

PERSONAL INFORMATION

Siniša Vilke



Ante Kovačića 22, 51000 Rijeka (Croatia)

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Sex Male | Date of birth 29/11/1975 | Nationality Croatian

WORK EXPERIENCE

11/2021–Present

Associate professor at Department of Transport & Transportation Technology

University of Rijeka, Faculty of Maritime Studies
Studentska 2, 51000 Rijeka (Croatia)

Research and Teaching

The holder of the courses at the undergraduate and graduate studies: Basics of Transport Technology, Traffic Safety, Urban Transport and Environment, Cargo in Transport, Inland Transport Technology, Inland Transportation Systems Planning, Logistics in Inland Transport.

The holder of the courses at postgraduate research studies: Sustainability in urban traffic.

Contributor to national and international projects related to the management of maritime and transport system.

Business or sector Science and higher education

05/2019–Present

Research associate - Technical Science

Field: Technology of Traffic and Transport

Contributor to national and international projects related to the management of maritime and transport system. Member of several national and international project teams.

Business or sector Science.

03/2016–11/2021

Assistant professor in Transport Technology & Organization Department

University of Rijeka, Faculty of Maritime Studies
Studentska 2, 51000 Rijeka (Croatia)

Research and Teaching

The holder of the courses at the undergraduate and graduate studies: Basics of Transport Technology, Transport Engineering, Urban Transport and Environment, Logistics in Transport.

The holder of the courses at postgraduate research studies: Sustainability and green logistics in urban traffic.

Contributor to national and international projects related to the management of maritime and transport system.

Business or sector Science and higher education

02/2009–03/2016

Assistant in Transport Technology & Organization Department

University of Rijeka, Faculty of Maritime Studies
Studentska 2, 51000 Rijeka (Croatia)

Assistant, holder of the exercises from the courses on undergraduate and graduate study

Business or sector Science and higher education

- 05/2007–02/2009 **Commercial manager**
 Luka Rijeka d.d.
 Riva 1, 51000 Rijeka (Croatia)
 Negotiations and contracting of port services
 Business or sector Commercial department
- 08/2001–05/2007 **Reloading Supervisor - Manager of business operations**
 Luka Rijeka d.d.
 Riva 1, 51000 Rijeka (Croatia)
 Planning, Organizing and Managing of the entire process of cargo loading/unloading.
 Business or sector Operational Department - Container Terminal
- 01/2001–08/2001 **Department of Maritime Affairs, Transportation and Communication - correspondation**
 Primorsko-goranska County
 Adamićeva 10/V, 51000 Rijeka (Croatia)
 The concessions on the maritime domain.
 Business or sector Department of Maritime Affairs, Transportation and Communication
- 2000 **Translator for English and Italian language**
 Brodogradilište Viktor Lenac d.d.
 Martinšćica b.b., 51000 Rijeka (Croatia)
 Correspondation, translation
 Business or sector Commercial Department

EDUCATION AND TRAINING

- 2012 **Ph.D degree - Technical Science**
 University of Rijeka, Faculty of Maritime Studies
 Studentska 2, 51000 Rijeka (Croatia)
 Postgraduate study "Maritime Affairs"
 Doctoral dissertation - "Optimization of Inland Transport Infrastructure between Pan-european corridor V and branch Vb"
- 2006 **Master of Technical Sciences**
 University of Rijeka, Faculty of Maritime Studies, Rijeka (Croatia)
 Field: Technology of Traffic and Transport, Postgraduate research study "Technological systems in the maritime transport"
 Scientific thesis: "The logistic access for development of the North adriatic ports of Rijeka, Koper and Trieste"
- 2000 **Maritime traffic technology engineer**
 University of Rijeka, Faculty of Maritime Studies
 Studentska 2, 51000 Rijeka (Croatia)

1997 Engineer of maritime traffic - Maritime communications and marine electronics

University of Rijeka, Faculty of Maritime Studies
Studentska 2, 51000 Rijeka (Croatia)

PERSONAL SKILLS

Mother tongue(s) Croatian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C2	C1
Italian	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills Good communication and presentation skills acquired while working in the teaching and the presentation of papers at professional and scientific conferences

Organisational / managerial skills From the year 2020 Head of the Section for Sea Ports, Scientific Council for Maritime Affairs of the Croatian Academy of Sciences and Arts (HAZU)

From the year 2020 to 2024 Head of Department Transport & Transportation Technology, University of Rijeka, Faculty of Maritime Studies

