

## Curriculum vitae



### Personal information

Surname / First name

**Imamović Nusret**

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Date and place of birth

1981/11/30 Zavidovići

### Employment

Dates

October 2006 - November 2010

Name and address of Employer

Faculty of Mechanical Engineering, University of Zenica, Faculty 1, 72000 Zenica

Position held

an assistant

Academic affiliation

an assistant (Decision of the Senate, University of Zenica, from October 2010.)

Main responsibilities

Performing exercises on subjects: Engineering Protection of Air and Water, Eco-protection in the Industry, Management of Waste Materials, Engineering Ecology, Environmental Engineering, Environmental Management, Recycling Waste, Landfills of Waste, Wastewater Treatment and Modeling of Environmental Systems. In addition: technical secretary of the Department of Environmental Engineering; and Quality Manager (since March 2009).

Dates

November 2010 - today ...

Name and address of Employer

Faculty of Mechanical Engineering, University of Zenica, Faculty 1, 72000 Zenica

Position held

a senior assistant

Main responsibilities

Performing exercises on subjects: Wastewater Treatment, Engineering Water Protection, Air Protection Engineering, Environmental Protection in the Industry, Engineering Ecology, Environmental Engineering, Environmental Management, Environmental Monitoring, Measurement Methods of Pollution, Environmental Technologies, Waste Management and Landfills, Waste Recycling Process Design and Environmental Engineering. In addition: technical secretary of the Department of Environmental Engineering; and Manager of Quality (to March 2012).

Dates

November 2014 - today ...

Name and address of Employer

Faculty of Mechanical Engineering, University of Zenica, Faculty 1, 72000 Zenica

Position held

Assistant professor

Main responsibilities

Performing lecture on subjects: Air Protection Engineering and Modeling of ecosystems. Performing exercises on subjects: Environmental Protection in the Industry, Engineering Ecology, Environmental Engineering, Environmental Monitoring and Measurement Methods of Pollution.

### Education and training

Dates

2011 – 2014

Title of qualification awarded	Doctor of Technical Sciences
Description	Doctor's thesis: Researching Biogas Yield in Anaerobic Digestion Process of Solid Waste from the Meat Industry.
Name of organization	University of Zenica, Faculty of Mechanical Engineering in Zenica, educational institutions.
Dates	2007 – 2010
Title of qualification awarded	Master of Technical Sciences
Description	Master's thesis: Analysis of the Level of Efficiency of Wastewater Treatment Aerobic Biochemical Process with Activated Sludge. Scientific Area: Environmental Engineering and Environmental Protection, average grade: 9.77
Name of organization	University of Zenica, Faculty of Mechanical Engineering in Zenica, educational institutions.
Dates	2001 – 2006
Title of qualification awarded	Bachelor of mechanical engineering
Description	Diploma thesis: Influence of constructional elements electrical separation efficiency of the separation of solid particles. Area: Mechanical Engineering in Metallurgy, average grade: 8.5
Name of organization	University of Zenica, Faculty of Mechanical Engineering in Zenica, educational institutions

### Seminars and courses

- Tempus project: "Renewable Energy Studies in Western balkan Countries (RESI), Polytechnic University of Tirana, Tirana, Albania, 22-24 May 2014.
- Sustainable food production and clean processing technologies, held in Barcelona, Spain, 13-15. November 2013. for a period of 27 hours organized by Regional Activity Centre for Cleaner Production of the Mediterranean Action Plan ( UNEP / MAP CP / RAC ), in the framework of the ENPI Horizon 2020 Capacity Building / Mediterranean Environment Programme.
- Construction works in respect of environmental obligations , CETEOR Sarajevo , Building Chamber of Commerce of the Canton of Sarajevo, Sarajevo, Certificate Number: GRO-24/13, February 2013.
- Training of professionals and certification of measuring and monitoring of emissions to air , seminar, CETEOR Sarajevo Hotel "Sarajevo" in Sarajevo, Certificate Number: ME-02/12, december 2012.
- Models of animal waste management, a round table, CETEOR Sarajevo and Federal Ministry of Environment and Tourism, Hotel Hollywood Sarajevo, september 2012 .
- Operation and maintenance of wastewater TREATMANT Plants, held in Istanbul, Turkey, 12-14 September 2012. for a period of 28 hours, organized by UNESCO - IHE Institute for Water Education and the Arab Countries Water Utilities Association ( ACWUA ), in the framework of the ENPI Horizon 2020 Capacity Building / Mediterranean Environment Programme .
- Joint project "Strengthening Higher Education in Bosnia and Herzegovina, the project Council of Europe (European Union), 2009-2010.
- Training and certification of persons in the process of issuing environmental permits involved in the evaluation of the Action Plan and Environmental Impact Studies, etc., Federal Ministry of Environment and Tourism and "Dvokut Pro", Vitez , July 2010.
- Renewable energy sources and environmental protection, seminar governments of Spain (Extremadura province), Mostar, 19 - 20. oktobar 2009.
- Passed a seminar for internal audits of quality management systems (QMS Internal Auditor), Det Norske Veritas , March 2009.
- New environmental technologies and capabilities of the Institute for Ecology and Sustainable Development in Zenica, in cooperation with Fanshawe College, Ontario, Canada, under the PTP II, workshop, January 2007.

