

PERSONAL INFORMATION

Aleksandar Jovovic



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 [Replace with type of IM service](#) Replace with messaging account(s)

Sex Male | Date of birth 12/05/1966 | Nationality Serbian

WORK EXPERIENCE

- 2012-present **Full professor**
University of Belgrade, Faculty of Mechanical Engineering and NTNU, Trondheim, Norway
- Professor at the several subjects in the field of environmental protection at the B.Sc, M.Sc and Ph.D. programmes
- 2007-2012 **Business or sector** Education
Ass. professor
University of Belgrade, Faculty of Mechanical Engineering and NTNU, Trondheim, Norway
- Professor at the several subjects in the field of environmental protection at the B.Sc, M.Sc and Ph.D. programmes
- 2006-2009 **Business or sector** Education and management
Ph.D. study program Sustainable Energy and Environment in Western Balkans
University of Belgrade, Faculty of Mechanical Engineering and NTNU, Trondheim, Norway
- Lecturer and project coordination
- 2005-2006 **Business or sector** Education
Master courses – Climate change, Waste and renewable energy sources and CDM
University of Belgrade, Faculty of Mechanical Engineering and Willy Brandt Foundation
- Lecturer and project coordination
- 2002-2005 **Business or sector** Education and management
Assistant professor
University of Belgrade, Faculty of Mechanical Engineering and NTNU, Trondheim, Norway
- Professor at the several subjects in the field of environmental protection at the B.Sc, M.Sc and Ph.D. programmes
- 1998-2002 **Business or sector** Education and management
Alternative Academic Educational Network
Alternative Academic Educational Network, belgrade, Serbia
- Lecturer in the program "The environment - a challenge for science, technology and the society"
- 1998-2002 **Business or sector** Education
Teaching assistant
University of Belgrade, Faculty of Mechanical Engineering
- Teaching assistant
- 1992-1998 **Business or sector** Education
Research assistant

University of Belgrade, Faculty of Mechanical Engineering

- Research assistant

Business or sector Research and development

EDUCATION AND TRAINING

1999-2002 Ph.D. in Technical Sciences

Replace with EQF (or other) level if relevant

University of Belgrade, Faculty of Mechanical Engineering, Serbia

1992-1996 M. Sc. in Mechanical Engineering

Replace with EQF (or other) level if relevant

University of Belgrade, Faculty of Mechanical Engineering, Serbia

1985-1992 Dipl. Eng. of Mechanical Engineering

Replace with EQF (or other) level if relevant

University of Belgrade, Faculty of Mechanical Engineering, Serbia

PERSONAL SKILLS

Mother tongue(s) Serbian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1/2	B1/2	B1/2	B1/2	B1/2
Replace with name of language certificate. Enter level if known.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Social skills and competences
Job-related skills

- Regional experience (Western Blakan region) 2001-present
- Expert for air dispersion modelling,
- Expert for Furnaces and Boilers,
- Expert for Biomass Combustion,
- Expert for Biomass Pellet combustion,
- Expert for Environmental Control (small and large scale plants),
- Expert for Measuring of Emission from Boilers and Furnaces,
- Expert for air pollution from stationary sources,
- Expert for Energy and Climate Change,
- Familiar with Fuels and Combustion,
- Familiar with Biogas production

Organisational / managerial skills

- Team leader for several EIA and Due diligence studies
- Experiences in project development, management in the area of waste management, air pollution control
- Education in the area of energy, energy efficiency, environmental protection

Computer skills

- Computer literacy

Driving licence ▪ B

ADDITIONAL INFORMATION

Publications

Papers in journals

1. Tucaković, D., Stevanović, V., Živanović, T., Jovović, A., Ivanović, V., Thermal-hydraulic analysis of a steam boiler with rifled evaporating tubes, Applied Thermal Engineering, Vol. 27, No. 2-3, p. 509-519, 2007, IF 0,77 (za 2005. godinu), ISSN 1359-4311
2. Stanojević, M., Radić, D., Jovović, A., Pavlović, M., Karamarković, V.: The influence of variable operating conditions on the design and exploitation of flu ash pneumatic transport systems in thermal power plants, Brazilian Journal of Chemical Engineering, Vol. 25, No. 04, p. 789-797, 2008., IF 0,475 (za 2008. godinu), ISSN 0104-6632.
3. Kuburović, M., Petrov, A., Stanojević, M., Jovović, A., Results of experimental research in metal scraps drying process, FME Transaction, Vol.23 (1994), No.1, 17-22, Belgrade, Yugoslavia
4. . Kuburović, M., Đurić, S., Jovović, A., Karan, M., Equilibrium constant during dry flue gas desulphurisation, FME Transaction, Vol.28 (1999), No.1, 20-23, Belgrade, Yugoslavia
5. Đurić, S., Kuburović, M., Jovović, A., The model for theoretical determination of composition of a heterogeneous equilibrium mixture in the course of chemical reactions, FME Transaction, Vol.30 (2002), No.2, 47-52, Belgrade, Yugoslavia
6. Kuburović, M., Đurić, S., Jovović, A., Karan, M., Effect of temperature on a free energy and equilibrium constants during dry flue gas desulphurisation chemical reactions, Thermal science, Vol.6 (2002), No.2, 71-79, Belgrade, Yugoslavia
7. Jovović, A., Uskoković, P.S., Mihajlov, A., Stevanović Čarapina, H., Radić, D., Stanojević, M., Waste Management Engineering and Practice in West Balkan Countries-Case study Serbia, Annual Journal of Institute of Industrial Engineers, Hong Kong, ISSN 1609-3208, Vol. 26 (2005/2006), pp 11-20.,
8. Čudić V., Kisić D., Stojiljković D., Jovović A.: Ash from thermal power plants as secondary raw material, Archives of Industrial Hygiene and Toxicology, Vol. 58, No. 2, pp. 233-238, 2007.
9. Stanojević, M., Jovović, A., Radić, D., Pavlović, M.: Oxygen transfer efficiency of the aeration process in refinery waste water treatment, Revista de Chimie, Vol. 59, No. 2, p. 200-224, Suscom 18, 2008, IF 0,389 (za 2008. godinu), ISSN 0034-7752.
10. Jovović A., Kovačević Z., Radić D., Stojiljković D., Obradović M., Todorović D., Stanojević M.: The emission of particulate matters and heavy metals from cement kilns – case study: co-incineration of tires in Serbia, Chemical Industry & Chemical Engineering Quarterly Vol. 16, No. 3, pp. 213–217, 2010. (IF2010=0.580), DOI: 10.2298/CICEQ090902010J, ISSN 1451-9372.
11. Đurić, S., Stanojević, P., Đaković, D., Jovović, A., Study on the effect of fractional composition and ash particle diameter on ash collection efficiency at the electrostatic precipitator, Chemical Industry & Chemical Engineering Quarterly CI&CEQ (2010) vol. 16, No. 3, pp. 229-236, 2010., (IF2010=0.580), DOI:10.2298/CICEQ091026016D, ISSN 1451-9372
12. Jovović, A., Vujić, G, Pavlović. M., Radić, D., Jevtić, D., Stanojević, M.: Spontaneous Ignition/Low Temperature Oxidation of Municipal Solid Waste, Revista de Chimie, Vol. 62, No. 1, p. 108-112, 2011, (IF2010=0,693), ISSN 0034-7752
13. Klarin, M., Milanović, D.D., Misita, M., Spasojević-Brkić, V., Jovović, A.: A method to assess capacity utilisation in short cycle functional layouts, Journal of process mechanical engineering, part E, (2010) vol. 224, No E1, 49-58 (IP 0,520 za 2010), doi: 10.1243/09544089JPME280, ISSN 0954-4089.
14. Radić, D., Obradović, M., Stanojević, M., Jovović, A., Stojiljković, D.: A Study of the Grindability of Serbian Coal, Thermal Science, Vol. 15 (2011), No 1, 2011 (IF2010=0,706 M23), ISSN 0354-9836, DOI: 10.2298/TSCI1101269R.
15. Petrović, A., Balać, M., Jovović, A., Dedić, A., Oblique nozzle loaded by the torque moment-stress state in the cylindrical shells on the pressure vessel, PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, (2012), vol. 226 br. C3, str. 567-575, (IF 0,451) (za 2010. godinu), ISSN 0954-4062, 10.1177/0954406211415907
16. Životić, M., Stojiljković, D., Jovović, A., Čudić, V., Mogućnost korišćenja pepela i šljake sa deponije termoelektrane „Nikola Tesla“ kao otpada sa upotrebom vrednošću (Potential usage of fly and bottom ash from thermal power plant "Nikola Tesla" landfill, Serbia), Hemijska industrija, 2012 OnLine-First (00):95-95, DOI:10.2298/HEMIND110905095Z
17. Janjuš, Z., Petrović, A., Jovović, A, Ilić, P., Pavlović, S., Analysis of the amount of communal waste, Technics Technologies Education Management, vol. 7, no. 1, 2013., (IF 0,256) (za 2010. godinu), ISSN 1840-1503

18. Skreiberg, Ø., Todorović, D., Becidan, M., Khalil, R., Backman, R., Goile, F., Skreiberg, A., Jovović, A., Sørnum, L., Ash related behaviour in staged and non-staged combustion of biomass fuels and fuel mixtures, *Biomass and Bioenergy*, vol. 41, p. 86-93 (IF 3,840) (za 2010. godinu), 2012.
19. Houshfar, E., Skreiberg, Ø., Todorović, D., Skreiberg, A., Løvås, T., Jovović, A., Sørnum, L., NOx emission reduction by staged combustion in grate combustion of biomass fuels and fuel mixtures, *Fuel*, vol. 98, p. 29-40, 2012 (IF 3,602) (za 2010. godinu), 2012.
20. Radić D, Jovović A, Stanojević M, Obradović M, Todorović D: *Pollutants emission from small-scale biomass combustion appliances*, *Process Technique*, No. 1, pp. 40 – 46, 2014.
21. Todorović D., Jovović A., Petrov O., Radić D., Obradović M., Karličić N., Stanojević M. *Using air dispersion modeling to evaluate stack characteristics*, *Process Technique*, No. 2, pp. 28 – 36, (2015)

Internationals books and monographs

22. Todorović M., Stevanović-Janezić, T., Kosi, F., Kuburović, M., Koldžić, G., Jovović, A.: *Forestry, municipal and agricultural wastes for fuels and chemical production in Yugoslavia - resources and engineering data*, in: *Solid Waste Management / Ed. Grover, V., Guha, B.K., Hogland, W., McRae, S.G., Oxford&IBH Publishing Co.Pvt.Ltd., New Delhi, 2000. - chapter 20, p.273-295.*
23. Jovović, A., Karan, M., Petrović, A.: *Process and equipment in waste treatment systems*, in: *Developments of equipment in process and environmental engineering / Ed. Kuburović, M. et al., Faculty of Mechanical Engineering, Belgrade and Mechanical Engineering, Timisoara, 2000. - chapter 6, p. 97-122*
24. Ilić, M., Stevanović-Čarapina, H., Jovović, A., Pešić, R., Tanasković, M., Jovanović, S., Petković, G.: *WAMASPO – Designing Waste Management Strategic Policy Framework*, *The Regional Environmental Center for Central and Eastern Europe, Country office Yugoslavia, Belgrade, 2002.*
25. Kuburović, M., Jovović, A.: *Municipal wastes and landfill gases utilization – renewable resource of energy and materials*, in: *Environmental Recovery of Yugoslavia / Ed. Antić, P., Vujić, J., Vinča Institute of Nuclear Science, Belgrade, 2002. - chapter 6, p. 761-774*

Projects:

26. Delivery of sustainable supply of non-food biomass to support a “resource-efficient” Bioeconomy in Europe, Project S2BIOM, funding from the European Union’s Seventh Framework Programme (FP7) for research, technological development and demonstration under grant agreement No FP7-608622, 2013.-2016.
27. Innovation Vouchers scheme for resource efficiency technologies and services: programme preparation and definition of possible implementation approaches (TCRS 1654) funded by European Bank for Reconstruction and Development (EBRD), C33260/CEI2-2015-11-17 for Serbia, 2016.
28. Demonstration of integrated logistics centres for food and non-food applications, Project AGROinLOG, funding as part of the Horizon 2020 – the Framework Programme for Research and Innovation (2014-2020), under the Call H2020—RUR-2016-2017 Topic RUR-08-2016., Under Grant agreemen preparation.
29. Modeling air quality impact of TPPs Kostolac A and B in order to examine the possibility for reducing the high of future B3 unit stack (2016)
30. Clime Activity 3.2 Inventory systems and the EU Monitoring Mechanism Regulation Working Group (2016)
31. Possibilities of TPP Morava location for treatment of inorganic industrial hazardous waste – Feasibility study (2015-2016)
32. Assist UNDP and Serbian Environmental Protection Agency of the Ministry of Agriculture and Environmental Protection (SEPA) in identifying the national emission factors and calculating national emissions in the Energy sector for the reporting period 1990-2013. (2015)
33. Serbia-Second National Communication - Reporting on Greenhouse Gases (GHG) Inventory and Climate Change (2014-2015)
34. Low Carbon South East Europe (LOCSEE) - Modelling of low carbon policies, development and improvement of low carbon policy papers, organization of workshops with stakeholders for development or improvement of low carbon policy papers, contribution to the LOCSEE good practice platform with the development of good practice examples, attendance of workshops and LOCSEE project events etc. (2014)
35. Global Market Transformation for Efficient Lighting-demonstration project for Serbia (2013-2014)
36. Environmental Impact Assessment Study – Construction of new unit B3 of TPP “Nikola Tesla B” (2013)
37. Environmental Impact Assessment Study - FGD plant for TPP “Nikola Tesla B1 and