From the year 2016 to 2019 Head of postgraduate doctoral study "Maritime Affairs", University of Rijeka, Faculty of Maritime Studies

From the year 2013 Editor in Chief of scientific journal "*Journal of Maritime & Transportation Sciences*", publisher: "Association for Research and Development of Maritime Industries"

Reloading Supervisor / Manager of Business Operations - Port of Rijeka - Terminal for general cargo and Container Terminal. Organizing and Managing of the entire process of cargo loading/unloading

Job-related skills

09/2017 – 07/2021

The President of the Governing Council of the Natural history museum Rijeka
The natural history museum Rijeka, Lorenzov prolaz 1, Rijeka, Hrvatska
Supervising and management

02/2014 – 01/2022

Member of the Supervisory Board of the "Liburnijske vode d.o.o."
Liburnijske vode d.o.o., Liburnijska 2, Grad Opatija, Hrvatska
Utilities and water services - monitoring of business operations

05/2013. – 05/2021

Member of the Municipal Council of the municipality of Lovran

Chairman of the Committee on economy of the Municipal Council of the municipality of Lovran

Municipality of Lovran, Šetalište maršala Tita 41, Lovran, Croatia

Local and regional Government

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Basic user

Digital skills - Self-assessment grid

OS: Windows 98/ XP/ Vista/ 7/ 10

Office Tools: MS Office, Opet Office, Microsoft Outlook, Acrobat Reader

Software for modelling: VPA- methods Promethee and Gaia

E- learning systems: Moodle and Merlin

Other skills

Piano, trail and mountain running

Driving licence

B

ADDITIONAL INFORMATION

Memberships

Head of the Scientific Council for Maritime Affairs (Section for Sea Ports) of the Croatian Academy of Sciences and Arts (HAZU), 2020. -

Member of the Organizing and Scientific Committee of the Conference on Marine Technology – in memoriam of the academician Zlatko Winkler, 2015. -

Member of the Scientific Council for Maritime Affairs (Section for the Croatian maritime heritage) of the Croatian Academy of Sciences and Arts (HAZU), 2015. -

Member of Editorial Board of scientific journal: *Journal of Maritime Studies*, publisher: University of Rijeka, Faculty of Maritime Studies, 2012. -

Member of the Presidency of the Association for Research and Development of Maritime Industries, 2013. -

Scientific projects:

Sustainable management of commons in the coastal zone, University of Rijeka, 2024 -

Cyber security, resilience and sustainability in the maritime industry, University of Rijeka, 2023 -

CEKOM – Center of Competence for Smart Cities; *Connected traffic* – Development of Innovation Systems for Traffic Management, EU, European Regional Development Fund, Head of project team, 2020 -

Development of Energy Efficiency Mobility services for the Adriatic Marinas – DEEP SEA, Interreg Italy – Croatia, member of the project team, 2019 -

ProLog - "Development of innovative methods of acquiring qualifications and competence in transport and logistics", member of the project team, European Social Fund, 2019 -

Master plan of the transport system of the North Adriatic Functional Region, EU, Cohesion fund, member of the project team, 2018

Development of models and advanced algorithms for planning and management of transport processes at container terminals - MALKON, University of Rijeka, member of the project team, 2018 - 2019

EcoSUSTAIN - Ecological sustainable Governance of Mediterranean protected Areas, EU, Interreg MED, member of the project team, 2017 - 2019

SULPITER – Sustainable Urban Logistics Planning to Enhance regional freight transport, EU, Interreg Central Europe, contributor on project, 2017 – 2018

Master plan for the development of county ports of PGŽ, Primorsko-Goranska County, author, team member, 1.2.2016. - 31.7.2016.

KIKLOP - "Development of innovative methods of acquiring qualifications and competence in logistics and maritime transport", member of the project team, European Social Fund, 2016 - 2017

„Croatian maritime terminology – tradition and modern trends“ (MARITERM), Croatian National Science Foundation, *project manager*: dr. sc. Boris Pritchard, researcher and professional consultant, 2011 - 2012

AdriaticMoS, Developing of motorways of sea system in Adriatic region, IPA Adriatic Cross-border Cooperation Programme, member of a project team, 2011 - 2014

INTERMODADRIA – Supporting intermodal transport solutions in the Adriatic area, Adriatic IPA CBC, researcher - associate on a project, 2014

Quantitative methods in the function of the optimal management of the maritime system, Ministry of science, education and sports of the Republic of Croatia, project number: 112-1121722-3308, associate on a project, 2010 - 2014

Model of traffic and logistics integration of Croatian sea and river ports, Ministry of science, education and sports of the Republic of Croatia, project number: 112-1121722-3152, associate on a project, 2008 - 2010

Conferences:

Vilke, S.; Debelić, B.; Mance, D.: *The modernization of traffic control efficiency in the service of urban mobility development*, ODS 2024 – International Conference on Optimization and Decision Sciences, Book of Abstracts, Badesi, Italy, 8th September – 12th September, 2024.