### Foreign languages

Self-assessment <i>European level (CEFR)</i>	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken interpretation	
<b>English</b>	B2	B2	B2	B2	B2

## Technical skills and competencies

- The use of advanced computer technology and software programs that rely on the use of technical measuring equipment for determining air quality: analyzers for SO<sub>2</sub>, CO, NO<sub>x</sub>, PM<sub>10</sub>, O<sub>3</sub>, BTEX's, and meteorological equipment with complete monitoring, maintenance, calibration, and preparation of quarterly and annual reports (three years of active work; training Austrian company MLU).
- The use of off-road, mobile combustion gas analyzer TESTO 350-xl: CO, SO<sub>2</sub>, CO<sub>2</sub> (%), NO<sub>x</sub>, H<sub>2</sub>S, temperature, pressure and O<sub>2</sub> (over 20 field measurements for different boiler capacity).
- Use of mobile devices to determine the concentration of solid particles in the exhaust gas, SICK 100, GRAVIMAT (gravimetric reference method) performed over 10 different measurements in the field.
- Use handheld meter noise level (instrument "Brüel & Kjaer" type built in 2250 with 1 and 1/3 octave filter, diffuser and calibrator). Done over 20 measurements.
- Use hydrometric wings for determination of flow in open channels and multiple parameter analyzer water quality (pH, temperature and conductivity).

## IT skills and competencies

Advanced and active use of MS Office, SolidWorks, AutoCAD, Statistica, Adobe Photoshop.  
time to time: Matlab, SelmaGIS; Visual Studio Basic, MOSTforWATER (WEST), SIMBA, CorelDraw.

## Additional information

### Areas of Scientific Interest

- Environmental protection and technical aspects (devices for wastewater treatment and technical systems for the treatment of waste gases),
- Management and treatment solid waste,
- Environmental Impact Assessment,
- Environmental Monitoring (water, air, noise).

### Membership in organizations

- Court expert environmental (Federal Ministry of Justice, Sarajevo, decision no.: 01-06-3-1078-452/11, 2012),
- Licensed counselor (certified) of the Federal Ministry of Environment and Tourism with the Commission for the issuance of environmental permits,
- Professional examination in the field of mechanical engineering, process technique (Federal Ministry of Spatial Planning, 2010.),
  - On the list of experts to participate in the work of the technical inspection of facilities, Zavidovići Municipality, 2012,
- Member of the "Company Maintenance in BiH" ,
- Secretary of the Organizing Committee of the International Conference "EMFM" Zenica 2012,
- Member of the Organizing Committee of the conference "MAINTENANCE" (2010 and 2012. year),
- Permanent member of the Operational Staff for activate emergency measures in case of excessive pollution of the ambient air (Kakanj, 2011 to present).

### Publication

- 2 books (university textbooks),
- 2 papers in indexed journals,
- 2 papers in other journals,
- 25 papers in conference (conferences, symposia, conferences),
- 1 international expert project,
- 1 national scientific research project (through a doctoral dissertation),
- 20 national research projects,
- 2 reviews papers at international conferences.

### Reviews

- Two papers at scientific and professional conference with international participation "Quality 2013", Neum, June 2013.

### Awards

- Compliments Faculty of Mechanical Engineering in Zenica for success accomplished during all the years of study,
- Document originated Scholar Foundation "Heinrich Boll" (Foundation Green Party of Germany).

## Publications

### BOOKS

1. Š. Goletić, N. Imanović, N. Avdic, Wastewater Treatment, University of Zenica, ISBN 978-9958-639-51-7, Zenica, 2014.
2. N. Avdic, Š. Goletić, N. Imanović, Technical systems for purification of waste gases, University of Zenica, ISBN 978-9958-639-50-0, Zenica, 2013.

### PAPERS IN INDEXED JOURNALS

1. N. Imanović, Š. Goletić, Testing the Biomethane Yield of Degradable Wastes of Meat Industry by BMP Test, *Chemical and Biochemical Engineering Quarterly (CABEQ)*, Original scientific paper, ISSN 0352-9568, 28 (1) 137-143, 2014.
2. Š. Goletić, N. Imanović, Statistical analysis of the efficiency treatment of wastewater, Journal of society development of teaching and business processes in new net environment in B&H (item), ISSN 1840-1503, Vol.5, Pages 836-839.No.4, 2010.

