

## *Curriculum Vitae*

### ***Prof. dr Mirjana Radovanović (Golušin)***

Date of birth: 04. August 1968, SERBIA

#### ***Current position(s)***

EDUCONS University, SERBIA  
Faculty of Security Studies (university professor)

Vice-Dean for science and international cooperation

Institute of Economic Sciences, SERBIA (associate member, researcher)

#### ***Academic level***

**PhD in Environmental Engineering** (2004), University of Novi Sad, SERBIA.

#### ***Area of expertise***

**Energy analytics, modelling and assessment of energy options.** Development of methodologies for quantification of energy policies. The application of econometric, mathematical and statistical methods, depending on the type and purpose of the research.

**Energy market.** Full knowledge of energy market of Southeastern Europe and Russian Federation.

**Energy security.** Analysis of current and development of new methodologies for energy security quantification. Data analytics. Data processing. Interpretation of the results.

**Languages:** Serbian, English and Russian.

**Participation on projects:** experience in all stages, including project coordination.

#### **Teaching courses:**

Basics in energy security - undergraduate level

Energy Security – master level

Management of critical infrastructure – master level

Industrial security – master level

Energy security policy – PhD level

Methodology of scientific work – PhD level



## **International monograph**

1. **Radovanović (Golušin) Mirjana**, Dodić Siniša, Popov Stevan: *Sustainable Energy Management*, 1<sup>st</sup> Edition, Elsevier – Oxford Academic press, 2013.  
<http://store.elsevier.com/product.jsp?isbn=9780123914279&pagename=search>
2. **Radovanović Mirjana**, Filipović Sanja: *Sustainable Energy Management* 2<sup>nd</sup> Edition, Elsevier – Oxford Academic press – in press.

## **Chapter in international monograph**

1. Olga Mirković Isaeva, Bojana Vasić, **Mirjana Radovanović** (2018) Ensuring global energy security – the role of Russian energy policy. In: Radovanović, M (Ed.) *Energy Security: Perspectives, Improvement Strategies and Challenges*, NOVA PUBLISHERS, ISBN: 978-1-53613-508-4. COBISS.SR-ID 321990407.  
<https://novapublishers.com/shop/energy-security-perspectives-improvement-strategies-and-challenges/>
2. **Golušin M.** (2013) *Sustainable EU Monitoring – Efficiency of Consumption of Energy Resources*, Chapter 9 in: *Energy: Modern energy storage, conversion, and transmission in the 21st century*, Nova Science Publishers, Inc., Hauppauge, NY, USA, 2013.  
[https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=40662](https://www.novapublishers.com/catalog/product_info.php?products_id=40662)
3. **Golušin M**, Schlör H., Hake J. F. (2013) *Case Study: Economic Index of Energy Security - Monetization of All Costs Approach*, Chapter 10 in: *Energy: Modern energy storage, conversion, and transmission in the 21st century*, Nova Science Publishers, Inc., Hauppauge, NY, USA, 2013.  
[https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=40662](https://www.novapublishers.com/catalog/product_info.php?products_id=40662)
4. **Golušin M**, Munitlak-Ivanović O. (2012) *Sustainable Energy Management as a Pre-requisite for Sustainable Development: The Case of the Balkans Countries in the Process of the EU Integration*, Chapter 31, *International monograph: European integration process in Western Balkan Countries*, Faculty of Economics of the University of Coimbra, Coimbra, Portugal, 2012, pg. 608-624 ISBN: 978-972-9344-05-3  
<http://www.ien.bg.ac.rs/images/stories/download/eurointprocess.pdf>
5. Munitlak-Ivanović O, **Golušin M.** (2012) *Strengthening Economic Subjects Internal Capacities – Sustainable Energy Management*, Chapter 30, *International monograph: European integration process in Western Balkan Countries*, Faculty of Economics of the University of Coimbra, Coimbra, Portugal, 2012, pg. 608-624 ISBN: 978-972-9344-05-3  
<http://www.ien.bg.ac.rs/images/stories/download/eurointprocess.pdf>

### **Manuscripts in top international journals (with journal rank)**

1. Filipović, S., **Radovanović, M.**, Lior, N. (2019) What does the sharing economy mean for electric market transitions? A review with sustainability perspectives, *Energy Research & Social Science*, Vol.58, 101258.  
<https://www.sciencedirect.com/science/article/pii/S221462961930461X>  
Journal rank: 11/116
2. Filipović, S., **Radovanović, M.**, Golušin, V. (2018) Macroeconomic and political aspects of energy security, *Renewable and Sustainable Energy Reviews*, 98, pages: 428-435.  
<https://doi.org/10.1016/j.rser.2018.08.058>  
Journal Rank: 5/92
3. Petrović, P., Filipović, S., **Radovanović, M.** (2018) *Underlying causal factors of the European Union energy intensity: Econometric evidence*, *Renewable and Sustainable Energy Reviews*, 89, pages: 216-227. <https://doi.org/10.1016/j.rser.2018.03.061>  
Journal Rank: 5/92
4. Lior, N., **Radovanović, M.**, Filipović, S. (2018) *Comparing sustainable development measurement based on different priorities: Sustainable Development Goals, economics, and human well-being - Southeast Europe case*. *Sustainability Science*, Volume 13, Issue 4, pages: 973-1000.  
<https://link.springer.com/article/10.1007/s11625-018-0557-2>  
Journal Rank: 41/229
5. **Radovanović M.**, Filipović S, Golušin V. (2018), *Geo-economic approach to energy security measurement – principal component analysis*, *Renewable and Sustainable Energy Reviews*, Volume 82, Part 2, pages 1691-1700. COBISS.SR-ID 317620999.  
<https://doi.org/10.1016/j.rser.2017.06.072>  
Journal Rank: 5/92
6. Verbič M, Filipović S, **Radovanović M.** (2017) *Electricity prices and energy intensity in Europe*, *Utilities Policy*, Vol 47, pages: 58-68.  
<https://doi.org/10.1016/j.jup.2017.07.001>  
Journal rank: 56/92
7. Lior N, **Radovanović M.** (2017) *Sustainable economic-environmental planning in South-East Europe – beyond-GDP and climate change emphases*, *Sustainable Development*, Volume 25, Issue 6, pages 580–594. COBISS.SR-ID 317623303.  
<http://onlinelibrary.wiley.com/doi/10.1002/sd.1679/full>  
Journal rank: 17/55
8. **Radovanović M.**, Filipović S, Pavlović D. (2017) *Energy security measurement – A sustainable approach*, *Renewable and Sustainable Energy Reviews*, Vol 68, Part 2, pages: 1020-1032.  
<https://doi.org/10.1016/j.rser.2016.02.010>  
Journal rank: 8/88
9. **Radovanović M.**, Filipović S, Pavlović D. (2017) *Energy prices and energy security in the European Union – Panel Data Analysis*, *Energy Sources, Part B: Economics, Planning, and Policy*, Vol. 12, Issue 5, pages 415-419.  
<http://dx.doi.org/10.1080/15567249.2016.1157649>  
Journal rank: 73/89

