NAME: Marina Pesic (maiden Nikolic)

ADDRESS: DJ. A: Kuna no.7/10, 19210 Bor, Serbia

DATE OF BIRTH: April 23, 1968

PLACE OF BIRTH: Zajecar, Serbia

CIVIL STATUS: Married

EDUCATION: Primary school
Secondary Guided Education
- Major: Lab. Technician for Biology
University in Belgrade: Technical Faculty Bor
- Department: Inorganic (Chemical) Technology
- Ph.D. in technical science, University in Belgrade: Technical Faculty Bor

QUALIFICIATIONS: Fourth Degree Secondary Guided Education Diploma
Seventh Degree University Diploma in Inorganic Technology
Graduate Engineer for Inorganic Technology
Eight Degree University Diploma in Technical Science
State Exam: Environmental Protection in the Field of Mining
State Exam: Waste Water in the Field of Technology
Certificate for standard SRPS/IEC 17020:2012;
Licence :TP09-01 - number : 391I02022; 3138/R

EXPERIENCE: - January 1993- February 1994 Beginner at RTB Bor's Sulphuric Acid Plant (neutralization of waste water from the Sulphuric Acid Plant);
- February 1994- July 2000 University Degree Engineer for sistematic monitoring of air, land and soil quality at RTB Bor's The Copper Mines Bor (RBB),Environmental Sector;
- July 2000- July 2002 The Environmental Sector Manager at the Same plant;
- July 2002- May 2004 Chief Technologist for Drinking Water Quality Control at the Newly Established Regional Water Supply System called «Bogovina»- Bor. Explanation- The Bor Copper Mines (RBB Bor) have temporarily engaged me for the Public Utility Company "Bogovina" as an expert associate for the mentioned activities until the Water Supply System "Bogovina" has been technically accepted, and after that I will return to my parent Company-The Copper Mines Bor (RBB).
- May 2004- November 2004 Director at Public Utility Company "3.October" Bor.
- -November 2004 – may 2005 – Advisor to the Director at Public Utility Company "Water Supply Bor"

May 2005 -April 2012- Manager of Department for production, distribution and drinking and waste water quality control at Public Utility Company "Water Supply Bor"
April 2012-June 2016- Deputy Director at Public Utility Company "Water Supply Bor"
June 2016- owen - Manager of Department for Water Quality Control and Water Losses at Public Utility Company "Water Supply Bor"

REFERENCES:

I was a member of:
- the Municipal Commite for Environmental Protection
- the Environmental Board called "The Municipality-RTB"
- the Municipal Council of the Mayor for the Department of the Drinking and Communal Waste Water
- Council of Public Health the Municipality Bor
- the city commission for monitoring the implementation of the short-term action plan for reducing air pollution in the city of Bor;
- the working group in charge of waste management in the city of Bor for monitoring the development and professional assistance in the implementation of planning and program documents in the field of waste management;
- the executive board of the constituent Section of Other Technical Engineers of the Serbian chamber of engineers

I am a member of:

- the managing board of the constituent Section of Other Technical Engineers of the Serbian chamber of engineers
- President of the executive board of the constituent Section of Other Technical Engineers of the Serbian chamber of engineers.

LANGUAGE SKILLS: Serbian Language is my mother tongue.
English Language: Level - Medium (3)
Spoken - Medium (3)
Written - Medium (3)

M 22, M 23 - Paper in an international journal

No	Reference	Factor M
1.	1. **Marina Pešić**, Snežana Milić, Maja Nujkić, Miroslava Marić, Determination of Heavy Metal Concentration and Correlation Analysis of Turbidity: a Case Study of the Zlot Source (Bor, Serbia), Water, Air and Soil Pollution, 231, 98 (2020).	M22
2.	**Marina Pešić**, Snežana Milić, Maja Nujkić, Miroslava Marić, The impact of climatic parameters on the turbidity and natural organic matter content in drinking water in the City of Bor (Eastern Serbia), Environmental Earth Sciences, 79, 267 (2020).	M22

1.	**Marina Pešić**, Vesna Ristić Vakanjac, Boris Vakanjac, Kostadin Jovanov, *Turbidity simulation for short-term predictions: case study of the karst spring Surdup (Bor, Serbia),* Comptes rendus de l'Académie bulgare des Sciences, 69, 9, 2016, 1183-1194.	M23