### PAPERS IN OTHER JOURNALS

1. Š. Goletić, N. Imanović, H. Schwarczová, The dust emission control in production of ferroalloys by application of best available technics, *Acta Technica Corviniensis – Bulletin of Engineering*, Tome VI, Year 2013, No. 3; ISSN 2067-3809, page 21-24, Ed.: Imre Kiss, University Politehnica Timisoara, Faculty of Engineering Hunedoara, Romania.
2. Š. Goletić, N. Imanović, Modeling the dispersion of so<sub>2</sub> in zenica valley, *Annals of Faculty Engineering Hunedoara – International Journal of Engineering*, Tome XI, Year 2013, No. 4; ISSN 1584-2673, page 47-52, Ed.: Imre Kiss, University Politehnica Timisoara, Faculty of Engineering Hunedoara, Romania.

### CONFERENCE PAPERS

1. S. Šerbula, D. Živković, Š. Goletić, N. Imanović, The Quality of Ambient Air of Copper and Ferrous Metallurgy, International Scientific Conference Environmental and Material Flow Management, „EMFM 2015“, Zenica, 05-07 November 2015.
- 2.
3. Š. Goletić, N. Imanović, Heidy Schwarczová, International Symposium on Environmental and Material Flow Management, „EMFM 2012“, The dust emission control in production of ferroalloys by application of best available technics, Zenica, 07-09 Jun 2012.
4. Š. Goletić, N. Imanović, V. Birdahić, J. Duraković, International Symposium on Environmental and Material Flow Management, „EMFM 2012“, The significance of differences level pollutant emissions combustion of different fuels, Zenica, 07-09 Jun 2012.
5. Š. Goletić, N. Imanović, Monitoring of air quality in Zenica valley, „Trends in the Development of Machinery and Associated Technology“, TMT 2011, Prague, Czech Republic, 12-18 September 2011.
6. N. Imanović, Š. Goletić, Research biogas yield in the process of anaerobic digestion of waste from the meat industry, 7 Scientific conference with international participation, „Quality 2011“, Neum, Bosnia and Herzegovina, Ed. Safet Brdarević, 7 (1): 1-4 june 2011.
7. Š. Goletić, M. Imanović, N. Imanović, State of Environment in Bosnia and Herezegovina, International Symposium on Environmental and Material Flow Management, Zaječar, Serbia, 26-28. maj 2011.
8. N. Imanović, Š. Goletić, S. Ekinović, Definition of statistic, corrected and classical degree of efficiency wastewater treatment, TMT 2010, Mediterranean Cruise, 11-18 September 2010.
9. Š. Goletić, N. Imanović, Testing quality of technological waste water in Zenica industrial zone, TMT 2010, Mediterranean Cruise, 11-18 September 2010.
10. N. Imanovic, Š. Goletić, S. Ekinović, Maintenance of technological parameters in the function level of efficiency of wastewater treatment plant in the town of Srebrenik conference "Maintenance 2010", Zenica, Bosnia and Herzegovina, Ed.Safet Brdarević, Jabahudin Jašarević, 1 (1): 255-262, 10-13 Juni 2010.
11. Š. Goletić, S. Ekinović, N. Imanović, Mathematical model of chemical oxygen demand in function other wastewater parameters, „Trends in the Development of Machinery and Associated Technology“ TMT 2009, Hammamet, Tunisia, Ed. Sabahudin Ekinović, Jenaj Yalcin, Joan Vivacos Calvet, 13 (1): 301-304, 16-21 October 2009.
12. N.Imamović, Š. Goletić, J. Hodolič, Eco-labeling type I, 6 Scientific conference with international participation, "Quality 2009", Neum, Bosnia and Herzegovina, Ed. Safet Brdarević, 6 (1): 495-502, 4-7 june 2009.
13. N.Imamović, A.Halilović: Methods of water meter automatic reading, „Trends in the Development of Machinery and Associated Technology“ TMT 2008, Istanbul, Turkey, Ed. Sabahudin Ekinović, Jenaj Yalcin, Joan Vivacos Calvet, 12 (1): 633-636, 26-30 Avgust 2008.
14. N.Neimarlija, E. Džaferović, N.Imamović, Electrical characteristics in electrostatic precipitator with shaped collecting electrodes, „Trends in the Development of Machinery and Associated Technology“ TMT 2007, Hammamet, Tunisia, Ed. Sabahudin Ekinović, Jenaj Yalcin, Joan Vivacos Calvet, 11 (1): 1211-1214, 05-09 Septembar 2007.
15. N. Imanović, H. Simičić, S. Salihović, V. Selimbašić: Current opportunities reclamation ash-mine using thermal mineral mining wastes, International scientific conference "Quality 2007", Neum, Bosnia and Herzegovina, Ed. Safet Brdarević, 5 (1): 533-538, 6-9 juna 2007.
16. Š. Goletić, N. Imanović, The influence of structural elements electro-separation efficiency of the separation of solid particles, International scientific conference "Quality 2007", Neum, Bosnia and Herzegovina, Ed. Safet Brdarević, 5 (1):349-554, 6-9 juna 2007.

