

PERSONAL INFORMATION

Name **ELENA ROMENOVNA MAGARIL**
Nationality Russian
Present Position Head of the Department of Environmental
Economics at Ural Federal University (Russia)
Date of birth 1967 June 22
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EDUCATION:

- **Senior Doctorate degree (Dr.) in Engineering Sciences** Ural State Technical University, Russia (2005).
Thesis title “Scientific bases to increase efficiency and environmental safety of vehicles operation by improving fuel quality”
- **PhD in Engineering Sciences**, Tyumen State Oil and Gas University, Russia (1997)
Thesis title “Improving automobiles adaptability to the environment for emissions of toxic substances in exhaust gases”
- **Specialist degree, Chemist**, Ural State University (1991)

EMPLOYMENT HISTORY

- **Head of the Department of Environmental Economics** (before 2011 entitled Department of Economics and Organization in the Chemical Industry), Ural Federal University, Ekaterinburg (2003-present)
- **Full professor**, Department of Environmental Economics, Ural Federal University (before 2010 Ural State Technical University-UPI), Ekaterinburg (2005 - present)
- **Associate Professor**, Department of Economics and Organization in the Chemical Industry, Ural State Technical University-UPI (currently-Ural Federal University), Ekaterinburg (1997-2005)
- **Senior Researcher**, LLP "ECOHIT", Tyumen, (1995-1997)
- **Engineer**, Institute of High Temperature Electrochemistry, Ural Branch of Russian Academy of Sciences (UB RAS), Ekaterinburg (1993-1996)
- **Trainee researcher**, Institute of High Temperature Electrochemistry, UB RAS, Ekaterinburg (1991-1993)

TEACHING EXPERIENCE

- **Full professor (analog in Russia – Professor)** (2010-present)
 - **Professor (analog in Russia – Professor in Department)** (2005 – 2010)
 - **Associate Professor (analog in Russia – Docent)** (2001-2005)
 - **Associate Professor (analog in Russia – Docent in Department)** (1997-2001)
1. Teaching Interest & Tutored Courses:
 - Ecology (undergraduate)
 - Environmental Economics (undergraduate)
 - Introduction to professional skills (undergraduate)
 - Economics of Enterprise (undergraduate)
 - Organization of Production (undergraduate)
 - Environmental and Economic Problems of Nature Management (postgraduate)
 - Environmental Problems of Vehicles Operation (postgraduate)
 - Managing the Environmental Safety (postgraduate)
 2. PhD supervision:
 - 4 PhD graduated:
 - i Dr. Cuvaeva, E. *Influence of multifunctional additive on environmental and performance characteristics of the motor fuels.*
 - ii Dr. Abrzhina, L. *Evaluation of environmental and economic efficiency of nature protection measures at operation of vehicles.*
 - iii Dr. Boyarinov, A. *Improving economic mechanism of reimbursement of environmental production costs.*
 - iv Dr. Golubeva, A. *Economic stimulation mechanism to reduce carbon dioxide emissions by motor transport.*
 - Current 3 PhD students’ supervision.
 3. MSc supervision:
 - Developer and Supervisor of the Master program “Business and Management in Natural Resources and the Environment”.

- 25 MSc students graduated.
- 4. Undergraduate students' supervision.
- 5. Developer of the Bachelor syllabus for the programs "Environmental Management", "Business and Management in the Oil-Gas-Chemical Complex", "Economics and Management for the Chemical Industry";
- 6. Member of Examination Committee for Senior Doctorate (Dr.) degree.
- 7. Member of Examination Committees of postgraduate students (PhD & MSc).
- 8. Member of Examination Committees of undergraduate students.

RESEARCH INTEREST

- Environmental and operational characteristics of motor fuels,
- Processing of oil and gas,
- Environmental safety of vehicles operation,
- Energy efficiency,
- Rational nature management and environmental protection,
- Environmental economics,
- Waste management.

