podgorica), responsible designer for pavement construction
- "Mein Design of Pavement Construction - Reconstruction of Main Road M-2.3, the section: Podgorica - Cetinje, site Kamenica - Meterizi - Jankovića krš – Ulići" L=12,5 km (2015, GNLI for needs The Government of Montenegro - Traffic Directorate Podgorica), responsible designer for pavement construction
- "Mein Design of Pavement Construction - Reconstruction of Main Road M-2.3, the section: Cetinje- Budva, site Braiči – Lapčiči" L=5,4 km. (2015, Via Project for needs The Government of Montenegro - Traffic Directorate Podgorica), responsible designer for pavement construction
- "Mein Design of Pavement Construction - Reconstruction of Main Road M-2.3, the section: Cetinje- Budva, site Ulići – Kružni tok Cetinje – Ugnji" L=5,9 km. (2015, Via Project for needs The Government of Montenegro - Traffic Directorate Podgorica), responsible designer for pavement construction
- "Mein Design of Pavement Construction - Reconstruction of Main Road M-2.3, the section Podgorica - Cetinje, site Kokoti - Barutana – Kamenica" L=4,2 km. (2015, GNLI for needs The Government of Montenegro - Traffic Directorate Podgorica), responsible designer for pavement construction
- "Mein Design of Pavement Construction - Reconstruction of Main Road M-2.3, the section Podgorica - Cetinje, site Tunnel „Mekavac“ L= 0,5 km. (2015, Via project for needs The Government of Montenegro - Traffic Directorate Podgorica), responsible designer for pavement construction
- "Mein Design of Pavement Construction - Reconstruction of Main Road M-2.3 Cetinje - Budva, the section Obzovica – Brajići" L= 4,0 km. (2015, Via Project for needs The Government of Montenegro - Traffic Directorate Podgorica), responsible designer for pavement construction
- "Mein Design of Pavement Construction - Reconstruction of Main Road M-2, the section: Mojkovac – Ribarevina, site Slijepac most" L= 2,0 km. (2014, Saobraćaj inženjering for needs the Government of Montenegro - Traffic Directorate Podgorica), responsible designer for pavement construction
- "Mein Design of Pavement Construction - Reconstruction of Main Road M-2, the section: Mojkovac – Ribarevina, site Lepenac" L= 2,2 km. (2014, Saobraćaj inženjering for needs the Government of Montenegro - Traffic Directorate Podgorica), responsible designer for pavement construction

Engineering projects
 (professional experience -
 - Technical reviews)

- "Technical Review of Preliminary Design of Pavement Construction of highway Bar – Boljare, section Mateševo - Andrijevica", from 2020 to further
- "Technical Review of Preliminary Design of Pavement Construction of highway Bar – Boljare, section Smokovac - Farmaci", from 2020 to further
- "Technical Review of Mein Design of Pavement Construction of highway Bar – Boljare, section Smokovac – Mateševo", from 2015 to further
- "Technical Review of Mein Design of Pavement Construction - Reconstruction of Main Road M-2, the section: Debeli Brijeg – Tivat – Budva", km 885+500 - km 901+500
- "Technical Review of Mein Design of Pavement Construction - Reconstruction of Main Road M-6, Nikšić – Vilusi, the section Kuside"
- "Technical Review of Mein Design of Pavement Construction - Reconstruction of Main Road M-2, Berane – Rožaje - Špiljani, the section Tunel "Lokve" – Rožaje", km 1133+450,55 do km 1148+730,55
- "Technical Review of Mein Design of Pavement Construction - Reconstruction of Main Road M 2.3 Cetinje-Budva; section „Ugnji“-Third line „Obzovica“, km 35+900-km 37+300
- "Technical Review of Mein Design of Pavement Construction - Reconstruction of Main Road M-2 Budva – Petrovac, section: Kamenovo – Petrovac", km 911+700 - km 923+000

 Engineering projects
 (professional experience -
 Supervision)

- "Construction of the Montenegro-Albania border crossing point Zatrijebacka Cijevna-Grabon", Member of the Supervision Commission responsible for superstructure, base and subbase of road construction, 2018.
- "Construction of the Montenegro-Albania border crossing point Bozaj-Hani Hot", Member of the Supervision Commission responsible for superstructure, base and sub base of road construction, 2018.
- "Rehabilitation of railway line Bar-Vrbnica, Section Mijatovo Kolo (km 313+314) – Mojkovac (km321+733)", (2011-2013 Railway Infrastructure of Montenegro, a.d. Podgorica), Member of the Supervision Commission responsible for superstructure of the railway line, 2015.
- "Southern Access Road to Tunnel Sozina (L=2.100m)", (2002-2005 for needs the Government of Montenegro - Direktorat for Highways in Montenegro), Head of the Supervision Commission responsible for Road Construction
- "Tunnel Sozina (L=4.198m)", (2002-2005 for needs the Government of Montenegro - Direktorat for Highways in Montenegro), Member of the Supervision Commission responsible for Road Construction
- "Tunnel Ras (L=600m)", (2002-2005 for needs The Government of Montenegro - Direktorat for Highways in Montenegro), Member of the Supervision Commission responsible for Road Construction
- "Northern Sozina access road (L=15.300 m)", (2002-2005 for needs The Government of Montenegro - Direktorat for Highways in Montenegro), Member of the Supervision Commission responsible for Road Construction

Podgorica, September 2023