Klečina, A.; Krpan, Lj.; Cvitković, I.; Vilke, S.: *Improving the public bus network and timetables in Varaždin County in Croatia, SuTra 2024.*, Book of Abstracts, Terme Sv. Martin Resort, Hrvatska, September 26.-28., 2024.

Vilke, S.; Debelić, B.; Mance, D.: *Examples of urban traffic management systems*, International Conference on Sustainable Transport, SuTra 2024., Book of Abstracts, Terme Sv. Martin Resort, Hrvatska, September 26.-28., 2024.

Vilke, S.; Debelić, B.; Mance, D.: Organisation and Operating Procedures in Data-driven Urban

Mobility, Proceedings of The 24th International Scientific Conference „Business Logistics in Modern Management”, Osijek, 3rd October, 2024., 187-203.

Vilke, S.; Ćelić, J.; Debelić, B.; Maglić, L.: *Decision-making process for urban mobility and traffic management*, 3rd International Conference of Maritime Science & Technology Our Sea 2023., Dubrovnik, Croatia, 14. – 16. September 2023.

Vilke, S.; Vidović, K.; Grubišić, N.; Ćelić, J.; Tadić, F.: *Innovative methods of traffic management in the city of Rijeka*, *International Conference on Sustainable Transport – SuTra 2022., Book of Abstracts*, Opatija, Hrvatska, 29 September – 1 October, 2022.

Vilke, S.; Tadić, F.; Ćelić, J.; Debelić, B.: *Decision support system in urban traffic management*, ODS 2022 – International Conference on Optimization and Decision Sciences, Book of Abstracts, Florence, Italy, 30 August – 2 September, 2022.

Brčić, D.; Vilke, S.; Kos, S.; Žuškin, S.: *Redirection aspects of Far East – Central Europe traffic flows: Facts, findings and future tendencies*, Proceedings of 9th International Conference on Maritime Transport, Barcelona, Universidad Politecnica de Catalunya, 27 – 28 June, 2022.

Vilke, S.; Tadić, F.; Debelić, B.; Mance, D.: *Traffic management system in the city of Rijeka*, Proceedings of the XXX International Scientific Conference trans&MOTAUTO '22, Varna, Bulgaria: Scientific-technical union of mechanical engineering „Industry-4.0”, 20 – 23 June, 2022.

Vilke, S.; Grubišić, N.; Tadić, F.; Krljan, T.: *Examples of Urban Traffic Management Systems*, 8th Annual International Conference on Transportation, Book of Abstracts, Athens, Greece, 30 – 31 May, 2022.

Vilke, S.; Tadić, F.; Ostović, I.: The impact of the container throughput of the Adriatic Gate Container Terminal at the Port of Rijeka on air quality environmental parameters, Proceedings of the International Association of Maritime Universities Conference, Alexandria, 26-28 October, 2021., Egypt, 218-227.

Vilke, S.; Tadić, F.; Ostović, I.; Ćelić, J.: Development of urban traffic management in the city of Rijeka, IX. International conference on marine technology – in memoriam of the academician Zlatko Winkler, University of Rijeka, Faculty of Engineering, Rijeka, 11-12 November, 2021.

Mance, D.; Debelić, B.; Vilke, S.: Regional value chains in the Croatia's neighboring countries as economic drivers, Proceedings of The 21th International Scientific Conference „Business Logistics in Modern Management”, Osijek, 7-8 October, 2021., 233-244.

Cvitković, I.; Vilke, S.; Krpan, Lj.; Brlek, P.: Removing regulatory features of traffic control in school zones, XXV International Conference Living and Walking in Cities, Brescia, 9-10 September 2021.

Vilke, S.; Tadić, F.; Grubišić, N.; Ćelić, J.: Urban traffic management – a case study of the city of Rijeka, ODS 2021 – International Conference on Optimization and Decision Sciences, Rome, 14 – 17 September, 2021.