## INTERNATIONAL PROJECTS

1. Tempus project: "Renewable Energy Studies in Western Balkan Countries (RESI).
2. ERASMUS MUNDUS: Green-TECH (2014-2017), project coordinator at University of Zenica.
3. N. Imamović, "Network and deputy"- mobility application", for CEEPUS (2008/2012): „Science without border-bridge between Central Europe and Balkan“.

## NATIONAL PROJECTS

1. Goletić, Š., Imamović, N., Study on the Environmental Impact Assessment (EIA) for biomass heating plants in Nemili, Faculty of Mechanical Engineering in Zenica, 2012.
2. Goletić, Š., Imamović, N., Plan with measures and deadlines for the gradual reduction of emissions and pollution and to compliance with the best available duct technique for plants and facilities for SteelMin d.o.o. Jajce (ex.Elektrobosna), Faculty of Mechanical Engineering in Zenica, 2011.
3. Goletić, Š., Duraković, J., Imamović, N., EIA for Plan for mechanical-thermal waste treatment „Alba Zenica“ d.o.o. Zenica, Faculty of Mechanical Engineering in Zenica, 2011.
4. Goletić, Š., Duraković, J., Imamović, N., EIA for plan for meat treatment and transformation „Bajra“ d.o.o. Dolac n/L Travnik, Faculty of Mechanical Engineering in Zenica, 2010.
5. Goletić, Š., Duraković, J., Imamović, N., EIA for Complex Slaughterhouse Plant „Bajra“ d.o.o. Dolac n/L Travnik, Faculty of Mechanical Engineering in Zenica, 2010.
6. Goletić, Š., Imamović, N., EIA for wood industry „XYLON Corporation“ d.o.o. Sarajevo-Ilijaš, Faculty of Mechanical Engineering in Zenica, 2010.
7. Goletić, Š., Imamović, N., EIA for Compressor station in the working place complex ArcelorMittal Zenica, Faculty of Mechanical Engineering in Zenica, 2010.
8. Goletić, Š., Imamović, N., Study on the environmental impact assessment (EIA) for the operation and installation of vapor condensation within the working complex of ArcelorMittal Zenica, Faculty of Mechanical Engineering in Zenica, 2010.
9. Goletić, Š., Imamović, N., Study of the influence on the environment for the quarry „Ribnica“ u Banovići community, za „Plantras Dijabaz“ d.o.o. Banovići, Faculty of Mechanical Engineering in Zenica, 2010.
10. Goletić, Š., Imamović, N., Plan of activities with measures and deadlines for the gradual reduction of emissions and pollution and to compliance with the best available duct technique for plants and facilities "Građevinar" d.o.o. Novi Travnik, Faculty of Mechanical Engineering in Zenica, 2010.
11. Goletić, Š., Imamović, N., Studies on the environmental impact assessment for the plant and machinery for production of electricity and thermal energy for KTG d.o.o. Zenica, Faculty of Mechanical Engineering in Zenica, 2010.
12. Goletić, Š., Imamović, N., Study on the environmental impact assessment for the operation and device for deposition of iron in the raw pit within the working complex ArcelorMittal Zenica, Faculty of Mechanical Engineering in Zenica, 2010.
13. Goletić, Š., Imamović, N., Study on the environmental impact assessment for major highway in Zenica (city shares), Faculty of Mechanical Engineering in Zenica, 2009.
14. Goletić, Š., Imamović, N., EIA for quarry "Vlake" "Vulkan – Plam" d.o.o. Blatnica, Faculty of Mechanical Engineering in Zenica 2009.
15. Goletić, Š., Imamović, N., Terzić, S., Plan with measures and deadlines for the gradual reduction of emissions and pollution and to compliance with the best available duct technique for plants and facilities "Komar" d.d. Donji Vakuf, Faculty of Mechanical Engineering in Zenica, 2009.

## THESES AND DISSERTATIONS

1. **Imamović, N.:** "Researching the biogas yield in the process of anaerobic digestion of solid waste from the meat industry, University of Zenica, Faculty of Mechanical Engineering, doctoral dissertation, Zenica, September 2014.
2. **Imamović, N.:** "Analysis of the Level of Efficiency of Wastewater Treatment Aerobic Biochemical Process with Activated Sludge", University of Zenica, Faculty of Mechanical Engineering, master's thesis Zenica, 2010.
3. **Imamović, N.:** "Influence of constructional elements electrical separation efficiency of the separation of solid particles", University of Zenica, Faculty of Mechanical Engineering, diploma's thesis Zenica, 2006.