M33 - Press release from the international meeting printed in its entirety

No	Reference	Factor M
1.	**Marina Pešić**, Nenad Marković, *Advancement quality of water supply with control turbidity in sources of groundwater*, 32 Conference: "Water supply and sewage,11“, Kladovo, 2011, 19-23.	M33
2.	**Marina Pešić**, Vesna Ristić Vakanjac, Milan Antonijević, Boris Vakanjac, Nenad Marković, *Good monitoring as a precondition for high drinking water quality: Case study of Zlot water supply sources (Bor, Serbia)*, XXIII International Conference „Ecological Truth”, Kopaonik, June 2015 , 583-589.	M33
3.	**Marina Pešić**, Snežana Milić, Maja Nujkić, Dragana Medić, Sonja Stanković, *Application of simulation methods and analysis of the influence of precipitation regime on turbidity o karst aquifer: a case study of karst Zlot'sspring (Bor, Serbia)*, 28th International Conference Ecological Truth and Environmental Research, Kladovo, Serbia, June 2020, 215-220.	M33
4.	Dragana Medić, Snežana Milić, Nemanja Milošević, Maja Nujkić, **Marina Pešić,** Vladan Nedelkovski, Sonja Stanković, *Application of the shrinking core model in the leaching process of* $LiNiMnCoO_2$, 31 th International Conference Ecological Truth & Environmental Research, Soko banja, Serbia, June 2024.	M33
5.	Maja Nujkić, Žaklina Tasić, Dragana Medić, Snežana Milić, Sonja Stanković, **Marina Pešić,** *Application of mullein leaf for biosorption of Zn (II) and Ni(II) ions synthetic solutions,* XV Conference of chemists, technologists and environmentalists of Republic of Srpska, ,Banja Luka, Republic of Srpska, October 18-19, 2024	M33

M52 - Paper in a journal of national importance

No	Reference	Factor M
1.	**Marina Pešić,** *Disinfect of objects at the water supply system "Bogovina" Bor (Serbia, Serbia and Montenegro) and disinfect water by means of purification process,* Water and sanitary technology, 34(2), 2005, 35-38.	M52
2.	**Marina Pešić,** Radmila Marković, Analysis of the the mining activities on the content o heavy metals in the groundwater and drinking water depending on climate parameters, *Bakar 47*,2, 2022, 42-49.	M52

M63 - Press release from a gathering of national importance printed in its entirety

No	Reference	Factor M
1.	Ružica Lekovski, Novica Milošević, Zoran Stojanović, **Marina Nikolić,** Analysis of the impact of surface mining of copper ore in Veliki Krivelj on the environment,Yugoslav Conference on Mining and Environmental Protection , Beograd, 1996.	M63
2.	**Marina Nikolić**, *Protection of Water Currents from Possible Exertion of Influence of the «Cerovo» Mine,* V scientific expert Conference, Our Environmental Truth, Donji Milanovac, 1997, 79-84.	M63
3.	Ružica Lekovski, Zvonimir Milijić, **Marina Nikolić**, *The Impact of the Copper Deposit «Cerovo» Mining on the Pollution of the Surrounding Soil*, The Serbian Chemical Society, Vrnjacka Spa, 1998, 169-170.	M63
4.	**Marina Pešić**, Bora Petrović, *Drinking water monitoring in the Bor municipality territory*, Water 2006, Zlatibor, 2006, 453-457.	M63
5.	**Marina Pešić**, Nenad Marković, *Underground water resources for water supplies of the town of Bor*,Water 2007, Tara, 2007, 199-205.	M63
6.	**Marina Pešić**, Nenad Marković, *Communal wastewater in town Bor*, Water 2008, Mataruška Spa, 2008, 351-357.	M63
7.	**Marina Pešić**, Milan Antonijeviћ, *Formation of byproducts during drinking water disinfection*, XII Conference "Our ecological truth" , 2009, Kladovo, 126-129.	M63

M64 - Press release from a gathering of the national importance printed in excerpt

No	Reference	Factor M
1.	**Marina Pešić**, Nenad Marković, *Energu Efficiency Increase by Reducing Water Loss*, XXVI Professional conference of preventive medicine of Timok region, Bor Lake , 2013, 62.	M64
2.	Jovana Radosavljević, Vladimir Živanović, Milan Rabrenović, Igor Jemcov, Veselin Dragišić, **Marina Pešić**, Assessment of groundwater vulnerability in karst terrains on the example of Zlotski springs , 8th Symposium on Karst Protection, Pirot, 2015, 9.	M64
3.	Milan Rabrenović, Igor Jemcov, Vladimir Živanović, Veselin Dragišić, **Marina Pešić**, Assessment of groundwater vulnerability of Gornjan karst , 8th Symposium on Karst Protection, Pirot, 2015, 7-8.	M64
4.	**Marina Pešić**, Nenad Marković, Vesna Ristić Vakanjac, Boris Vakanjac,Protection of water supply sources through the definition of sanitary protection zones on the example of the source "Surdup" , XXVIII Professional conference of preventive medicine, Kladovo, April 2015, 46.	M64

M70 - Defended doctoral dissertation

No	Reference	Factor M
1.	**Marina Pešić**, Physico-chemical characterization and simulation model for the occurrence of water turbidity in order to optimize the water treatment process, University of Belgrade, Technical faculty in Bor, March 16,2021.	M52

Projects:

1. The project: The Impact of the Industrial Complex of RTB Bor on the Soil; The Centre for Agricultural Technological Explorations, Zajecar, 1996
Associate on the Project, Marina Pesic(maiden Nikolic)

2. The Study : A Detailed Analysis of the Open Pit Mine «Zagradje No.5» and the Impact on the Lime Production at the Zagradje –RBN Bor to the Environment; The Copper Institute Bor, 1998 (Records Dept. of the Open Pit Mine)
- Responsible Project Engineer : Ruzica Lekovski
- Associate on the Project: Marina Pesic(maiden Nikolic)

3. The Study: A Detailed Analysis of the Ore Body «H» belonging to the Tailings Dump and its Impact on the Environment , The Copper Institute Bor 1999 (Records Dept. of the Open Pit Mine)
- Responsible Project Engineer: Ruzica Lekovski
- Associate on the Project : Marina Pesic (maiden Nikolic)

4. The Study: A Detailed Analysis of the «Veliki Krivelj» Tailings Dump and its Impact on the Environment, The Copper Institute Bor 1999 (Records Dept. of the Open Pit Mine)
- Responsible Project Engineer . Ruzica Lekovski
- Associate on the Project: Marina Pesic (maiden Nikolic)

5. Study:Suggestions for improving water supply, drainage and wastewater treatment, kfW- Municipal infrastructure credit line project, February 2011 year.
Associate on the Study:
Dragana Vasić, Nikica Vujović, Marina Pešić

6. Study: Optimization of the first phase of the regional water supply system "Bogovina", KFW- Municipal infrastructure credit line project, April 2011 year.
Associate on the Study:
Radomir Filipović, Nebojša Kostić, Želimir Milijanović, Marina Pešić

7. Technical documentation of the constructed facility for all existing water facilities in the water supply system, which, together with the system of water catchment facilities at the sources, form the public water supply system for city of Bor and other settlements on the territory of the municipality of Bor, 2022 year

Project authors: Marina Pešić, Radovan Dimitrievski

Execution of works:

- Supply, installation, and commissioning of equipment and plant Biorotor 1000ES, 2015 year;
- Commissioning of equipment and plant MBBR 1000ES, 2019 year.

Presentation:

1. Presentation about groundwater and drinking water at Public Utility Company "Water Supply Bor"- Marking of the World Water Day,Marina Pešić, Nenad Marković, Bor March 2011.
2. Presentation about energu efficiency increase by reducing water loss - Marking of the World Water Day,Marina Pešić, Nenad Marković, Bor March 2013.
3. Presentation Sustainable use of water and water resources – Marking of the World Water Day, Marina Pešić, Bor March 2015.
4. Presentation Recommendations of the Eastern Serbia for the water sector in the accession process EU- Marking of the World Water Day, Marina Pešić, Bor March 2016.
5. PresentationWater supply and solving the problem of waste water Bor and public policy documents - Project Better Organized Resources for the Environment, The project holder DMI, donor British Council, Seminar , Marina Pešić February 2020.
6. Timok scientific tornado 2015
7. Timok scientific tornado 2016
8. Timok scientific tornado 2017

Rewise:

1. CAEV- D-21- 00085 Evaluation of suitability of Antalya (Turkey) karst travertine plateau for 2 underground dam - July 2021
2.CAEV-D-22-00035 The morphostructural units of Formoso river hydrographic basin, Bonito city – Mato Grosso do Sul – Brazil: Analysing a karst system- May 2022

Citation:

1. Adamovic, Dragana et al.: Geochemical characteristics and estimation of groundwater pollution in catchment areas of Timok and Pek Rivers, Eastern Serbia: Determination of early-stage groundwater pollution in mining areas, Groundwater for Sustainable Development. Volume: 16. 2022

2. Osae, Richard et al.: Heavy metal mobility, bioavailability, and potential toxicity in sediments of the Korle lagoon in Ghana, International Journal of Environmental Studies. 2022

3. Krstić, Vesna et al.: Sorbent based on citrus peel waste for wastewater treatment, Nano-Biosorbents for Decontamination of Water, Air, and Soil Pollution. 2022

4. Fseha, Yohanna Haile et al.:
Phoenix dactylifera (date palm)-Derived Biochar Application for the Adsorptive Removal of Multiple Inorganics from Groundwater for Drinking Water Purposes
Arabian Journal for Science and Engineering. 2022

5. Pešić, Marina et al.:
Analysis of the mining activities impact on the content of heavy metals in the groundwater and drinking water depending on climate parameters
Bakar. Volume: 47. Issue: 2. 2022

6. Parvez, Md. Shohel et al.:
Evaluation of Heavy Metal Contamination in Soil Samples around Rampal, Bangladesh
ACS Omega. 2023

7. Osae, Richard et al.:
Accumulation of heavy metals and human health risk assessment of vegetable consumption from a farm within the Korle lagoon catchment
Heliyon. 2023

8. Sharma, M. et al.:
Exploring the impact of heavy metals toxicity in the aquatic ecosystem
International Journal of Energy and Water Resources. 2024

9. De Marines, Federica et al.:
A modified robustness index for assessing operational performance of drinking water treatment plants: A comparative study within a new regulatory framework
Water Research. Volume: 268. 2025

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