Vilke, S.; Debelić, B.; Mance, D.: Application of the Multi-Criteria Analysis For the railway route evaluation and selection, Proceedings of The 20th International Scientific Conference „Business Logistics in Modern Management”, Osijek, 7-9 October, 2020., 21-40.

Vilke, S.; Debelić, B.; Mance, D.: Application of the Multi-Criteria Analysis for the railway route evaluation and selection, Proceedings of The 20th International Scientific Conference „Business Logistics in Modern Management”, Osijek, 7-9 October, 2020., 21-40.

Mance, D.; Debelić, B.; Vilke, S.: Panel analysis of Warehousing economic Performance in 13 new EU Member States, Proceedings of The 20th International Scientific Conference „Business Logistics in Modern Management”, Osijek, 7-9 October, 2020., 181-195.

Mance, D.; Debelić, B.; Vilke, S.: Panel analysis of Warehousing economic Performance in 13 new EU Member States, Proceedings of The 20th International Scientific Conference „Business Logistics in Modern Management”, Osijek, 7-9 October, 2020., 181-195.

Krljan, T., Vilke, S.: Application of the microsimulation traffic model in Assessing congestion of the container terminal “Brajdica” access road network, International Conference of Maritime Science &

Technology NAŠE MORE 2019, Dubrovnik, Croatia, 17 – 18 October 2019.

Krljan, T., Vilke, S.: Application of the microsimulation traffic model in Assessing congestion of the container terminal “Brajdica” access road network, International Conference of Maritime Science & Technology NAŠE MORE 2019, Dubrovnik, Croatia, 17 – 18 October 2019.

Baričević, H., Poletan-Jugović, T.: Vilke, S.: Integral traffic model of the Dubrovnik-Neretva County, International Conference of Maritime Science & Technology NAŠE MORE 2019, Dubrovnik, Croatia, 17 – 18 October 2019.

Vilke, S.; Grubisic, N.; Krljan, T.: The Reconstruction of the Railway Transport System in the service of Port of Rijeka Development, 30th European Conference on Operational Research, Dublin, 23.-26. June, 2019.

Maslarić, M.; Nikoličić, S.; Bojić, S.; Debelić, B.; Vilke, S.: Logistics characteristics of goods and containerization level, 4th Logistics International Conference – LOGIC, Belgrade, 23.-25. May, 2019.

Vilke, S.; Grubisic, N.; Krljan, T.: The Reconstruction of the Railway Transport System in the service of Port of Rijeka Development, 30th European Conference on Operational Research, Dublin, 23.-26. June, 2019.

Debelić, B.; Vilke, S.; Maglić, L.: County and local public ports development through entrepreneurship strengthening, Proceedings of The 18th International Scientific Conference „Business Logistics in Modern Management”, Osijek, 11-12 October, 2018., 369-388.

Maglić, L.; Maglić, L.; Vilke, S.; Debelić, B.: Mjere za postizanje energetske uštede i redukciju CO2 u cestovnom prometu Republike Hrvatske, Proceedings of the XVII International conference trends, technological innovation and digitalization in transport, ecology and logistics in sustainable development functions, Travnik, 11-12 May, 2018., 460 –469.

Vilke, S.; Brčić, D.; Kos, S.: Northern and Southern European traffic flow land segment analysis as part of the redirection justification, TRANSSNAV – The 12th International Conference on Marine Navigation and Safety of Sea Transportation, Gdynia, Poland, 20-22 June, 2017.

Debelić, B.; Vilke, S.; Maglić, L.: County and local public ports development through entrepreneurship strengthening, Proceedings of The 18th International Scientific Conference „Business Logistics in Modern Management”, Osijek, 11-12 October, 2018., 369-388.

Kos, S.; Vilke, S.; Brčić, D.: Redirection of the World Traffic Flow Far East – Europe via the Adriatic Sea, 2nd Annual International Conference on Transportation, 6-9 June 2016, Athens.

Debelić, B.; Vilke, S.; Milanović, S.: Port competitiveness and ecological impact of logistics activities: a case study of the port of Ploče, Proceedings of The 16th International Scientific Conference „Business Logistics in Modern Management”, Osijek, 13 October, 2016., 3-20.

Kos, S.; Vilke, S.; Brčić, D.: Redirection of the World Traffic Flow Far East – Europe via the Adriatic Sea, 2nd Annual International Conference on Transportation, 6-9 June 2016, Athens, Greece.