10. Filipović S, Verbič M, **Radovanović M.** (2015) *Determinants of energy intensity in the European Union: A panel data analysis*, Energy, Vol. 92, Issue 3, pages 547-555, 2015.  
<https://doi.org/10.1016/j.energy.2015.07.011>  
Journal rank: 15/88
11. Filipović S, **Golušin M.** (2015) *Environmental taxation policy in the EU - new methodology approach*, Journal of Cleaner Production, Vol 88, pages 308-317.  
<http://dx.doi.org/10.1016/j.jclepro.2014.03.002>  
Journal rank: 16/225
12. **Radovanović M**, Filipović S. (2015) *New approach to Energy Intensity in the EU – Total energy and carbon cost approach*, Energy and Environment, Vol. 26, Issue 4, pages 601-616. <http://dx.doi.org/10.1260/0958-305X.26.4.601>  
Journal rank: 87/89
13. **Golušin M.**, Munitlak-Ivanović O, Andrejević A, Vučenov S. (2014) *Survey of socio-economic growth in SE Europe – new conceptual frame for sustainability metrics*, Journal of Economic Surveys, Vol 28, Issue 1, pages 152–168.  
<doi/10.1111/joes.12006/abstract>  
Journal rank: 45/345
14. **Golušin M**, Munitlak-Ivanović O, Filipović S, Andrejević A, Djuran J. (2013) *Environmental taxation in the EU – analysis, challenges and the future*, Journal of Renewable and Sustainable Energy, Vol. 5, pages 043129.  
<http://dx.doi.org/10.1063/1.4817963>  
Journal rank: 43/89
15. **Golušin M**, Munitlak-Ivanović O, Redžepagić S. (2013) *Transition from traditional to sustainable energy development in the region of Western Balkans – current level and requirements*, Applied Energy, Vol 101, pages 182-191.  
<http://dx.doi.org/10.1016/j.apenergy.2012.06.008>  
Journal rank: 8/89
16. Đuran J, **Golušin M**, Munitlak-Ivanović O, Jovanović L, Andrejević A. (2013) *Renewable energy and socio - economic development in the European Union*, Problems of Sustainable Development, Vol.8, No 1, pages 105-114.  
<http://ekorozwoj.pol.lublin.pl/no15/k.pdf>  
Journal rank: 19/89
17. **Golušin M**, Ostojić A, Latinović S, Jandrić M, Munitlak-Ivanović O. (2012) *Review of the economic viability of investing and exploiting biogas electricity plant – case study Vizelj*, Renewable and sustainable energy reviews, Vol 16, Issue 2, pages 1127 – 1134.  
<http://dx.doi.org/10.1016/j.rser.2011.11.012>  
Journal rank: 8/89
18. **Golušin M**, Munitlak-Ivanović O, Jovanović L, Domazet S. (2012) *Determination of ecological-economic degree of development in Countries of SE Europe - weight coefficients technique*, Problems of Sustainable Development, Vol 7, No 1, pages 87-93.  
<http://ekorozwoj.pol.lublin.pl/no13/i.pdf>  
Journal rank: 19/89
19. Mihić S, **Golušin M**, Mihajlović M. (2011) *Policy and Promotion of Sustainable Inland Waterway Transport in Europe - Danube River*, Renewable and sustainable energy reviews, Vol. 15, Issue 4, pages 1801-1809.  
<http://dx.doi.org/10.1016/j.rser.2010.11.033>

Journal rank: 8/89

20. **Golušin M**, Munitlak-Ivanović O. (2011) *Kyoto protocol implementation in Serbia as precognition of sustainable energetic and economic development*, Energy Policy, Vol 39, Issue 5, pages 2800-2807.

<http://dx.doi.org/10.1016/j.enpol.2011.02.052>

Journal rank: 23/89

21. **Golušin M**, Dodić S, Vučurović D, Ostojić A, Jovanović L. (2011) *Exploitation of biogas power plant – CDM Project, Vizelj, Serbia*, Journal of Renewable and Sustainable Energy, Vol 3, Issue 5, pages 052701

<http://dx.doi.org/10.1063/1.3631820>

Journal rank: 43/89

22. **Golušin M**, Munitlak-Ivanović O, Domazet S, Dodić S, Vučurović D. (2011) *Assessment of the effectiveness of policy implementation for sustainable energy development in South East Europe*, Journal of Renewable and Sustainable Energy, Vol 3. pages 062702

<http://dx.doi.org/10.1063/1.3663953>

Journal rank: 43/89

23. **Golušin M**, Munitlak-Ivanović O, Teodorović N. (2011) *The review oh achieved degree of sustainable development in South Eastern Europe – The use of linear regression method*, Renewable and sustainable energy reviews, Vol. 15, Issue 1, pages 776 – 772.

<http://dx.doi.org/10.1016/j.rser.2010.07.064>

Journal rank: 8/89

24. **Golušin M**, Tešić Z, Ostojić A. (2010) *The Analysis of the Renewable Energy Production Sector in Serbia*, Renewable and sustainable energy reviews, Vol 14, Issue 5, pages 1477 – 1483.

<http://dx.doi.org/10.1016/j.rser.2010.01.012>

Journal rank: 8/89

25. Dodić S, Popov S, Dodić J, Ranković J, Zavargo Z, **Golušin M**. (2010) *An overview of biomass energy utilization in Vojvodina*, Renewable and sustainable energy reviews, Vol 14, Issue 1, pages 550-553.

<http://dx.doi.org/10.1016/j.rser.2009.07.010>

Journal rank: 9/89

26. **Golušin M**, Munitlak-Ivanović O, Bagarić I, Vranješ S. (2010) *Exploitation of geothermal energy as a priority of sustainable energetic development in Serbia*, Renewable and sustainable energy reviews, Vol 14, Issue 2, pages 868-871.

<http://dx.doi.org/10.1016/j.rser.2009.06.026>

Journal rank: 9/89

27. **Golušin M**, Munitlak-Ivanović O. (2009) *Definition, characteristics and state of indicators of sustainable development in countries of Southeastern Europe*, Agriculture, Ecosystems and Environment, vol. 130, issues 1-2, pages 67-74.

<http://dx.doi.org/10.1016/j.agee.2008.11.018>

Journal rank: 38/205

28. Munitlak-Ivanović O, **Golušin M**, Dodić S, Dodić J. (2009) *Perspectives of sustainable development in countries of Southeastern Europe*, Renewable and sustainable energy reviews, Vol. 13, Issue 8, pages 2179-2200.

<http://dx.doi.org/10.1016/j.rser.2009.03.004>

Journal rank: 9/89

### *Invited lectures and panel discussion*

1. **Golušin M.** (2012) *Energy Security Index*, International School on Energy Systems, Forschungszentrum Julich, Seeon, Bavaria, Germany.
2. **Radovanović M**, Filipović S. (2016) *Fossil fuels and Low Carbon Economy*, Perspectives of the petroleum industry in the future energy mix, World Petroleum Council Workshop, Belgrade, Serbia – invited as panel opening lecture.
3. **Radovanović M.** *Energy security*. University of Defence in Belgrade, April 2019.
4. **Radovanović M.** *Big data, energy and security*. 2<sup>nd</sup> Vienna Energy Strategy Dialogue, Vienna, 29.11.2019.

### *Conference manuscripts*

1. Radovanović M, Vasić B, Mirković-Isaeva, O. (2018) Income from natural resources and quality of life of citizens. XII International Forum for Clean Energy Technologies, 02-03.10.2018, Novi Sad, Serbia.
2. Olga Mirković Isaeva, **Mirjana Radovanović**, Bojana Vasić (2018) Natural resources curse and geopolitical challenges of green economy. International scientific conference “Green economy and environmental protections”, Proceedings, pp. 116, 23 Prokletstvo 25 April, Belgrade, Serbia, ISBN: 978-86-89061-11-6.
3. **Radovanović M**, Filipović S, Vasić B: *Energy security in European Union: quantification and impact of selected variables*, XI International Forum for Clean Energy Technologies, 26-27.09.2017, Novi Sad, Serbia.
4. **Radovanović M.**, Filipović S, Raspopović N. (2016) *Geo-economic approach to energy security measurement – Principal Component Analysis*, 2nd SEE SDEWES Conference on Sustainable Development of Energy, Water and Environment Systems, Piran, Slovenia, page 197, ISSN 1847-7186, COBIS ID 512403810
5. **Radovanović M**, Filipović S, Raspopović N. (2016) *Macroeconomic and political aspects of energy security measurement – testing the new index on EU member states*, 2nd SEE SDEWES Conference on Sustainable Development of Energy, Water and Environment Systems, Piran, Slovenia, page 87, ISSN 1847-7186, COBIS ID 512403554
6. Lior N, **Radovanović M.** (2016) *Sustainability and its measurement*, International Conference TECHNOLOGY + SOCIETY → FUTURE, Ed. M. Đurović, p. 183-192, 19–20 May 2016, Podgorica, Montenegro, Organized by the Montenegrin Academy of Sciences and Art, Podgorica, Montenegro, 2016. ISBN 978-86-7215-384-2
7. **Radovanović M**, Filipović S, Pavlović D. (2015) *Energy prices and long-term energy security – panel data analysis*. Proceedings of the 10th Conference on Sustainable Development of Energy, Water and Environment Systems, SDEWES2015. 0859, 1-692 (2015). ISSN 1847-7186 COBIS ID 512344930
8. **Radovanović M**, Filipović S, Pavlović D. (2015) *Long-term energy security quantification – a sustainable approach*. Proceedings of the 10th Conference on Sustainable Development of Energy, Water and Environment Systems, SDEWES2015, Dubrovnik, Croatia.

9. **Golušin M**, Filipović S. (2014) *Sustainable development monitoring – quantification of energy related indicators of economic development*, Proceedings of the 1<sup>st</sup> SEE Conference on Sustainable Development of Energy, Water and Environment Systems, SDEWES2014. ISSN 1847-7186.
10. Filipović S, Verbič M, **Golušin M**. (2014) *Electricity prices and energy efficiency – Panel Data Analysis*, Proceedings of the 1<sup>st</sup> SEE Conference on Sustainable Development of Energy, Water and Environment Systems, SDEWES2014. ISSN 1847-7186.
11. Filipović S, Čojbašić-Rajić V, **Golušin M**. (2013) *Sustainability priorities – electricity prices between energy efficiency and social welfare*, VIII Conference on Sustainable development, supported by UNESCO, Dubrovnik, Croatia, 2013.
12. **Golušin M**, Filipović S, Munitlak-Ivanović O (2013). *Environmental taxation in the EU – inconsistency and discrepancies between methodologies used for measurement of taxation financial effects*, VIII Conference on Sustainable development, supported by UNESCO, Dubrovnik, Croatia, 2013.
13. Andrejević A, **Golušin M**, Munitlak-Ivanović O, Vučenov S., Djuran J. (2012) *Green GDP accounting – monitoring of energy security*, VII Conference on Sustainable development, supported by UNESCO, Ohrid, Macedonia.
14. Munitlak-Ivanović O, **Golušin M**, Andrejević A, Djuran J, Jovanović L. (2012) *Environmental taxes as parameter of sustainable development metrix – parameter of strategic control of EU STRATEGY 2020 implementation*, VII Conference on Sustainable development, supported by UNESCO, Ohrid, Macedonia, 2012.
15. Vučenov S, **Golušin M**, Munitlak-Ivanović O, Jovanović L. (2012) *Employment as indicator of EU STRATEGY 2020 implementation – measurement and analysis*, VII Conference on Sustainable development, supported by UNESCO, Ohrid, Macedonia, 2012.
16. Andrejević A, Djuran J, **Golušin M**, Munitlak-Ivanović O, Jovanović L. (2012) *Strategy of sustainable energy development in EU – monitoring and measurement of economic development and renewable energy production limitations*, VII Conference on Sustainable development, supported by UNESCO, Ohrid, Macedonia, 2012.
17. **Golusin M**, Munitlak-Ivanovic O. (2011) *Sustainable energy management – new approach*, VI Conference on Sustainable development, supported by UNESCO, Dubrovnik, Croatia, 2011.
18. **Golusin M**, Munitlak-Ivanovic O, Dodic S, Vucurovic D. (2011) *The implementation of sustainable energy management in companies – gap analysis technique*, VI Conference on Sustainable development, supported by UNESCO, Dubrovnik, Croatia, 2011.

### **Participation on projects**

1. Improving Academic and Professional Education Capacity in Serbia in the area of Safety & Security (by means of strategic partnership with the EU) / ImprESS, ERASMUS + (Project Coordinator)
2. ERASMUS +: Economic aspect of the energy efficiency of EU countries; Project reference: 599491-EPP-1-2018-1-RU-EPPJMO-PROJECT (team member)

3. *Management of regional development through EU funds*, Fund for European affairs, Autonomous Province of Vojvodina, Novi Sad, Serbia, 2018/2019. (team member)
4. Interdisciplinary Research No. III 47 009 - *European Integration and socio-economic changes in Serbian economy on the road towards EU*, supported by the Ministry of Science and Technological Development of Serbia in the period 2011-2014. (team member)
5. Basic Research No. 179015 - *Challenges and Prospects of structural changes in Serbia: strategic directions for economic development and harmonization with EU requirements*, supported by the Ministry of Science and Technological Development of Serbia in the period 2011-2014. (team member)
6. *Cross-border learning region: examination of universities' possible role in the economic development of the Hungarian-Serbian cross-border region*, LearningRegion, HUSRB 1002213/086, Hungary-Serbia IPA Cross-border Co-operation Program, 2013 / 2014. (team member)