

Biographical information, a list of published works, publications and information on pedagogical activity



Personal information

First name(s) / Surname(s)	Jasmin Terzić						
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Address: House number, street name, postcode, city, country	Adema Buče 33, Novi Grad 7100 Sarajevo Bosnia and Herzegovina						
Nationality	BiH						
Date of birth	<table border="1"><tr><td>Day</td><td>Month</td><td>Year</td></tr><tr><td>29</td><td>09</td><td>1969</td></tr></table>	Day	Month	Year	29	09	1969
Day	Month	Year					
29	09	1969					
City of birth	Rogatica						
Faculty, Department	Mechanical Engineering Faculty, Defense technology Department						

WORK EXPERIENCE

Dates (from - to)	20.07.2022. –
Occupation or position held	Associate professor at Defense Technologies Department, Head of Defense Technologies Department
Main activities	Defense Technologies Department
Name and address of employer	University of Sarajevo - Mechanical Engineering Faculty, Vilsonovo šetalište 9, Sarajevo
Description:	Fundamentals of Ballistics, Interior Ballistic of Guns, Methods of Ammunition Testing, Ammunition Maintenance Technologies, Solid Propellant Rocket Motors, Storage of Ammunitions, Tools for Computer Modelling in Ballistics, Storage of Ammunitions, Technologies of Ammunition Integration.
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Dates (from - to)	01.10.2016. – 20.07.2022.
Occupation or position held	Assistant professor at Defense Technologies Department, Head of Defense Technologies Department
Main activities	Defense Technologies Department
Name and address of employer	Mechanical Engineering Faculty, Vilsonovo šetalište 9, Sarajevo
Description:	Ammunition, Introduction to Explosives, Fundamentals of Ballistics, Interior Ballistic of Guns, Methods of Ammunition Testing, Ammunition Maintenance Technologies, Solid Propellant Rocket Motors, Tools for Computer Modelling in Ballistics, Storage of Ammunitions, Technologies of Ammunition Integration, HE Artillery

Dates (from - to)	26.09.2012 – 30.09.2016.
Occupation or position held	Assistant professor at Defense Technologies Department
Main activities	Defense Technologies Department
Name and address of employer	Mechanical Engineering Faculty, Vilsonovo šetalište 9, Sarajevo
Description:	Rocket Propulsion Elements, Interior Ballistic of Guns, Ballistic Measuring Technology, Ammunition Maintenance Technologies, Solid Propellant Rocket Motors, Tools for Computer Modelling in Ballistics, Storage of Ammunitions, Simulations in Ballistics.
Dates (from - to)	24.01.2003 - 26.09.2012.
Occupation or position held	Senior assistant at Defense Technologies Department
Main activities	Defense Technologies Department
Name and address of employer	Mechanical Engineering Faculty, Vilsonovo šetalište 9, Sarajevo
Description	Propulsion of Tactical Rocket, Flight Mechanics, Interior of Ballistic, Ballistic Measuring Technology, Modelling and Simulations in Ballistics
Dates (from - to)	31.03.1999-24.01.2003.
Occupation or position held	Assistant at Department of ballistic
Main activities	Defense Technologies Department
Name and address of employer	Mechanical Engineering Faculty, Vilsonovo šetalište 9, Sarajevo
Description	Numerical Mathematics, Material Science, Flight Mechanics, Design of Ammunition, Propulsion of Tactical Rocket, Ballistic Measuring
Dates (from - to)	01.04.1997 - 31.03.1999.
Occupation or position held	Senior Laboratory Technician at Defense Technologies Department
Main activities	Defense Technologies Department
Name and address of employer	Mechanical Engineering Faculty, Vilsonovo šetalište 9, Sarajevo
Dates (from - to)	01.12.1995 -01.04.1997.
Occupation or position held	Laboratory Technician at Defense Technologies Department
Main activities	Defense Technologies Department
Name and address of employer	Mechanical Engineering Faculty, Vilsonovo šetalište 9, Sarajevo
Dates (from - to)	11.1993 -01.12.1995.
Occupation or position held	Officer in the Army of Bosnia and Herzegovina
Main activities	Officer of operational activities
Name and address of employer	Army of Bosnia and Herzegovina
Dates (from - to)	06.1992 - 11.1993.
Occupation or position held	Engineer designer of Department for research and development
Main activities	Department for research and development
Name and address of employer	Center for research and development with General Staff Army B&H
EDUCATION	
Period	30.01.2008 -10.07.2012.
Name of educational institution	University of Sarajevo, Mechanical Engineering Faculty
Title	Doctor of Technical Sciences
Theme:	Research Influence of Nozzles Geometry on Internal Ballistic Performance Tactical Rocket Motors with Double Base Propellant
Period	1998 -07.11.2002.
Name of educational institution	University of Sarajevo, Mechanical Engineering Faculty

Title	Master of Technical Sciences
Theme:	Prediction the Idealized Internal Ballistic Performance of the Double Base Solid Propellant Rocket Motor
Period	1988-05.11.1996.
Name of educational institution	University of Sarajevo, Mechanical Engineering Faculty
Title	Dipl. Mech. Eng.
Theme:	Thermochemical and gas dynamic calculation of energy performance of rocket propellant and performance rocket motor