Debelić, B.; Vilke, S.; Milanović, S.: Port competitiveness and ecological impact of logistics activities: a case study of the port of Ploče, Proceedings of The 16th International Scientific Conference „Business Logistics in Modern Management”, Osijek, 13 October, 2016., 3-20.

Vilke, Siniša, Baričević, Hrvoje, Maglić, Livia: The Significance of the Intermodal Transport Route through the Port of Rijeka for Sustainable Transport, Proceedings of the 15th International Scientific Conference “Business Logistics in Modern Management, pp. 201 – 209, Osijek, 2015.

Vilke, S.; Debelić, B.; Maglić, L.: Road network linking the sea port as a vital transport factor determining its successful hinterland interconnection. Factors determining their primary and secondary role in the case of the port of Ploče, Proceedings of The 16th Annual General Assembly of the International Association of Maritime Universities, Opatija, 7 – 10 October, 2015., 371 – 375.

Vilke, S.; Baričević, H.; Debelić, B.: Značenje sjevernojadranskih luka Rijeke, Kopra i Trsta za Paneuropski koridor V i ogranak Vb, KoREMA – Automatizacija u prometu 2015., 35. skup o prometnim sustavima s međunarodnim sudjelovanjem, Proceedings, Zagreb, 3-8 November 2015.

Vilke, S.; Baričević, H.; Maglić, L.: The Significance of the Intermodal Transport Route through the Port of Rijeka for Sustainable Transport, Proceedings of The 15th International Scientific Conference „Business Logistics in Modern Management”, Osijek, 15 October, 2015., 201 – 209.

Vilke, S.; Debelić, B.; Maglić, L.: Road network linking the sea port as a vital transport factor determining its successful hinterland interconnection. Factors determining the primary and secondary role in the case of the port of Ploče, Proceedings of The 16th Annual General Assembly of the International Association of Maritime Universities, Opatija, 7 – 10 October, 2015., 371 – 375.

Vilke, S.; Baričević, H.; Debelić, B.: Značenje sjevernojadranskih luka Rijeke, Kopra i Trsta za Paneuropski koridor V i ogranak Vb, KoREMA – Automatizacija u prometu 2015., 35. skup o prometnim sustavima s međunarodnim sudjelovanjem, Proceedings, Zagreb, 3-8 November 2015., 235-241.

Vilke, Siniša, Baričević, Hrvoje, Maglić, Livia: Competitive Capability analysis of the North Adriatic Transport Route, ZIRP- Zbornik radova sa Međunarodnog znanstveno-stručnog savjetovanja „Mogućnosti prometnog sustava Republike Hrvatske – godišnjica članstva u EU“, Fakultet prometnih znanosti, ISBN:978-953-243-066-0, Zagreb, 2014.

Vilke, S.; Baričević, H.; Maglić, L.: Competitive Capability analysis of the North Adriatic Transport Route, Zbornik radova sa Međunarodnog znanstveno-stručnog savjetovanja „Mogućnosti prometnog sustava Republike Hrvatske – godišnjica članstva u Europskoj Uniji” – ZIRP, Zagreb, 15.04.2014., 117 – 123.

Maglić, Livia; Baričević, Hrvoje; Vilke, Siniša: Carpooling and the development of sustainable transport, ZIRP- Zbornik radova sa Međunarodnog znanstveno-stručnog savjetovanja „Planiranje i razvoj ekološki održivog prometnog sustava“ „Mogućnosti prometnog sustava Republike Hrvatske – godišnjica članstva u EU“, Fakultet prometnih znanosti, ISBN:978-953-243-066-0, Zagreb, 2013.

Maglić, L.; Baričević, H.; Vilke, S.: Carpooling and the development of sustainable transport, Zbornik radova sa Međunarodnog znanstveno-stručnog savjetovanja „Planiranje i razvoj ekološki održivog prometnog sustava” – ZIRP, Zagreb, 16.04.2013., 38 – 45.

Baričević, H.; Vilke, S.; Šantić, L.: Utjecaj izgradnje višenamjenskog kanala Dunav – Sava na razvoj luke Vukovar, Suvremeni promet: časopis za pitanja teorije i prakse prometa, 30 (2010), 1-2, XVII International Scientific Symposium on Transport Systems, HZDP, Opatija, 22-23 April 2010, 41-45.

Šantić, L.; Vilke, S.; Nikolić, M.: Primjena automatski vođenih vozila u tehnološkom procesu rada lučkih kontejnerskih terminala, KoREMA – