

TONI NIKOLIĆ

PERSONAL INFORMATION

Date of Birth : December 18, 1975
Place of Birth : Tuzla/ BOSNIA AND HERZEGOVINA
Marital Status : Married
Nationality : BiH. (Bosnia and Herzegovina)
Driving License : Class B (Since 1997)
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EDUCATION

2013.	BiH, FBIH, Federal ministry environment and tourism CERTIFICATE Expert certificate for signification validity activity and study impact on environment	Sarajevo/BiH
2017.	University in Tuzla, Mining-geology faculty Department of Geological Engineering (<i>PhD. Degree</i>)	Tuzla/BiH
2004 - 2006	University in Tuzla, Mining-geology faculty Department of Geological Engineering (<i>M.Sc. Degree</i>) 10/10	Tuzla/BiH
1994 - 1999	University in Tuzla, Mining-geology faculty Department of Geological Engineering (<i>B.S. Degree</i>) 10/10	Tuzla/BiH
1990 - 1994	Electro-Technical High School, Department of computer science <i>Average Grade: 4 / 5</i>	Tuzla/BiH

HONOUR DEGREES

2018.	In recognition of effort and support of "9 th international symposium on Eastern Mediterranean geology" 7-11 may 2018, like keynote speaker with subject "The mapping underground spring water, with database in GIS software on sample area municipality Jablanica, BiH" Thank offering-Certificate-Member of scientific committee	Antalya/Turkey
2018.	For especial help to realize human aim of Red Cross and successful supervising action of Red Cross in all subjects, Red Cross of Republic Srpska, City department Trebinje. THANK OFFERING	Trebinje/RS/BiH
2013.	International photo exhibition "Living with landslides" in side of Regional conference about landslide, presented by photo "Floating houses" from Maglaj landslide. Prepossess 2.(second) prize	Zagreb/Hrvatska
2010.	"The appraisal hazard Bosnia and Herzegovina from natural and other adversity" in organization from Ministry security of Bosnia and Herzegovina, supported by NATO, OSCE, DEMA and Save the children Member of working group Council minister of Bosnia and Herzegovina	

		Sarajevo/BIH
2017.	<p>“International consequence management field exercise BOSNA I HERCEGOVINA 2017. Jointly organized by NATO Euro-Atlantic Disaster Response Voordination Center /EADRCC) and Ministry of security of Bosnia and Herzegovina, 25-29 september 2017 in Tuzla, BIH.</p> <p>Certificate of appreciation</p>	
		Tuzla/BIH
October 1999	Graduated like first student in generation from 230 students.	

PROFESSIONAL EXPERIENCE

2017. –	<p>Federal ministry of justice, Federation of Bosnia and Herzegovina</p> <p>Certified court expert for geology</p>	Sarajevo/BIH
2017.-	<p>University “Dzemaal Bijedic” in Mostar, Faculty of Civil Engineering</p> <p>Assistant Professor on subject Engineering geology.</p>	Mostar/BIH
2014 - 2017	<p>University “Dzemaal Bijedic” in Mostar, Faculty of Civil Engineering</p> <p>Senior assistant on subject Engineering geology.</p>	Mostar/BIH
2012-	<p>“Federal geological survey ” Sarajevo, BIH</p> <p>Expert adviser for engineering geology</p>	Sarajevo/BIH
2009 - 2012	<p>“Federal geological survey ” Sarajevo, BIH</p> <p>Senior adviser for engineering geology</p>	Sarajevo/BIH
2009.-	<p>JAA (JICA Alumni Association) for BIH</p> <p>Managing board – vice president</p>	Sarajevo/BIH
2008.	<p>The council team for make environment program of Tuzla municipality for period 2006-2026. year</p> <p>Professional consultant – member</p>	Tuzla/BIH
January 2006-may 2007	<p>“Cerberus” doo Tuzla, BIH, (Company for geology research)</p> <p>Responsible project coordinator</p>	Tuzla/BIH
May 2004-january 2006	<p>WERKOS ing doo Tuzla (Geosyntetic material)</p> <p>Scientific consultant</p>	Tuzla/BIH
January 2002-may 2004	Department for building (Tuzla municipality)	

Geology researcher

Tuzla/BIH

2003-2007

Member of team for monitoring sinking in Tuzla town with GPS and GIS technology with colleagues from Bologna University, Ravenna-Italy.

Tuzla/BIH

2010

The commission for made Law about mode collecting, keep a records, modification, use and share dates, for geology data base, establish data base expert documentations about geology survey and GIS data organization.

FBIH, Federal ministry of energy, mining and industry – expert member

Sarajevo/BIH

ADDITIONAL PROFESSIONAL ACHIEVEMENTS

2017.

PROJECT “Economy recovery and establishment of early warning system in flooded municipalities of Dobož region” – EU, OKC Banja Luka, ZARA

Member of expert team

BIH

2015-2018

Viable Alternative Mine Operating System (VAMOS), supported by HORIZON 2020, EU, included 9 EU countries in project realization.

Team manager instead of Federal geological survey

EU

December 2017.

Teacher guest expert Blow UP, Balkan waste management, University Banja Luka, Faculty of science

Hotspots, remediation and recultivation: experience from JICA project on development of master plan for hotspot remediation in BIH” given by Prof.Nikolic

Banja Luka/BIH

September 2016

Summer school “Mitigation of natural disasters – geophysical investigation and beyond” presented by AGES, SEG, EAGE.

Invited teacher related for landslide investigation - certificated

Kopaonik/Serbia

2013-2014

The project for master plan for remediation of hotspots in Bosnia and Herzegovina, JICA-MOFTER

The expert member of team, certificate

Sarajevo/BIH

25-26. october 2012.

Environmental and Socio-Economic Issues of Unconventional Energy in Europe

Institute for Environment and Sustainability, European Commission – Joint Research Centre - workshop

Arona/Italy

2012.

Report about environment condition in Bosnia and Herzegovina, Study

MOFTER BIH, MDGIF, ENOVA

Member of expert team for establish study

Sarajevo/BIH

Decembar 2010

Workshop “Natural disaster over seismic activity - earthquake”

Coordinator and supervisor project supported by JICA Alumni association BIH

Sarajevo/BIH

November 2010

MAK-JAMC(JICA), International workshop “Promoting cleaner production concept” with presentation with title “Environmental baseline and monitoring for the development of sustainable mine activity”

Ohrid/Macedonia

May 2008	MTA-JICA, Third Country Training Program(TCTP) Methodologies for mineral mapping held at General Directorate of mineral research and exploration. (successfully finish course-certificate)	Ankara/TURKEY
April 2008	JICA "Environmental protection and management of mining area in the Balkan countries" (successfully finish course-certificate)	Tokyo/JAPAN
August-september 2007	Summer school, Italian Ministry and UNESCO-BRESCE, "Social and environmental aspects related to construction and operation of energy facilities" (successfully finish course-certificate)	Tuzla/BOSNIA AND HERZEGOVINA National park Djerdap, SERBIA
May 2007	MTA-JICA, Third Country Training Program(TCTP) Capacity Building on Remote Sensing and GIS (successfully finish course-certificate)	Ankara/TURKEY
March 2007	TWAS and FORGEA INTERNATIONAL, Capacity building in environment related issues in geomining and coastal zone management, (successfully finish training – certificate)	Iglesias-Monteponi/ITALY
December 2005	TENSAR INTERNATIONAL, Technical training work shop of the subject computer program TENSAR PAVE, (Certificate)	Sarajevo/BIH
December 2003	Gauss doo Tuzla, Operator for digital techniques – ProGIS (certificate)	Tuzla/BIH
December 2010	Workshop "Hazardous impact of earthquake" Supervisor and organizer, supported by JICA Alumni association of BIH	Sarajevo/BIH
May-august 2003	Project unique artificial salt lake "Pannonica" inside zone sinking with high technology, geosynthetic material. (Supervisor on project)	Tuzla/BIH
May 1998	Summer University Tuzla, Techniques for the characterization of raw materials for the industry and their transformed products (as assistant and coordinator-certificate)	Tuzla/BIH

COMMUNITY ACTIVITIES

1998 -	HPD Bjelasnica 1923, Mountaineer Club, member
1999 – 2007	R.G.G.F. Tuzla, Speleologist Society, member
2009 -	JAA (JICA alumni association), management board
2011 -	Geotechnology association of Bosnia and Herzegovina, member
2011 – 2013.	The geologist association of Bosnia and Herzegovina, management board

LANGUAGES

Mother language is Bosnian/Croatian/Serbian
Good command of English

COMPUTER PROFICIENCY

Operating Systems DOS,
Windows,
UNIX.

Programming Languages	Fortran, Basic, Delphi 4.0*, Java** C++**.	
Packet Programs	: Office Programs	Word, Excel, PowerPoint
	: GIS Programs	MapInfo, ArcInfo / ArcGIS, ArcExplorer*, ArcView*, PCI Geomatica
	RS/GIS Programs	Erdas Imagine TNT Mips ENVI
	Drawing Programs	Atlantis EarthView Photo Editor, Adobe Photo Shop, Adobe Illustrator Corel Draw*
	Statistics Programs 3D Analysis Programs	: SPSS* :Winsurf, Surfer
	: Geology/Mining/Hydrology Programs	Examine 2D, Stereonet 2.1, Phases,
Internet Programs	Netscape, MS Explorer, FTP, HTML, Dreamweaver, Flash	

PUBLICATIONS

NATIONAL JOURNALS

- Celikovic R., Salihovic R., Dijedovic M., **Nikolić T. (2004)** "Monitoring surface moving in Tuzla town with GPS technology", PROCEEDINGS, Faculty of Mining, Geology and Civil Engineering TUZLA, ISSN 1512-7044, No.XXVII, pp 63-69.
- Dzindo A., Bajtil S., **Nikolić T.(2004)** "Multiple role geomembrans building in cover-shell artificial "Pannonic" salt lake in Tuzla", PROCEEDINGS, Geology association of Bosnia and Herzegovina, Kladanj/BIH, ISBN 9958-9193-0-3, COBISS BH ID 14619910, VOL.1, pp.40-43.
- **Nikolić T. (2006)** "Geophysics measurements below Salt deposit in Tuzla", PROCEEDINGS, Faculty of Mining, Geology and Civil Engineering TUZLA, ISSN 1512-7044, No.XXX, pp 115-119.
- **Nikolić T. (2006)** "Analyse fracture zone in Tuzla town related of dynamic of melting salt below surface", Master book, Mining-geology-civil engineering faculty, University of Tuzla UDK 528.481:622.834 (497 6 Tuzla) 624.131 32:550.83, pp 1-51.
- **Nikolić T.,** Bluashvili D. (Georgia) **(2008)** " The specific influence engineering geology process on stability objects above salt deposit in Tuzla", PROCEEDINGS, Geology association of Bosnia and Herzegovina, Neum/BIH, ISSN 1840-4073, No. III, pp 265-271.
- Čamdžić A., **Nikolić T.,** Babajić A. **(2008)** "The geothermal water in heating function", PROCEEDINGS, Geology association of Bosnia and Herzegovina, Neum/BIH, ISSN 1840-4073, No. III, pp 225-233.
- Filipović A., **Nikolić T. (2009)** "The new analyzes gold ore from deposit in Bakovici", MINING-GEOLOGY JOURNAL, Croatian mining-geology society Mostar, Vitez/BIH, ISSN 1840-0299, No. 13, pp 95-102.
- **Nikolić T.,** Kasupović I. **(2010)** "Engineering geology settings in landslide "Suljakovići" near Maglaj" MINING-

GEOLOGY JOURNAL, Croatian mining-geology society Mostar, Tomislavgrad/BIH, ISSN 1840-0299, No. 14, pp 41-49.

- **Nikolić T., (2011)** "The basic criteria for establish geoparks", MINING-GEOLOGY JOURNAL, Croatian mining-geology society Mostar, Žepče/BIH, ISSN 1840-0299, No. 15, pp 81-88.
- **Nikolić T., Kasupović I. (2011)** "Direct and indirect impact landslide on environment" PROCEEDINGS, Geology association of Bosnia and Herzegovina, Sarajevo/BIH, ISSN 1840-4073, No. III, pp 293-302.
- **Nikolić T. (2011)** "The proposal geoheritage protection on Tuzla basin" PROCEEDINGS, Geology association of Bosnia and Herzegovina, Sarajevo/BIH, ISSN 1840-4073, pp 388-394.
- **Nikolić T., Nikolić J., Hamzabegović A. (2012)** "Litology-paleontologic and structure-tectonic properties area Vrsani near Tuzla", MINING-GEOLOGY JOURNAL, Croatian mining-geology society Mostar, Rama/BIH, ISSN 1840-0299, No. 16, pp 82-90.
- **Nikolić T., Nikolić J., Kasupović I. (2013)** "Mine acid water impact and method to treatment", PROCEEDINGS, Scientific-expert meeting: "Subsidence surface, mine impact, legislative, court practice, abandoned mine, remediation destructed area", Geotechnical association of Bosnia and Herzegovina, Banovići/BIH, ISSN 2303-4262, pp 117-125.
- **Nikolić T., (2013)** "The emergency recovery on landslide Suljakovici", The expert journal for save and secure "Z&S ADRIA", No.5, year II, publisher: Global Security doo, Sarajevo/BIH, ISSN 2233-1328, pp 32-35.
- **Nikolić T., Hamzabegović A. (2013)** "Genesis of tuff and tuffites Tuzla basin with chemical analysis" Geneza tufova i tufita tuzlanskog bazena sa hemijskom analizom", PROCEEDINGS, Geology association of Bosnia and Herzegovina, V Symposium geologist of BIH with international participation, Pale, Jahorina/RS BIH, ISSN 1840-4073, No. V, pp 50-56.
- **Hamzabegović A., Nikolić T. (2013)** "Structural-litology properties deposit of anthracite coal Straža, near Srebrenik", MINING-GEOLOGY JOURNAL, Croatian mining-geology society Mostar, Gornji Vakuf-Uskoplje/BIH, ISSN 1840-0299, No. 17, pp 119-129.
- **Nikolić T. (2014)** "Potentiality oil reserve in Tuzla basin", MINING-GEOLOGY JOURNAL, Croatian mining-geology society Mostar, Mostar/BIH, ISSN 1840-0299, No. 18, pp 155-162.
- **Nikolić J., Nikolić T. (2015)** "The Sulphates springs north Herzegovina", JOURNAL, 1st Congress geologist in Bosnia and Herzegovina with international participation, Geologist association in Bosnia and Herzegovina, Tuzla/BIH, ISSN 1840-4073, No. 1.
- **Hajdarević I., Brkić E., Nikolić T. (2015)** "The Liskovac rock", MINING-GEOLOGY JOURNAL, Croatian mining-geology society Mostar, Kraljeva Sutjeska/BIH, ISSN 1840-0299, No. 19, pp 226-233.
- **Gotovac-Altagić S., Vučenović S., Nikolić T., Tomić A., Stević D. (2016)** "Mining hotspots-potential in expanding the chemical and physical applications of nanomaterials", PROCEEDINGS electronic edition, 11th scientific-Research symposium with international participation, Metallic and nonmetallic materials production-properties-application, University of Zenica, Faculty of metallurgy and materials science, ISBN 978-9958-785-38-2, COBISS.BH-ID 22950406, pp 100-109.
- **Nikolić T. (2016)** "Anthropogenic impact on the stability of slopes in Bosnia and Herzegovina", The 1st International Workshop, TOWARDS THE ADOPTATION TO CLIMATE CHANGE IN SERBIA AND BOSNIA AND HERZEGOVINA AS A RESPONSE TO NATURAL AND ANTHROPOGENIC HAZARDS, Proceedings, Faculty of technical studies, University of Travnik and AGES Belgrade, Serbia, Travnik/BIH, ISSN 2490-2560, pp 23-28.
- **Nikolic T. (2016)** "The proposals for repair landslide "Jezerine" near Konjic", MINING-GEOLOGY JOURNAL, Croatian mining-geology society Mostar, Gabela/BIH, ISSN 1840-0299, No. 20, pp 257-267.
- **Nikolic T. (2017)** "Geological structure properties Tuzla region with suggestion for geological heritage promotion" PhD dissertation, Mining-geology-civil engineering faculty, University of Tuzla, UDK 551.1/.4:5517(497.6 Tuzla)(043.3), pp 1-110.
- **Nikolic T., Nikolic J., Spago A., Hajdarevic I. (2018)** "Geomechanical and geological properties of rock on open pit "Smreka" in Vares for VAMOS project", Proceedings book, scientific-expert symposium GEOEXPO 2018.

ABSTRACTS

- Bluashvili D. (Georgia), **Nikolic T.**, Japaritze N. (Georgia) (2008) "Search criteria for gold mines", REPERTORY PROFESSIONAL ABSTRACTS, Geology association of Bosnia and Herzegovina, Neum/BIH , ISSN 1840-4073, pp.106-107.
- **Nikolic T.**, Babajic A., Čamdžić A. (2008) "Modern methods in function protect environment in and mine management in after exploitation period, on sample from Japan", REPERTORY PROFESSIONAL ABSTRACTS, Geology association of Bosnia and Herzegovina, Neum/BIH , ISSN 1840-4073, pp.102-103.
- **Nikolić T. (2011)** "Underground and surface water, like one of main landslide trigger with a sample from Bosnia and Herzegovina", Book of abstracts, Croatian-Japan project on Risk identification and land use planning for disaster mitigation of landslide and floods in Croatia, 2nd Project workshop, "Monitoring and analyses mitigation of landslide, debris flow and floods", 15-17 december 2011 Rijeka, CROATIA, ISBN 978-953-6953-26-4, CIP RECORD 121013046, pp. 17.
- **Nikolić T. (2013)** "Anthropogenic influence on the stability of slopes in Bosnia and Herzegovina" , Abstract proceedings, 1st Regional Symposium on landslide in the Adriatic-Balkan region, 3rd workshop of the Croatian-Japanese project "Risk identification and land use planning for disaster mitigation of landslide and floods in Croatia", Zagreb, CROATIA, ISBN 978-953-7479-28-2, pp. 80.
- **Nikolić T. (2013)** "Engineering geology process induced by salt exploitation in Tuzla town", Abstract proceedings, 4th workshop of the Croatian-Japanese project "Risk identification and land use planning for disaster mitigation of landslide and floods in Croatia", Split, CROATIA, ISBN 978-953-6116-46-1, pp. 33.
- **Nikolić T. (2015)** "The preventive and urgent sanation activities to avoid landslide consequence – Study case Vogosca Municipality over the period of floods in BIH in may 2014.", Abstracts proceedings book, ReSyLAB 2nd Regional Symposium on Landslide in the Adriatic – Balkan Region, 14-16 may 2015. Faculty of mining and geology University of Belgrade, Serbia, pp. 91-92.
- **Nikolić T.**, Hrvatović H., Rudaž M., Hajdarević I., Nikolić J., Škripić N. (2018) "Geological properties of open pit "Smreka" Vares as a pilot site for testing new mine technology", Abstract book, Join conference UNEXMIN & VAMOS projects USE OF ROBOTICS AND AUTOMATION FOR MINERAL PROSPECTING AND EXTRACTION, 28-31 january 2018., Geological survey of Slovenia, Bled,CIP Ljubljana 007.52.553.7(082), ISBN 978-961-6498-57-9 pp. 27-28.

INTERNATIONAL JOURNALS

- **Nikolić T.**, Mandžić K., Babajic E., Serifovic E. (2007) " Monitoring sinking in Tuzla town like consequence salt exploitation below surface", THE SECOND SCIENCE-EDUCATION CONSALTING – Geotechnical aspects civil design, Soko Banja, REPUBLIC OF SERBIA, ISBN 978-86-904089-4-8, COBISS.SR-ID 144096012, pp. 89-96.
- Mandžić K., Husejinagić E., **Nikolic T.**, (2007) "Effect of sample size on Tenelija strength", THE SECOND SCIENCE-EDUCATION CONSALTING – Geotechnical aspects civil design, Soko Banja, REPUBLIC OF SERBIA, ISBN 978-86-904089-4-8, COBISS.SR-ID 144096012, pp. 63-66.
- **Nikolić T. (2009)** "The sensors system in function of monitoring "Panonic lake" Tuzla, build in very bad geology properties zone", THE SIX SCIENCE-EDUCATION CONSALTING – Condition overview, service and recovery building objects and settlement , Divčibare, REPUBLIC OF SERBIA, ISBN 978-86-904089-6-2, COBISS.SR-ID 158337804, pp. 65-70.
- **Nikolić T. (2009)** "The building in seismic active area – the sample skyscraper "TAIPEI 101", THE SIX SCIENCE-EDUCATION CONSALTING – Condition overview, service and recovery building objects and settlement , Divčibare, REPUBLIC OF SERBIA, ISBN 978-86-904089-6-2, COBISS.SR-ID 158337804, pp. 643-648.
- **Nikolic T.**, Zenunović D. (2009) "The sinking zone establish for building objects which can survive on expected deformation", 11th NATIONAL AND 5th INTERNATIONAL SCIENTIFIC MEETING (INDIS), University of Novi Sad, Faculty of technical sciences, Planing, design, construction and renewal in the civil engineering, Novi Sad - REPUBLIC OF SERBIA, ISBN 978-86-7892-221-3, COBISS.SR-ID 244413959, pp. 403-409.
- **Nikolic T. (2010)** "Afect of tectonic and geological properties on the earthquake disaster in Izmit 1999.", THE SECOND SCIENCE-EDUCATION CONSALTING ABOUT EARTHQUAKE ENGINEERING AND ENGINEERING

SEZMOLOGY, Engineering society of Serbia, Divčibare, REPUBLIC OF SERBIA, ISBN 978-86-904089-8-6, COBISS.SR-ID 174808844, pp. 21-26.

➤ **Nikolic T. (2011)** "Arming soil by using geosynthetic material exposed intensive sinking terrain deformation" 4-th SCIENCE-EDUCATION CONSALTING, Engineering society of Serbia, Zlatibor, REPUBLIC OF SERBIA, ISBN 978-86-88897-00-6, COBISS.SR-ID 186991628, pp. 231-239.

➤ **Nikolić T. (2011)** "Underground and surface water, like one of main landslide trigger with a sample from Bosnia and Herzegovina", Croatian-Japan project on Risk identification and land use planning for disaster mitigation of landslide and floods in Croatia, 2nd Project workshop, "Monitoring and analyses mitigation of landslide, debris flow and floods", 15-17 december 2011 Rijeka, CROATIA, ISBN 978-953-6953-30-1, CIP RECORD 121013798, pp. 69-71.

➤ **Nikolic T. (2012)** "The seismic wave spreading over different geological structure, with a sample from Japan", THE THIRD SCIENCE-EDUCATION CONSALTING ABOUT EARTHQUAKE ENGINEERING AND ENGINEERING SEZMOLOGY, Engineering society of Serbia, Divčibare, REPUBLIC OF SERBIA, ISBN 978-86-88897-02-0, COBISS SR ID 190825996, pp.267-274.

➤ **Nikolic T. (2014)** "Direct and indirect impact of landslide on environment", ENGINEERING GEOLOGY FOR SOCIETY AND TERRITORY – VOLUME 5, Urban geology, sustainable planning and landscape exploitation, Springer, Torino – ITALY, ISBN 978-3-319-09047-4, ISBN (e-book) 978-3-319-09048-1, DOI 10.1007/978-3-319-09048-1, Springer Cham Heidelberg New York Dordrecht London, Library of congress control number: 2114946956, (IF 0,76), pp.1237-1241.

➤ **Nikolić T., Nikolic J. (2016)** "The preventive and urgent sanation activities to avoid landslide consequences – Case study of Vogosca Municipality during the period of floods in BIH in may 2014.", Proceedings book, Third congress of geologist of Republic of Macedonia, Special publication Geologica Macedonica No.4, UDC 55, CODEN-GEOME2, P-ISSN 0352-1206, E-ISSN 1857-8586, Geological society of Republic Macedonia, Struga 2016, pp.223-228.

➤ **Nikolić T., Špago A., Huseinbašić S. (2017)** "Establish the system for early warning from natural disaster which initialize flood and landslide", THE SEVEN SCIENCE-EDUCATION CONSALTING, Engineering society of Serbia, Sabac, REPUBLIC OF SERBIA, ISBN 978-86-88897-10-5, COBISS.SR-ID 249512716, pp. 455-461.

➤ **Špago A., Obad A., Nikolić T. (2017)** "Optimization factor safety on the high support wall", THE SEVEN SCIENCE-EDUCATION CONSALTING, Engineering society of Serbia, Sabac, REPUBLIC OF SERBIA, ISBN 978-86-88897-10-5, COBISS.SR-ID 249512716, pp. 557-565.