SCIENTIFIC EXPERIENCE

- Contributed to improving the efficiency and reducing the harmful effects of road transport on the environment;
- Contributed to the evolution of the theory of detonation combustion.
- Developed highly efficient multifunctional additive for motor fuels, improving their environmental and performance characteristics,
- Developed the technology of residueless petroleum refining into high-quality motor fuels,
- Developed the technology for applying the protective catalytic nanolayer in internal combustion engines, which can reduce the requirement for gasoline octane rating, the consumption of fuels, toxic emissions, greenhouse gas emissions,
- Contributed to the development of the technology for municipal solid waste processing by coking,
- 10 Patents (RU).

PROJECTS SUPPORTED BY FUNDING

State contract for the development of a Strategy for industrial and innovative development of the Sverdlovsk Region for the period up to 2035 by carrying out research, customer - Ministry of Industry and Science

Head of the projects:

1. "Reduction of specific fuel consumption of gasoline and diesel engines" under the program "Priority of scientific research conducted in the interests of the Sverdlovsk region", the customer- Ministry of Industry, Energy and Science of Sverdlovsk region, Russia, 2005.
2. "Analysis of the possibility of reducing coke formation in the pyrolysis by introducing the additive to the raw material", the customer – Tyumen State Oil and Gaz University, Russia, 2005.
3. "Analysis of the economic efficiency of the enterprise", the customer – JSC "UNIHIM with experimental plant", Ekaterinburg, Russia, 2005.
4. "The organization and holding of inter-university seminar "Managing System for the Environmental Safety" on advanced training of specialists in the field of environmental education", the customer - Ministry of Natural Resources of the Sverdlovsk region, in accordance with Resolution of the Government of Sverdlovsk region on June 30, 2005 № 524-PP On the regional state target program "Ecology and natural resources of Sverdlovsk region", Ekaterinburg, Russia, 2006.
5. International project "Testing the effect of multi-functional additive for the specific consumption of fuel", the customer – "Fairyland Equities, Ltd - British Virgin Islands", 2008-2010.
6. "Analysis of the current state of the pyrolysis in the world", the customer - Tyumen regional public organization "Association for Engineering Education of Tyumen State Oil and Gas University" (joint research performed for the SIBUR Holding), Tyumen, Russia, 2012.
7. "Analysis of the kinetics of elementary reactions occurring during pyrolysis", the customer - Tyumen regional public organization "Association for Engineering Education of Tyumen State Oil and Gas University" (joint research, performed by request of SIBUR Holding), Tyumen, Russia, 2013.
8. "Study of the possibility of increasing the selectivity of pyrolysis for ethylene", the customer - Tyumen regional public organization "Association for Engineering Education of Tyumen State Oil and Gas University" (joint research, performed by request of SIBUR Holding), Tyumen, Russia, 2014.
9. Project for the first international conference "Energy Production and Management in the 21st Century – The Quest for Sustainable Energy", the customer – Russian Foundation for Basic Research, Ekaterinburg, Russia, 2014.

10. The Research Group “Interdisciplinary Research in Energy and High-Tech Industries”, under the Program of Increasing the Competitiveness of Ural Federal University, Ekaterinburg, Russia, 2014-ongoing.
11. “Development and implementation of program to improve the environmental and economic effectiveness of the company”, the customer - LLC Research-Industrial Enterprise “Oil and transport technology”, Tyumen, Russia, 2016
12. "Development and implementation of a program to improve the environmental, economic and energy efficiency of vehicle operation", the customer - LLC "Bureau of Scientific and Technical Solutions - The Major Idea", Tyumen, Russia, 2017
13. Research and educational project “AtomEco”, the customer - Interregional Public Ecological Organization "GreenLife" of the State Corporation "ROSATOM", 2017
14. Research and educational project “Green Square”, the customer - Interregional Public Ecological Organization "GreenLife" of the State Corporation "ROSATOM", 2018
15. “Justification of the system of measures for adapting electric vehicles to operation in variable climatic conditions”, the customer - LLC “Bureau of Scientific and Technical Solutions - The Major Idea”, Tyumen, Russia, 2018
16. “Conducting an environmental and economic assessment of the use of electric vehicles in Tyumen”, the customer – LLC “Smart C“, Tyumen, Russia, 2019
17. “Development of practical methods to improve the energy efficiency and environmental safety of power generation system” under a research cooperation agreement with Petronas University of Technology (Malaysia), 2018-ongoing