- B2" (2013)
38. The main purpose of the exercise is to start developing better knowledge and capacity as to gradually improve/increase the technical and institutional ability of the RENA countries to prepare submissions of National Inventory Reports in the framework of the MMD. (2012)
 39. Dispersion modeling of SO₂, NO₂ and PM₁₀ before and after the construction of a flue gas desulphurization plant in A3-A6 units of TPP "Nikola Tesla A" (2012)
 40. Environmental Impact Assessment Study - FGD plant for TPP "Nikola Tesla A" (2012)
 41. Field Survey Assistance and Information Gathering in Serbia for the "FY2011 Capacity Building Project for Measurement, Reporting and Verification (MRV) of Greenhouse Gas (GHG) Emission Reductions in Central and Eastern Europe" (2011-2012)
 42. Preparation of *Forms for data collection for National GHG Inventory* within the project *Activities on training for the development of the Initial National Communication Republic of Serbia to the UN Framework Convention on Climate Change – UNFCCC* (2011)
 43. Study on the evaluation of the environmental impact of the project temporary storage and use of SRF for their combined combustion (co-incineration) with primary fossil fuels in rotary kilns (2011)
 44. "Setting up the Environmental Management Center in Serbia" (2010-2012)
 45. EUREKA PROJECT: Sustainable Materials and Products from Poultry Feather Wastes, 5851 FeVal (2010-2013)
 46. Environmental Impact Assessment Study - FGD plant for TPP "Kostolac B" (2010)
 47. Environmental Impact Assessment Study - Coal analyzing system in TPP "Nikola Tesla B" (2010)
 48. Environmental Impact Assessment Study – Burning of confiscated narcotics and cigars in TPP "Nikola Tesla B" (2010)
 49. Report – Analysis of coal grinding mill M-12 before and after reconstruction, TPP "Nikola Tesla B1" (2010)
 50. Project of system for flame visualisation, control and analysis in combustion chamber of boiler A1, TPP "Nikola Tesla A1" (Preliminary design, basic design and Feasibility study) (2010)
 51. SERBIA'S FIRST NATIONAL COMMUNICATION UNDER THE UNITED NATIONS FRAMEWORK CONVENTION ON CLIMATE CHANGE (2008-2010)
 52. Project of installing the continuous emissions monitoring system in TPP "Morava" (2009)
 53. Project of installing the continuous emissions monitoring system in HPP "Novi Sad" (2009)
 54. Project of installing the continuous emissions monitoring system in Oil refinery Novi Sad (2009)
 55. Develop and construction of vacuum conveying sistem, 391-00-00027/2009-02/IP (2009)
 56. Using of waste heat and waste materials in process industry, EE-233009, (project is realised within the scope of The National programm of energy efficiency) (2009)
 57. Study- State of the Environment of the Autonomous Province of Vojvodina - problems and challenges (air and climate changes) (2009)
 58. Air pollutants emission monitoring from cement kiln (2008)
 59. Air pollutants emission monitoring from stack of coal mill bag filter (2008)
 60. Air pollutants emission monitoring from stack of raw materials dryer electrofilter (2008)
 61. Environmental Impact Assessment Study – Installing a new boiler of 116 MW capacity in HPP Vozdovac (2008)
 62. Environmental Impact Assessment Study – Installing a new boiler of 140 MW capacity in HPP "Novi Beograd" (2008)

Memberships

- Since 1998. Member of Committee for science and engineering of Alternative Academic Educational Network (AAEN)
- Since 2001. Member of expert team of Ministry for National Sources and Environmental Protection for waste management.
- Since 2001. Member of G17+, Team for Environmental protection.
- Since 2002. Member of expert team of Ministry for National Sources and Environmental Protection for national waste management strategy.
- Since 2003. Member of expert team for national waste management law
- Since 2002. President of expert team of Committee for Standardization for waste

- management
- Since of 2005. Member of environmental protection council of Serbian Chamber of Commerce
 - Since of 2005. Member of working group for secondary raw/secondary waste of Serbian Chamber of Commerce
 - Since 2005. Secretary of energy consumption and sustainable development council of Union of Energetic
 - Since of 2005. Member of working group of waste of Serbian Environmental protection agency (SEPA)
 - Since of 2005. Member of technical committees of EIA assessment – Ministry/state level, Province of Vojvodina level, and City of Belgrade and several local authorities level
 - Since 2005. Member of expert team for national air quality law and by-laws
 - Since of 2006. Member of working group of air quality of Serbian Environmental protection agency (SEPA)
 - Since 2007. Member of Scientific council of Ministry of environmental protection
 - Since 2007. Founder and member of Managing board of Serbian Solid Waste Association (SESWA)
 - Since 2007. National expert for Cleaner production
 - Since 2008. Member of supervision council of Clean production Centre
 - Since 2008. Member of Council of Ministry of environmental protection and spatial planning
 - Since 2010. Member of several technical committees of IPPC assessment on all level in Serbia
 - Since 2013. Member of Department of Chemical and Biological Sciences, Sub-department of Environmental protection of Serbian Academy of Sciences and Arts
 - Since 2015. Member of University Council and President of Faculty Council