Personal skills and competences

Mother langue	Bosnian
English	
Understanding	3
Speaking	2
Writing	2
Organisational skills and competences	Head of the Department for Defense Technologies from 01.10.2016. President of the Assembly of the Union of the University of Sarajevo from October 5, 2021. Vice President of the Union of the University of Sarajevo in the period from 27.09.2017. – 28.12.2019.
Computer skills and competences	Lab View, FORTRAN, MatLAB, C++, Auto CAD, Numerical Simulation (Comet, Fluent), Corel, MS Office, Adobe PhotoShop

SCIENTIFIC-PROFESSIONAL WORK

(Chronological: Scientific articles, Technical papers, Proceedings of national and international meetings)

Scientific articles:

1. Nurin Zecevic, **Jasmin Terzic**, Berko Zecevic and Adis Ajanovic: Analysis of Ventilation Efficiency in the Earth Covered Magazine for Ammunition Storage Using Numerical Simulation, Published under licence by IOP Publishing Ltd, IOP Conference Series: Materials Science and Engineering, Volume 1203, 022069, doi:10.1088/1757-899X/1203/2/022069, (Presented at World Multidisciplinary Civil Engineering, Architecture: Urban Planning Symposium, Prague, Czech Republic, 14th-18th June 2021), December 2021.
2. Razic, F.; Ademovic, Z.; **Terzic, J.**; Serdarevic-Kadic, S. & Burek, M.: Air Gun Pressure Influence on the Projectile Penetration of a 2mm Mild Steel Plate, Proceedings of the 32nd DAAAM International Symposium, pp.0185-0190, B. Katalinic (Ed.), Published by DAAAM International, ISBN 978-3-902734-33-4, ISSN 1726-9679, DOI: 10.2507/32nd.daaam.proceedings.028, Vienna, Austria 2021.
3. Berko Zecevic, Nurin Zecevic, **Jasmin Terzic**, Miroslav Sain: Analysis of Temperature and Relative Humidity Variations in the Large-Caliber Ammunition Containers of NATO and Eastern Concept Depending on the Change of Seasons, EJENS, Volume 6, Issue 1 (2021), pp. 60–67, e-ISSN: 2458-8156; Book of Proceedings of the 7th International Conference on Environmental Science and Technology, pp. 35-43, ISBN 978-605-81426-2-6 ISSN - 2687-2439, Sarajevo, Bosnia and Herzegovina, 23-27 June 2021.
4. Razic, F.; Ademovic, Z.; Burek, M. & **Terzic, J.**: Influence of Controlled and Uncontrolled Casting Conditions on TH-5 Explosive Density, Proceedings of the 31st DAAAM International Symposium, pp.0304-0309, B. Katalinic (Ed.), Published by DAAAM International, ISBN 9783-902734-29-7, ISSN 1726-9679, DOI: 10.2507/31st.daaam.proceedings.042, Vienna, Austria 2020
5. Serdarevic-Kadic, S. & **Terzic, J.**: Preliminary Design Method for Base Bleed Unit, Chapter 05 in DAAAM International Scientific Book 2019, pp.055-070, B. Katalinic (Ed.), Published by DAAAM International, ISBN 978-3-902734-24-2, ISSN 1726-9687, DOI: 10.2507/daaam.scibook.2019.05, Vienna, Austria
6. Serdarevic-Kadic, S. & **Terzic, J.**: Effects of Base Shape to Drag at Transonic and Supersonic Speeds by CFD, Chapter 06 in DAAAM International Scientific Book 2019, pp.071-080, B. Katalinic (Ed.), Published by DAAAM International, ISBN 978-3-902734-24-2, ISSN 1726-9687, DOI: 10.2507/daaam.scibook.2019.06, Vienna, Austria

7. Zecevic, B.; **Terzic, J.**; Razic F. & Serdarevic-Kadic S.: Lethal Influence Factors of Natural and Preformed Fragmentation Projectiles, Chapter 20 in DAAAM International Scientific Book 2015, pp. 219-234, B. Katalinic (Ed.), Published by DAAAM International, ISBN 978-3-902734-05-1, ISSN 1726-9687, Vienna, Austria, DOI: 10.2507/daaam.scibook.2015.20
8. Berko Zecevic, Nurin Zecevic, **Jasmin Terzic** Miroslav Sain: Researching Influence of Climatic Environmental Parameters on Performance of Large Caliber Ammunition during Storage, ICOEST - 1st International Conference on Environmental Science and Technology, Sarajevo, Bosnia and Herzegovina, 9-13 Sept 2015.
9. Berko Zecevic, Kemal Krivic, **Jasmin Terzic**, Mario Baskarad, Alan Catovic, Sabina Serdarevic-Kadic: Influence of energetic characteristics of double-base propellants on internal-ballistics parameters, 15th Seminar "New Trends in Research of Energetic Materials", Part II, pp. 881-892, ISBN 978-80-7395-480-2, University of Pardubice, Pardubice, Czech Republic, April 18–20, 2012.
10. **Jasmin Terzic**, Berko Zecevic, Sabina Serdarevic-Kadic, Alan Catovic, Mario Baskarad: Research of influence of nozzle geometry on internal ballistics performances of solid propellant rocket motors using numerical simulations, 15th Seminar "New Trends in Research of Energetic Materials", Part II, pp. 866-880, ISBN 978-80-7395-480-2, University of Pardubice, Pardubice, Czech Republic, April 18–20, 2012.
11. **Jasmin Terzic**, Berko Zecevic, Sabina Serdarevic-Kadic, Alan Catovic: Numerical simulation of internal ballistics parameters of solid propellant rocket motors, 15th Seminar "New Trends in Research of Energetic Materials", Part II, pp. 881-892, ISBN 978-80-7395-480-2, University of Pardubice, Pardubice, Czech Republic, April 18–20, 2012.
12. Alan Catovic, Berko Zecevic, Sabina Serdarevic-Kadic, **Jasmin Terzic**: Numerical simulations for prediction of aerodynamic drag on high velocity fragments from naturally fragmenting high explosive warheads, 15th Seminar "New Trends in Research of Energetic Materials", Part II, pp. 475-484, ISBN 978-80-7395-480-2, University of Pardubice, Pardubice, Czech Republic, April 18–20, 2012.
13. Sabina Serdarević-Kadić, Berko Zečević, **Jasmin Terzić** and Alan Čatović: Influence of local atmosphere characteristics to range of 155 mm M864 projectile, 15th Seminar "New Trends in Research of Energetic Materials", Part II, pp. 790-799, ISBN 978-80-7395-480-2, University of Pardubice, Pardubice, Czech Republic, April 18–20, 2012.
14. Berko Zecevic, **Jasmin Terzic**, Alan Catovic, Sabina Serdarevic-Kadic: Characterization of distribution parameters of fragment mass and number for conventional projectiles, 14th Seminar "New Trends in Research of Energetic Materials", Part II, pp. 1026-1039, ISBN 978-80-7395-390-4, University of Pardubice, Pardubice, Czech Republic, April 13–15, 2011.
15. **Jasmin TERZIC**, Berko ZECEVIC, Mario BASKARAD, Alan CATOVIC, Sabina SERDAREVIC-KADIC: Prediction of Internal Ballistic Parameters of Solid Propellant Rocket Motors, Problems of Mechatronics - Armament, Aviation, Safety Engineering, 4(6),2011,7-26, ISSN 2081-5891 (Presented at 8th INTERNATIONAL ARMAMENT CONFERENCE – SCIENTIFIC ASPECTS OF ARMAMENT & SAFETY TECHNOLOGY, pp. 990-1006, Military Institute of Armament Technology, Poland, Pułtusz, October 6–8, 2010).
16. Berko ZECEVIC, **Jasmin TERZIC**, Mario BASKARAD, Alan CATOVIC, Sabina SERDAREVIC-KADIC, Zijo PEKIC: Some Design Features of Solid Propellant Rocket Motors for Shoulder-Launched Weapon Systems, Problems of Mechatronics - Armament, Aviation, Safety Engineering, 2(4),2011,7-28, ISSN 2081-5891 (Presented at 8th INTERNATIONAL ARMAMENT CONFERENCE – SCIENTIFIC ASPECTS OF ARMAMENT & SAFETY TECHNOLOGY, pp. 1075-1095, Military Institute of Armament Technology, Poland, Pultus, 6–8, 2010 October).
17. Berko Zecevic, **Jasmin Terzic**, Alan Catovic, Sabina Serdarevic-Kadic: Dispersion of PGU-14 ammunition during air strikes by combat aircrafts A-10 near urban areas, 13th Seminar "New Trends in Research of Energetic Materials", Part II, pp. 797-814, ISBN 978-80-7395-249-5, University of Pardubice, Pardubice, Czech Republic, April 21–23, 2010.
18. Berko Zecevic, Alan Catovic, **Jasmin Terzic** & Sabina Serdarevic Kadic: Analysis of influencing factors of mortar projectile reproduction process on fragment mass distribution, 13th Seminar "New Trends in Research of Energetic Materials", Part II, pp. 783-796, ISBN 978-80-7395-249-5, University of Pardubice, Pardubice, Czech Republic, April 21–23, 2010.
19. Alan Catovic, Berko Zecevic, **Jasmin Terzic**: Analysis of Terminal Effectiveness for Several Types of HE Projectiles and Impact Angles Using Coupled Numerical - CAD Technique, 12th Seminar "New Trends in

Research of Energetic Materials”, Part II, University of Pardubice, Pardubice, pp. 455-472, ISBN 987-80-7395-156-6 April 01–03 2009

20. Zečević B, Čatović A., **Terzić J.**: Comparison of Lethal Zone Characteristics of Several Natural Fragmenting Warheads, Central European Journal of Energetic Materials, 2008, 5(2), 67-81., ISSN 1733-7178
21. Zečević B; **Terzić J.**, Čatović A., Serdarevic-Kadic S.: Influencing Parameters on HE Projectiles With Natural Fragmentation, 9th Seminar “New Trends in Research of Energetic Materials”, University of Pardubice, Pardubice, pp. 780-795, ISBN 80-7194-849-7 April 19-21, 2006
22. Zecevic, B; **Terzic, J.** & Catovic, A.: Influence of Warhead Design on Natural Fragmentation Performances, Annals of DAAAM for 2004 & Proceedings of the 15th International DAAAM Symposium, Viena 2004
23. Zecevic, B; **Terzic, J.** & Catovic, A.: Experimental Research on Influence of Explosive Charge to Natural Fragment Size Distribution, Annals of DAAAM for 2004 & Proceedings of the 15th International DAAAM Symposium, Viena 2004
24. Zecevic, B; **Terzic, J.** & Catovic, A.: Influence of Warhead Case Material on Natural Fragmentation Performances, Annals of DAAAM for 2004 & Proceedings of the 15th International DAAAM Symposium, Viena 2004
25. **Terzić J.**, Zečević B., Serdarević-Kadić S.: Model of Optimization for the Rocket Star Grain, 4th International Symposium, Revitalization and Modernization of Production RIM 2003, Bihać, September 2003
26. **Terzić J.**, Lekić A. and Zečević B.: Prediction the Theoretical Interior Ballistic Properties of Solid Propellant Rocket Motors, Sixth Seminar “New Trends in Research of Energetic Materials”, University of Pardubice, Pardubice, pp. 420-435, ISBN 0-7194-543-9 April 23 – 25, 2003
27. Zečević B., **Terzić J.** and Baškarad M.: Influence of the Solid Propellant Grains Processing on Burning Rate of Double Base Rocket Propellants, Sixth Seminar “New Trends in Research of Energetic Materials”, University of Pardubice, Pardubice, pp. 420-435, ISBN 0-7194-543-9 April 23 – 25, 2003
28. Zečević B., **Terzić J.** & Serdarević-Kadić S.: High Spin Rocket Motor Structural Design Consideration, Annals of DAAAM for 2001 & Proceedings of the 12th International DAAAM Symposium, Katalinic B. (Ed.), pp. 521-522, ISBN 3-901509-19-4, Jena, October 2001
29. Zecevic B., **Terzic J.** and Serdarevic-Kadic S.: Effects of kinematics and mass characteristics of gas flow to basic rate burning of double-base rocket propellants, 3rd International Symposium, Revitalization and Modernization of Production RIM 2001, ISBN 9958-624-10-9, Bihać, September 2001
30. Zečević B., **Terzic J.**: Estimating current burning rate in standard ballistic rocket motor, 2nd International Symposium, Revitalization and Modernization of Production RIM'99, ISBN 9958-624-06-0, Bihać, October 1999.
31. Zecevic B. and **Terzic J.**: The propulsion group's structure for the axial-symmetrical projectiles, Tendencies in application of the structural materials and production technologies ZEPS 96, Zenica, 1996.

Technical papers:

1. **Jasmin Terzić**, Mario Despot, Mario Baškarad, Faruk Razić: Measurement of a parameter on a 40 mm Shoulder-launched rocket, RPG-7MX2, Technical Repair Facility Hadžići d.d., 06.12.2018.
2. Berko Zečević, Svjetlana Zecevic, **Jasmin Terzic**, Miroslav Sain: Monitoring of Temperature and Humidity Changes in Ammunition Storages of Armed Forces of Bosnia and Herzegovina, UNDP Bosnia and Herzegovina, February 11, 2015.
3. Berko Zecevic, **Jasmin Terzic**, Mario Despot, Mario Baškarad: Analysis of vibration sieve VibraTech VBS-2D, Firma Vibrotech doo, Visoko, 14/11/2014
4. Berko Zecevic, Blaz Miheljić and **Jasmin Terzic**: Analysis of liquid explosive mixture formed after the dissolution of the solid explosives with mortar 82 mm and the proposed procedure for safe neutralization on plants TROM-Doboj, BiH Ministry of Defense, 2012.
5. Berko Zečević, **Jasmin Terzić**, Ragib Hodžić, Almir Selmanović, Fadila Konjić, Muhamed Omerbegović, Adnan Garaplija: Study on the upgrade of security standards in ammunition storage sites in Bosnia and Herzegovina, Storage location „Grabež“, The United Nations Development Program, Bosnia and Herzegovina, Sarajevo, 2011.
6. Berko Zečević, **Jasmin Terzić**, Ragib Hodžić, Almir Selmanović, Fadila Konjić, Muhamed Omerbegović, Adnan Garaplija: Study on the upgrade of security standards in ammunition storage sites in Bosnia and Herzegovina, Storage location „Kozlovac“, The United Nations Development Program, Bosnia and Herzegovina, Sarajevo, 2011.

7. Berko Zečević, **Jasmin Terzić**, Mario Baškarad, Mario Despot, Alan Čatović, Sabina Serdarević, Admina Pandzić: Expanding ammunition disposal capacities of GOF 18-Doboj, The United Nations Development Program, Bosnia and Herzegovina, Sarajevo, 2010
8. Berko Zečević, **Jasmin Terzić**, Ragib Hodžić, Sven Badurina, Sadeta Halilagić-Zukanović, Fadila Konjić, Muhamed Omerbegović, Adnan Garaplija: Study on the upgrade of security standards in ammunition storage sites in Bosnia and Herzegovina, Storage location „Gabela“, The United Nations Development Program, Bosnia and Herzegovina, Sarajevo, 2010.
9. Berko Zečević, **Jasmin Terzić**, Ragib Hodžić, Sven Badurina, Sadeta Halilagić-Zukanović, Fadila Konjić, Muhamed Omerbegović, Adnan Garaplija: Study on the upgrade of security standards in ammunition storage sites in Bosnia and Herzegovina, Storage location „Kula I i II“, The United Nations Development Program, Bosnia and Herzegovina, Sarajevo, 2010.
10. Berko Zečević, **Jasmin Terzić**, Ragib Hodžić, Sven Badurina, Sadeta Halilagić-Zukanović, Fadila Konjić, Muhamed Omerbegović, Adnan Garaplija: Study on the upgrade of security standards in ammunition storage sites in Bosnia and Herzegovina, Storage location „Krupa“, The United Nations Development Program, Bosnia and Herzegovina, Sarajevo, 2010.
11. Berko Zečević, **Jasmin Terzić**, Ragib Hodžić, Sven Badurina, Sadeta Halilagić-Zukanović, Fadila Konjić, Muhamed Omerbegović, Adnan Garaplija: Study on the upgrade of security standards in ammunition storage sites in Bosnia and Herzegovina, Brief overview of the state, The United Nations Development Program, Bosnia and Herzegovina, Sarajevo, 2010.

PUBLICATIONS ISSUED

(Chronological textbooks, monographs, books, manuals, lab)

1.	Date	Juni, 2022.
	Authors	Terzic J.
	Name of publication published	Interior ballistic of gun
	Type of publication	Peer-reviewed book, ISBN 978-9926-487-09-6, 242 pages
2.	Date	June, 2013.
	Authors	Terzic J.
	Name of publication published	Military standards for safe handling of explosives, Fourth edition
	Type of publication	Book: Prepared for training in handling, maintenance and inspection of ammunition of members of the Armed Forces and Ministries of Defense of Bosnia and Herzegovina. 210 pages
3.	Date	June 2012.
	Authors	Zecevic B., Terzic J.
	Name of publication published	Basic knowledge of ammunition
	Type of publication	The book was prepared for the regional training of members of the Armed Forces and the Ministries of Defense for the countries of South-Eastern Europe „Ammunition Safety and Ammunition Stockpile Management & Ammunition Demilitarization Technology“, Kragujevac, Republic Serbia, June 2012.
4.	Date	October 2011.
	Authors	Terzic J.
	Name of publication published	Military standards for safe handling of explosives, Third edition
	Type of publication	The book was prepared for the regional training of members of the Armed Forces and the Ministries of Defense for the countries of South-Eastern Europe: „Regional Training Course on Ammunition Stockpile Management: Planning and Managing Stockpile Locations“,
5.	Date	October 2009.
	Authors	Zecevic B., Terzic J. , Catovic A. and Serdarevic-Kadic S.
	Name of publication published	Design of solid propellant rocket motors
	Type of publication	Book: Theory and practice of education of engineers from the company „Astronautic Technology SDN BHD“ Malaysia

	Date	June 2008.
	Authors	Zecevic B., Terzic J. , Catovic A. and Serdarevic-Kadic S.
6.	Name of publication published	Testing Artillery, Mortar and Rocket Ammunition
	Type of publication	Book and Multimedia DVD: Theory and Practice Training for Masters, Engineers and Officers of the Pakistan Ordnance Factory - Pakistan
	Date	June 2006.
	Authors	Zecevic B., Terzic J.
7.	Name of publication published	Ballistic Measurement
	Type of publication	Book and Multimedia DVD: Theory and Exercise Training for Masters, Engineers in Khartoum - Sudan
	Date	Juni 2006.
	Authors	Zecevic B., Terzic J. , Serdarević-Kadić S.
8.	Name of publication published	Basic of Projectile Flight Mechanics
	Type of publication	Book and Multimedia DVD: Theory and Exercise Training for Masters, Engineers in Khartoum - Sudan

PEDAGOGICAL WORK

a) MENTORING

(Chronological: Postgraduates II Cycle, III Cycle Ph.D.)

	Date	29.09.2023.
1.	Details (name of applicant, name of the topic)	Vahid Idrizović, „The influence of the interior ballistic cycle on the temperature distribution in the barrel of a large-caliber weapon“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
	Date	20.07.2023.
2.	Details (name of applicant, name of the topic)	Ilma Subotić, „Range improvement of 107 mm, HE rocket projectile for the multiple rocket launcher Type 63“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
	Date	14.07.2023.
3.	Details (name of applicant, name of the topic)	Nejra Hadžiabdić, „Derivation of the equations for the regression of burning surface of propellant grains in the form of a truncated star and wagon wheel“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
	Date	06.07.2023.
4.	Details (name of applicant, name of the topic)	Almir Omerović, „Derivation of shape function equations for cylindrical granules with 7 and 19 perforations with different web thickness“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
	Date	18.01.2023.
5.	Details (name of applicant, name of the topic)	Iman Omanović, „Ballistic characteristics of rocket propellants for shoulder-launched infantry weapon systems“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
	Date	17.01.2023.
6.	Details (name of applicant, name of the topic)	Elma Ganić, „Modern packing of large calibre ammunition“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)

7.	Date	29.09.2021.
	Details (name of applicant, name of the topic)	Adin Husejnović, „Identifikacija municije velikog kalibra“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
8.	Date	14.07.2021.
	Details (name of applicant, name of the topic)	Adnan Čolo, „Trendovi u razvoju naprednih minobacačkih sistema“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
9.	Date	30.10.2020
	Details (name of applicant, name of the topic)	Muamera Salamović, „Idejno rješenje pogonskog punjenja za municiju 120 mm, APFSDS-T“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
10.	Date	23.10.2020
	Details (name of applicant, name of the topic)	Adis Ajanović, „Identifikacija uticaja parametara okruženja na sigurnost skladišta municije i eksploziva“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
11.	Date	21.10.2020
	Details (name of applicant, name of the topic)	Jasmin Kojić, „Procesi demilitarizacije HE minobacačke municije“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
12.	Date	15.11.2019.
	Details (name of applicant, name of the topic)	Mirza Banda, „Primjena vojnih standarda i test operativnih procedura za utvrđivanje efikasnosti HE municije“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
13.	Date	22.10.2019.
	Details (name of applicant, name of the topic)	Adem Čavčić, „Novi materijali i metode testiranja u proizvodnji napredne HE artiljerijske municije“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
14.	Date	21.10.2019.
	Details (name of applicant, name of the topic)	Nedžad Smajić, „Protivoklopna municija s odbacujućim sabotom stabilisana krilima, APFSDS, kalibra 120 mm“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
15.	Date	18.10.2019.
	Details (name of applicant, name of the topic)	Alina Smajlović, „Predviđanje termohemijskih karakteristika topovskih goriva proizvedenih u BiH“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
16.	Date	04.10.2019.
	Details (name of applicant, name of the topic)	Mensur Čolić, „Uticaj unutrašnjo-balističkog ciklusa na raspodjelu temperature u cijevi pješadijskog oružja kalibra 7,62x51mm“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)

17.	Date	04.10.2019.
	Details (name of applicant, name of the topic)	Aida Talić, „Trendovi u razvoju dimne municije 40 mm za ručne bacače“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
18.	Date	04.10.2019.
	Details (name of applicant, name of the topic)	Elvis Macić, „Unutrašnja-balistički parametri municije 12,7 x 99 mm“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
19.	Date	27.09.2019.
	Details (name of applicant, name of the topic)	Tarik Biogradlija, „Tehnologije usmjerene ka povećanju sposobnosti preživljavanja vojnika“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
20.	Date	10.10.2017.
	Details (name of applicant, name of the topic)	Ibrahim Babić, " Interior and exterior ballistic performance of ammunition 76 x 636 mm, HE-VT“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
21.	Date	26.01.2016.
	Details (name of applicant, name of the topic)	Ajdin Kupus, " New trends in monitoring the condition of ammunition in storage of ammunition“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
22.	Date	09.10.2015.
	Details (name of applicant, name of the topic)	Miralem Burek, " Experimental rocket motor of inert gas“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
23.	Date	05.02.2015.
	Details (name of applicant, name of the topic)	Ida Vatrić, " Improving range artillery rocket 122 mm M-21 OF, for multiple rocket launcher BM-21“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)
24.	Date	26.01.2015.
	Details (name of applicant, name of the topic)	Amina Čamdžija, " High Explosive (HE) artillery ammunition with a rocket motor“
	Faculty	University of Sarajevo, Faculty of Mechanical Engineering
	Type of mentoring	Master of engineering (II Cycle)

b) Courses

1. Participation in an education process for 30 engineers in Khartoum - Sudan (courses of High Explosive Conventional and Advanced Projectiles: part of Interior ballistic of Guns, Aerodynamic and external ballistic spin stabilized projectile, Terminal ballistic of HE projectile). 2018.
2. Training in handling, maintenance and inspection of ammunition for Armed Forces of Peru. Lecturer on subjects: Storage facilities and bases for small caliber ammunition storage, Small caliber ammunition inspection and basic methods for assessment of type and amount of stabilizers in propellant of ammunition, Factory "IGMAN" Konjic, June 2016.
3. Training in handling, maintenance and inspection of ammunition for members of Armed Forces and Ministries of Defense of Bosnia and Herzegovina. Lecturer on subjects: Military standards for safe handling of explosives, Maintenance of ammunition. Faculty of Mechanical Engineering, Sarajevo, June-July 2013.

4. Regional training of members of the Armed Forces and Ministries of Defense of the countries of South-Eastern Europe entitled „Ammunition Safety and Ammunition Stockpile Management & Ammunition Demilitarization Technology“, Lecturer on the subject: The Basics of Knowing the Ammunition. TRZ Kragujevac, June 2012.
5. Regional training of members of the Armed Forces and Ministries of Defense of the countries of South-Eastern Europe entitled "Regional Training Course on Ammunition Stockpile Management: Planning and Managing Stockpile Locations", Lecturer on the subject: Military standards for safe handling of explosives. Faculty of Mechanical Engineering Sarajevo, September 2011
6. Participant in the education process of 18 members of the BiH Armed Forces and military industry factories in the course: Demilitarization and ammunition inspection. Lecturer in the Military standards for safe handling of explosives and Ammunition. Faculty of Mechanical Engineering Sarajevo, March 2011
7. Participant in education process for 3 of Malaysian engineers (Astronautic Technology SDN BHD) at Faculty of Mechanical Engineering Sarajevo (exercises of Design of solid propellant rocket motors). 2009.
8. Participation in education process for 15 officers of B&H Army in courses for Managing and handling ammunitions. Moderator of course and lecturer on two topics (Military standards for safe handling of explosives and Maintenance of Ammunition). University of Sarajevo, Faculty of Mechanical Engineering, 2008.
9. Participation in education process for 30 engineers and officers in POF - Pakistan (exercises for Testing of artillery, mortar and rocket ammunition: part of Flight Mechanics and Internal Ballistic of gun and rocket motors), July 2008, Islamabad-Wah, Pakistan.
10. Participation in education process for 24 engineers in Khartoum - Sudan (exercises for Basics of Projectile Flight Mechanics and Ballistic Measurements). 2006.
11. Participation in education process for 70 officers of Federation B&H Army, Moderator of course and lecturer on two topics (Military standards for safe handling of explosives and Ammunition transport). University of Sarajevo, Faculty of Mechanical Engineering, 2003-2004

Projects

1. Berko Zečević, Jasmin Terzić, Ahmet H. Omerović, Faruk Razić, Miralem Burek, Muamer Šeta: Investigation of blast and fragmentation effects during the impact of artillery projectiles on the civilian population during war operations in urban area of BiH, 2019-
2. Jasmin Terzić, Sabina Serdarević-Kadić, Faruk Razić: Equipping the laboratory for ballistic protection, 2019-
3. Jasmin Terzić, Berko Zečević, Mario Despot, Faruk Razić: Ballistic testing of the level of protection of hot-rolled plates according to the VPAM PM 2007 level 7 standard, Project realized in cooperation with IPI d.o.o. Zenica and Željezara Acroni Jesenice, 2018 and 2019.
4. Jasmin Terzić, Faruk Razić: Training project in propellant and ammunition stability control in accordance with international standards, Project implemented in cooperation with the Ministry of Defense of the Republic of Slovenia and the MoD of BiH, 2017 and 2018.
5. Berko Zečević, Jasmin Terzić, Ragib Hodžić, Sven Badurina, Sadeta Halilagić Zukanović, Fadila Konjić, Muhamed Omerbegović, Adnan Garaplija: Study on the upgrade of security standards in ammunition storage sites in Bosnia and Herzegovina: *Krupa, Gabela, Kula 1 and 2, Kozlovac i Grabež*, The United Nations Development Program, Bosnia and Herzegovina, Sarajevo, 2010.-2011.
6. Berko Zečević, Jasmin Terzić, Mario Baškarad, Mario Despot, Alan Čatović, Sabina Serdarević, Admina Pandzić: Expanding ammunition disposal capacities of GOF 18-Doboj, The United Nations Development Program, Bosnia and Herzegovina, Sarajevo, 2010.
7. Ballistic testing of glass resistance against small caliber projectile attack, Mechanical Engineering Faculty in Sarajevo, December 2009
8. Development of Data Acquisition system in military factory "Igman", Konjic, Bosnia and Herzegovina, September 2009.
9. Programming and Instalation of Data Aquisition System in military factory "Pobjeda- Sport" Goražde, Bosnia and Herzegovina, September 2008.
10. Developed of industry politics in Federation Bosnia and Herzegovina, Sector of Military industry. Member in project. April 2008.
11. Test stand for rocket motors with solid propellant in Laboratory for Interior Ballistic - Main designer and constructor. Project realized in 2002.

12. Trumpet shaped charge mine TKM-1 and TKM-2 - Main designer and constructor. Project realized during the war 1992-1993.

Expertise

1. Berko Zecevic and Jasmin Terzic: Ballistic analysis of the effects of the explosion of two HE projectiles in Kalinovik, on June 3, 1995, Case number T20 0 KTRZ 0006432 13, Court of Bosnia and Herzegovina, 205 pages 2021.
2. Berko Zecevic and Jasmin Terzic: Ballistic analysis at the places where the death or injury of the civilian population was caused or material damage with the aim of determining the caliber of the projectiles, directions and possible launching zones of the projectiles. District Prosecutor's Office Doboj T15 0 KTRZ 0005325 10, 2015
3. Berko Zecevic and Jasmin Terzic: Determining the circumstances of the death of Mediha Halilovic and Edin Rondic on 07.07.1993. on the balcony of the apartment The square of the non-aligned number 9/2 (the then street name) in the settlement of Ciglane, Sarajevo, Prosecutor's Office of Bosnia and Herzegovina, T 20 0 KTA 000 7111 13 of 03.09.2013, 60 pages, 2014
4. Zecevic, B; Terzic, J. & Catovic, A.: Analysis of conditions that led to killing of one person after the explosion of projectile in Gornja Tuzla, Uzejra *Mehičića street* no. 40 on 02.06.1995. at 09:30, Prosecutors of Tuzla Canton KT-RZ-241/97, Sarajevo, DTD-05/08, September 2008.
5. Zecevic, B; Terzic, J. & Catovic, A.: Analysis of conditions of projectile explosion near Hotel "Bristol" in Tuzla on 17.11.1994. around 11 hours, Prosecutors of Tuzla Canton KT-RZ-241/97, Sarajevo, DTD-06/08, June 2008.
6. Zecevic, B; Terzic, J. & Catovic, A.: Analysis of conditions of projectile explosion in Titova street no. 181 on 27.12.1994. around 4 hours, Prosecutors of Tuzla Canton KT-RZ-241/97, Sarajevo, DTD-04/08, June 2008.
7. Zecevic, B; Terzic, J. & Catovic, A.: Analysis of conditions of projectile explosion in Fočanska street no. 19 on 16.06.1995. around 10:25, Prosecutors of Tuzla Canton KT-RZ-241/97, Sarajevo, DTD-07/08, June 2008.
8. Zecevic, B; Terzic, J. & Catovic, A.: Analysis of conditions regarding the killing and wounding of civilians during projectile explosion in Stupine B-4/3 on 05.05.1993. Around 20 hours, Prosecutors of Tuzla Canton KT-RZ-241/97, Sarajevo, DTD-02/08, June 2008.
9. Zecevic, B; Terzic, J. & Catovic, A.: Analysis of conditions regarding the killing and wounding of civilians during projectile explosion in Matije Gubca street no. 5 on 18.07.1995. at 20:50, Prosecutors of Tuzla Canton KT-RZ-241/97, Sarajevo, DTD-03/08, June 2008.
10. Zecevic, B; Terzic, J. & Catovic, A.: Analysis of conditions regarding massacre of civilians in Donje Hrasno on 05.09.1995 at 16:40, Prosecutors of Tuzla Canton KT-RZ-1/99, Sarajevo, DTD-01/08, May 2008.
11. Zecevic B., Terzic J., Catovic A.: "Analysis of conditions regarding massacre of people in square "Kapija" on day 25.05.1995. at 20:55 ", Prosecutors of Bosnia and Herzegovina, December 2007.
12. Zecevic B., Terzic J., Serdarevic-Kadic S., Catovic A.: Killing of "Stari most" (Old bridge in town Mostar), Defense Technology Department, Sarajevo, February 2006.

Computer programs

1. Ballistic Acquisition System, BAS-03S – Software for Electronic Pressure, Velocity, and Action Time measurement. System deployment end implementing for factory POBJEDA Technology Goražde, Bosnia and Herzegovina. Despot M., Terzić J., Zečević B. (2021.)
2. Ballistic Acquisition System, BAS-02 – Development of modular acquisition system (hardware and software) for Electronic Pressure, Velocity, and Action Time measurement. System deployment and implementing for military factory "Igman", Konjic, Bosnia and Herzegovina. Despot M., Zečević B., Terzić J and Čatović A (September 2009.)
3. BDAS_DTD – Software for Ballistic Data Acquisitions (pressure and velocity) of small ammunitions. Software deployment end implementing for factory POBJEDA SPORT Goražde, Bosnia and Herzegovina. Despot M., Zečević B., Terzić J and Čatović A. (2008.)
4. IBGUN – Program for prediction interior ballistic parameters of gun. Terzić J. (2007.)
5. IBMORTAR – Program for prediction interior ballistic parameters of mortars. Terzić J., Pekić. Z. and Zečević B. (2003.)
6. SPPMEF – The Solid Propellant Rocket Motor Performance Prediction Computer Program (SPPMEF) is computer program for the prediction of nozzle and motor performance of solid propellant rocket motors. Zečević B. and Terzić J. (2002.)

7. TCPSP – Program TCPSP (Thermo-Chemical Properties Solid Propellant) which calculates chemical equilibrium product concentrations from any set of reactants and determines thermodynamic and transport properties for the product mixture. Applied algorithm enables calculation of theoretical performances for composite and double-base rocket propellants for frozen and equilibrium expansion. Calculation of theoretical performances of rocket motors is based on assumption of the Infinite-area combustion chamber (IAC) model. Terzić J., Lekić A. i Zečević B. (2002.)

Participation in international conferences

1. ICOEST - 1st International Conference on Environmental Science and Technology, Sarajevo, Bosnia and Herzegovina, 9-13 Sept 2015.
2. 15th Seminar "New Trends in Research of Energetic Materials", University of Pardubice, Pardubice, April 18–20, 2012
3. 14th Seminar "New Trends in Research of Energetic Materials", University of Pardubice, Pardubice, April 13–15, 2011.
4. 8th INTERNATIONAL ARMAMENT CONFERENCE – SCIENTIFIC ASPECTS OF ARMAMENT & SAFETY TECHNOLOGY, pp. 990-1006, Military Institute of Armament Technology, Pultus, Poland, October 6–8, 2010.
5. 13th Seminar "New Trends in Research of Energetic Materials", University of Pardubice, Pardubice, April 21–23, 2010.
6. 12th Seminar "New Trends in Research of Energetic Materials", University of Pardubice, Pardubice, April 01–03 2009
7. 11th Seminar "New Trends in Research of Energetic Materials", University of Pardubice, Pardubice, April 9-11, 2008
8. 9th Seminar "New Trends in Research of Energetic Materials", University of Pardubice, Pardubice, April 19-21, 2006
9. 4th International Symposium, Revitalization and Modernization of Production RIM 2003, Bihać, September 2003
10. 14th International DAAAM Symposium, Sarajevo, 2003.
11. Sixth Seminar "New Trends in Research of Energetic Materials", University of Pardubice, Pardubice, April 23 – 25, 2003
12. 3rd International Symposium, Revitalization and Modernization of Production RIM 2001, ISBN 9958-624-10-9, Bihać, September 2001
13. 2nd International Symposium, Revitalization and Modernization of Production RIM'99, ISBN 9958-624-06-0, Bihać, October 1999.
14. III Međunarodni naučno-stručni skup ZEPS'97, Zenica, 1996.