MEMBERSHIPS

- Member of the Research and Training Environmental Council of Ural Federal University;
- Participant of the round table on the methodology of the process of scientific expertise of the working draft of the Strategic Plan of the City of Ekaterinburg till 2020, and of the meetings on the examination of the project;
- Member of the Coordination Council of the Government of the Sverdlovsk region to implement the program “Clean Water”;
- Member of the expert group of the Office of the Plenipotentiary Representative of the President of Russian Federation in the Urals Federal District to develop the concept of environmental safety in the Urals Federal District until 2020,
- Member of the expert committee of Association for Education in the field of environmental engineering and water management;
- Member of the expert group on the examination of the draft Strategy of socio-economic development of the Sverdlovsk Region till 2030;
- Expert of the round table “Ecology of water: Sanitary and technological security” organized by Administration of Ekaterinburg;
- Expert of the Russian Foundation for Basic Research;
- Member of the International academy of science and practice of the organization of production;
- Member of the International Editorial Board of WIT Transactions on Ecology and the Environment, WIT press, UK, USA;
- Member of the International Editorial Board of WIT Transactions on The Built Environment, WIT press, UK, USA;
- Editor of the International Journal of Energy Production and Management;
- Member of the International Editorial Board of International Journal of Transport Development and Integration;
- Member of the International Scientific Advisory Committee (ISAC) of 19th International Conference on Urban Transport and the Environment, (Urban Transport 2013), 29 - 31 May 2013, Kos, Greece;
- Co-Chairperson of the 1st International conference on Energy Production and Management in the 21st Century: The Quest for Sustainable Energy (Energy Quest-2014), organized in collaboration of Ural Federal University (RU) and Wessex Institute of Technology (UK), 23 - 25 April 2014, Ekaterinburg, Russia;
- Member of ISAC of the 21st International Conference on Urban Transport and the Environment (Urban Transport 2015), 2 - 4 June 2015, València, Spain;
- Member of ISAC of the 6th International Conference on Energy and Sustainability, (ESUS-2015), 2 - 4 September, 2015, Medellin, Colombia;
- Co-Chairperson of the 2nd International Conference on Energy Production and Management in the 21st Century: The Quest for Sustainable Energy (Energy Quest-2016), 6 - 8 September 2016, Ancona, Italy
- Member of ISAC of the 7th International conference on Energy and Sustainability (Energy and Sustainability 2017)
- Member of ISAC of the 26th International Conference on Modelling, Monitoring and Management of Air Pollution (Air Pollution-2018), 19-21 June 2018, Naples, Italy
- Co-Chairperson of the 3rd International Conference on Energy Production and Management in the 21st Century: The Quest for Sustainable Energy (Energy Quest-2018), 10 - 12 September 2018, New Forest, UK
- Member of ISAC of the 8th International conference on Energy and Sustainability (Energy and Sustainability 2019), 3 – 5 July 2019, Coimbra, Portugal
- Member of ISAC of the 27th International Conference on Modelling, Monitoring and Management of Air Pollution (Air Pollution 2019), 26–28 June 2019, Aveiro, Portugal

AWARDS

- Awarded for the development of the technology of residueless oil refining by the Governor of Tyumen Region, 2001;
- Awarded the letter of thanks by the Governor of Sverdlovsk region, 2005;
- Awarded the letter of thanks by the Legislative Assembly of Sverdlovsk region, 2010;
- Diploma of the Ministry of Education of Russian Federation, 2013;
- Winner of the competition in the ranking of research groups (1st position) of Ural Federal University in 2014, 2017;
- Honored Worker of Education of the Russian Federation, 2017;
- Different awards of the Ural Federal University.

CONFERENCES

- 8th International conference on Energy and Sustainability (Energy and Sustainability 2019), 3 – 5 July 2019, Coimbra, Portugal
- 27th International Conference on Modelling, Monitoring and Management of Air Pollution (Air Pollution 2019), 26–28 June 2019, Aveiro, Portugal
- 3rd International Conference on Energy Production and Management in the 21st Century: The Quest for Sustainable Energy (Energy Quest-2018), 10 - 12 September 2018, New Forest, UK
- 26th International Conference on Modelling, Monitoring and Management of Air Pollution (Air Pollution-2018), 19-21 June 2018, Naples, Italy
- 11th International Conference on Ecosystems and Sustainable Development (ECOSUD 2017), 26-28 April, 2017, Cadiz (Spain)
- International Conference on Sustainable Cities (ICSC 2017), Ekaterinburg, Russia, May 19, 2017
- 7th International conference on Energy and Sustainability (Energy and Sustainability 2017), 20-22 September, 2017, Seville (Spain)
- 12th International Conference on Urban Regeneration and Sustainability (Sustainable City 2017), 18-20 September, 2017, Seville (Spain)
- The Russian-UK Raw Materials Dialog “The Major Elements of Sustainable Development”, 17-19 October, 2017, St. Petersburg, Russia
- International Public Dialogue-Forum and Exhibition “AtomEco 2017”, 21-22 November, 2017, Moscow
- 10th Russian-German Raw Material Conference, 28-30 November, 2017, St. Petersburg, Russia
- International Conference on Sustainable Cities (ICSC 2016), Ekaterinburg, Russia, May 19, 2016
- 24th International Conference on Modelling, Monitoring and Management of Air Pollution, Crete, Greece, 20-22 June, 2016
- 22nd International Conference on Urban Transport and the Environment, Crete, Greece, 21-23 June, 2016
- 2nd International Conference on Energy Production and Management in the 21st Century, Ancona, Italy, 6-8 September, 2016
- 23rd International Conference on Modelling, Monitoring and Management of Air Pollution, València, Spain, 1-3 June, 2015
- 21st International Conference on Urban Transport and the Environment, València, Spain, 2-4 June, 2015
- 10th International Conference on Ecosystems and Sustainable Development, València, Spain, 3-5 June, 2015
- 1st International Conference on Energy Production and Management in the 21st Century – the Quest for Sustainable Energy, Ekaterinburg, Russia, 23-25 April, 2014
- 5th International Conference on Energy and Sustainability, Putrajaya, Malaysia, 16- 18 December, 2014
- 19th International Conference on Urban Transport and the Environment, Kos, Greece, 29-31 May, 2013
- International Conference on Fundamentals of Processing Technologies and Utilization of Technogenic Wastes, Ekaterinburg, Russia, 13-15 June, 2012
- 17th International Conference on Urban Transport and the Environment, Pisa, Italy, 6-8 June, 2011
- International Conference on Oil and Gas of Western Siberia, 20-21 October, Tyumen, Russia, 2009
- 4th International Conference on Ecology and Life Protection of Industrial-Transport Complexes, Togliatti, Russia, 24-27 September, 2009
- 3rd International Conference on Ecology and Life Protection of Industrial-Transport Complexes, Togliatti, Russia, 20-23 September, 2007
- International Conference on Status, Trends and Problems of Development of Oil and Gas Potential of Western Siberia, Tyumen, Russia, 20-22 November, 2007
- International Conference on Oil and Gas of Western Siberia, 16-17 October, Tyumen, Russia, 2007
- International Conference on Oil and Gas of Western Siberia, 25-27 October, Tyumen, Russia, 2005
- 2nd International Conference on Ecology and Life Protection of Industrial-Transport Complexes, Togliatti, Russia, 21-23 September, 2005
- 3rd International Conference on Petroleum Dispersion Systems, Moscow, Russia, 5-7 December, 2004
- 3rd International Conference New Fuel with Additives, St. Petersburg, Russia, 1-3 June, 2004
- International Conference on Oil and Gas of Western Siberia, 12-13 November, Tyumen, Russia, 2003
- Scientific and Engineering Conference on Oil and Gas, Tyumen, Russia, 24-25 September, 2002
- International Conference on New Fuel with Additives, St. Petersburg, Russia, 18-21 June, 2002

- 3rd International Conference on Solution to the Environmental Problems in the Road Transport Complex, Moscow, Russia, 26-28 January, 1999
- International Conference on Advanced technology at the threshold of the 21st Century, Moscow, Russia, 5-9 October, 1998
- International Conference on The Ecology of a Motor Transportation Complex, Moscow, Russia, 4-6 December, 1996
- International Conference on Oil and Gas of Western Siberia, 21-23 May, Tyumen, Russia, 1996
- 2nd International Conference on Urban Transport and the Environment, Barcelona, Spain, 2-4 October, 1996

PUBLICATIONS

9 monographies, 10 textbooks, 7 edited books, more than 100 publications in the refereed journals, totally more than 200 publications.

Selected Publications

- 1) Magaril, E., Magaril, R., Al-Kayiem, H.H., Skvortsova, E., Anisimov, I., Rada, E.C., Investigation on the possibility of increasing the environmental safety and fuel efficiency of vehicles by means of gasoline nano-additive. *Sustainability* (Switzerland), 11(7), 2165, 2019.
- 2) Adami, L., Castagna, G., Magaril, E., Giurea, R., Ferronato, N., Ruggieri, G., Torretta, V., Rada, E.C., Criticalities and potentialities of local renewable sources of energy. *WIT Transactions on Ecology and the Environment*, 222, pp. 103-115, 2019.
- 3) Ermolin, D., Magaril, E., Magaril, R., Improving the efficiency of the stabilization columns in oil and gas processing. *WIT Transactions on Ecology and the Environment*, 222, pp. 73-80, 2019.
- 4) Paukov, A., Magaril, R., Magaril, E., An investigation of the feasibility of the organic municipal solid waste processing by coking. *Sustainability* (Switzerland) 11(2), 389, 2019.
- 5) Magaril, E., Magaril, R. Effect of pressure on the rectification sharpness in rectifying sections of tray distillation columns in oil and gas refining. *Separation and Purification Technology*, 223, pp. 49-54, 2019.
- 6) Gitelman, L, Magaril, E, Kozhevnikov, M and Rada, EC., Behavior of an Enterprise in the Energy Market in a Circular Economy. *Resources*, 8(2), 73, 2019.
- 7) Kiselev, A, Magaril, E, Magaril, R, Panepinto, D, Ravina, M and Zanetti, M.C., Towards Circular Economy: Evaluation of Sewage Sludge Biogas Solutions. *Resources*, 8(2), 91, 2019.
- 8) Rada, E.C., Costa, L., Pradella, C., Adami, L., Schiavon, M., Magaril, E., Torretta, V., Unconventional small-scale biogas production with reduced local impact. *International Journal of Energy Production and Management*, 4(3), 198-208, 2019.
- 9) Karaeva, A., Magaril, E.R., Rada, E.C., Students' attitudes towards nuclear energy: Russian and Italian experience. *WIT Transactions on Ecology and the Environment*, 237, pp. 121-132, 2019.
- 10) Kiselev, A.V., Magaril, E.R., Rada, E.C., Energy and sustainability assessment of municipal wastewater treatment under circular economy paradigm. *WIT Transactions on Ecology and the Environment*, 237, pp. 109-120, 2019
- 11) Golubeva, A., Magaril, E., Prospects for the use of alternative fuels and energy by road transport in Russia. *WIT Transactions on Ecology and the Environment*, 236, pp. 193-203, 2019.
- 12) Rada, E.C., Andreottola, G., Istrate, I.A., Viotti, P., Conti, F., Magaril, E.R. Remediation of soil polluted by organic compounds through chemical oxidation and phytoremediation combined with DCT. *International Journal of Environmental Research and Public Health*, 16(17), 3179, 2019.
- 13) Al-Kayiem, H.H., Wahhab, H.A.A., Magaril, E., Aziz, A.R.A. Performance and emissions investigation of a single cylinder diesel engine using enhanced blend biodiesel by nanoparticles. *AIP Conference Proceedings*, Vol. 2035, 020008, 2018.
- 14) Schiavon, M., Ragazzi, M., Rada, E.C., Magaril, E., Torretta, V. Towards the sustainable management of air quality and human exposure: Exemplary case studies. *WIT Transactions on Ecology and the Environment*, 230, pp. 489-500, 2018.
- 15) Anisimov, I., Burakova, A., Magaril, E., Magaril, R., Chaimikov, D., Panepinto, D., Rada, E.C., Zanetti, M.C. Climate change mitigation: Hypothesis-formulation and analysis of interventions. *WIT Transactions on Ecology and the Environment*, 230, pp. 387-398, 2018.
- 16) Cioca, L.I., Ferronato, N., Viotti, P., Magaril, E., Ragazzi, M., Torretta V. and Rada, T.C., Risk Assessment in a Materials Recycling Facility: Perspectives for Reducing Operational Issues. *Resources* 7(4), 85, 2018.
- 17) Genon, G., Magaril, E., Magaril, R., Panepinto, D., Viggiano, F., Improved energy efficiency and environmental safety of transport through the application of fuel additives and alternative fuels. In: Syngellakis, S., Brebbia, C., Gitelman, L.D., Magaril, E.R. (Eds.), *Challenges and Solutions in the Russian Energy Sector*. Springer International Publishing AG, Switzerland, pp. 151-162, 2018.
- 18) Magaril, E., Magaril, R., Improvement of the pyrolysis process. *International Journal of Sustainable Development and Planning*, 13(5), pp. 727-733, 2018
- 19) Zakharov, D., Magaril, E., Rada, E.C., Sustainability of the urban transport system under changes in weather and road conditions affecting vehicle operation. *Sustainability* (Switzerland), 10(6), 2052, 2018

- 20) Magaril, E., Magaril, R., Increasing efficiency of the pyrolysis process by influencing the initiation of thermal decomposition of hydrocarbons. *WIT Transactions on Ecology and the Environment*, 224, pp. 533-540, 2018
- 21) Golubeva A., Magaril E., Magaril R., Panepinto D, Viggiano F., Managing the environmental adaptation of vehicles operation. *WIT Transactions on Ecology and the Environment*, 223, pp 161-169, 2017
- 22) Torretta, V., Tolkou, A.K., Katsoyiannis, I.A., Katsoyiannis, A., Trulli, E., Magaril, E., Rada, E.C., Consumption of free chlorine in an aqueduct scheme with low protection: Case study of the New Aqueduct Simbrivio-Castelli (NASC), Italy. *Water (Switzerland)*, 10(2), 127, 2018
- 23) Magaril, E., Magaril, R., Increasing the efficiency of the pyrolysis process. *International Journal of Sustainable Development and Planning*, 12(5), pp. 968-977, 2017
- 24) Zakharov, D., Magaril, E., Kozlov, P., Reducing the energy consumption and increasing the efficiency of perishable goods transportation by refrigerated vehicles on urban routes. *International Journal of Sustainable Development and Planning*, 12(7), pp 1192-1202, 2017
- 25) Magaril, E., Magaril, R., Panepinto, D., Genon, G., Ravina, M., Trushkova, L., Zanetti, M.C. Production and utilization of energy and climate adaptation: Global tasks and local routes. *International Journal of Sustainable Development and Planning*, 12(8), pp 1326-1337, 2017
- 26) Panepinto, D., Zanetti, M.C., Gitelman, L., Kozhevnikov, M., Magaril, E., Magaril, R., Energy from Biomass for Sustainable Cities. *IOP Conference Series: Earth and Environmental Science*, 72(1), 012021, 2017
- 27) Magaril, E., Magaril, R., Abrzhina, L., Environmental assessment of the measures increasing the sustainability of motor transport. *IOP Conference Series: Earth and Environmental Science*, 72(1), 012003, 2017
- 28) Magaril, E., Magaril, R., Impact of surfactants in micro concentrations on certain properties of organic liquids as a basis for improving some oil-and-gas industry processes and properties of gasoline. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 529, pp 733-738, 2017
- 29) Kozhevnikov M., Gitelman L., Magaril E., Magaril R., Aristova A., Risk reduction methods for managing the development of regional electric power industry. *Sustainability* 9(12), 2201, 2017
- 30) Magaril E, Improvement of the environmental and operational characteristics of vehicles through decreasing the motor fuel density, *Environmental Science and Pollution Research*, 23(7), 6793-6802, 2016
- 31) Magaril E & Magaril R, Improving the environmental and performance characteristics of vehicles by introducing the surfactant additive into gasoline, *Environmental Science and Pollution Research*, 23(17): 17049-17057, 2016
- 32) Magaril E & Magaril R, Fuel Quality: Challenges to the Sustainable Development of Automobile Transport and Approach to Solution, *E3S Web of Conferences*, 6, 03001, 2016. doi: 10.1051/e3sconf/20160603001
- 33) Gitelman L, Magaril E, Kozhevnikov M, Genon G, Senor AM & Panepinto D, Building an eco-effective district heating management system in a city, *E3S Web of Conferences*, 6, 03012, 2016. doi: 10.1051/e3sconf/20160603012
- 34) Anisimov I, Magaril E, Magaril R, Chikishev E, Chainikov D, Gavaev A, Ertman S, Ertman Y & Ivanov A, Improving vehicle adaptability to the operating conditions of «smart» cities in the northern regions, *E3S Web of Conferences*, 6, 02003, 2016. doi: 10.1051/e3sconf/20160602003
- 35) Genon G, Magaril E, Magaril R, Abrzhina L, Panepinto D & Viggiano F, Sustainability in automotive transport: Russian and Italian experience concerning actual situation and intervention tools, *International Journal of Sustainable Development and Planning*, 11(4), pp. 603 – 615, 2016
- 36) Gitelman L, Magaril E & Khodorovsky M, Interdisciplinarity as a heuristic resource for energy management, *International Journal of Energy Production and Management*, 1(2), pp. 163-171, 2016
- 37) Magaril E, Carbon-free gasoline engine operation, *International Journal of Sustainable Development and Planning*, 10(1), pp.100-108, 2015
- 38) Abrzhina LL & Magaril ER, Assessment of environmental-economic effectiveness of multifunctional fuel additives. Proceedings of the 23rd International Conference on Modelling, Monitoring and Management of Air Pollution, *WIT Transactions on Ecology and the Environment*, 198, WIT Press, UK, ISBN: 978-1-84564-964-7, pp. 287-294, 2015
- 39) Magaril E, Reducing gasoline loss from evaporation by the introduction of a surface-active fuel additive. Proceedings of the 21st International Conference on Urban Transport and the Environment, *WIT Transactions on The Built Environment*, 146, WIT Press, UK, ISBN: 978-1-84564-898-5, pp. 233-242, 2015
- 40) Golubeva A & Magaril E, Environmental tax as an instrument of economic stimulation to improve the quality of motor fuels. Proceedings of the 10th International Conference on Ecosystems and Sustainable Development, *WIT Transactions on Ecology and the Environment*, 192, WIT Press, UK, ISBN: 978-1-84564-900-5, pp. 149-159, 2015
- 41) Magaril E, Increasing the efficiency and environmental safety of vehicle operation through improvement of fuel quality, *International Journal of Sustainable Development and Planning*, 10(6), pp.880-893, 2015
- 42) Magaril E, The solution to strategic problems in the oil refining industry as a factor for the sustainable development of automobile transport. Proceedings of the 1st International Conference on Energy Production

- and Management in the 21st Century: The Quest for Sustainable Energy, *WIT Transactions on Ecology and The Environment*, 190(2), WIT Press: UK, ISBN: 978-1-84564-816-9, pp. 821-832, 2014
- 43) Magaril ER, Abrzhina LL & Belyaeva MA, Environmental damage from the combustion of fuels: Challenges and methods of economic assessment. Proceedings of the 1st International Conference on Energy Production and Management in the 21st Century: The Quest for Sustainable Energy, *WIT Transactions on Ecology and The Environment*, 190(2), WIT Press: UK, ISBN: 978-1-84564-816-9, pp. 1105-1115, 2014
 - 44) Demidenko M, Magaril R & Magaril E, Aqueous vapour substitution for hydrogen in the process of pyrolysis. Proceedings of the 1st International Conference on Energy Production and Management in the 21st Century: The Quest for Sustainable Energy, *WIT Transactions on Ecology and the Environment*, 190(2), WIT Press: UK, ISBN: 978-1-84564-816-9, pp. 855-860, 2014
 - 45) Klementyev A, Magaril R, Korzun N & Magaril E, Efficiency improvement of pyrolysis. Proceedings of the 1st International Conference on Energy Production and Management in the 21st Century: The Quest for Sustainable Energy, *WIT Transactions on Ecology and the Environment*, 190(2), WIT Press: UK, ISBN: 978-1-84564-816-9, pp. 861-865, 2014
 - 46) Gitelman LD, Magaril ER, & Khodorovsky MY, Interdisciplinary approach to formation of managers' competences for innovative economy, *Economy of Region*, (1), pp. 174-184, 2014
 - 47) Magaril ER, Magaril RZ & Bamburov VG, Specific features of combustion in gasoline-driven internal combustion engines, *Combustion, Explosion and Shock Waves*, 50 (1), pp. 75-79, 2014
 - 48) Ali AA, Magaril RZ, Rogalev MS & Magaril ER, Acceleration of boiling in the desired conditions. Application of its effect in refinery and petrochemical industries. Proceedings of the 5th International Conference on Energy and Sustainability, *WIT Transactions on Ecology and the Environment*, 186, WIT Press, UK, ISBN: 978-1-84564-837-4, pp. 535-543, 2014
 - 49) Magaril E & Magaril R, Increasing the selectivity of the hydrocarbon feedstock pyrolysis. Proceedings of the 5th International Conference on Energy and Sustainability, *WIT Transactions on Ecology and the Environment*, 186, WIT Press, UK, ISBN: 978-1-84564-837-4, pp. 529-534, 2014
 - 50) Magaril E, The influence of carbonization elimination on the environmental safety and efficiency of vehicle operation, *International Journal of Sustainable Development and Planning*, 8(2), pp. 231-245, 2013
 - 51) Magaril E, Improving the efficiency and environmental safety of gasoline engine operation. Proceedings of the 19th International Conference on Urban Transport and the Environment, UT 2013, *WIT Transactions on the Built Environment*, 130, WIT Press: UK, ISBN: 978-1-84564-714-8, pp. 437-485, 2013
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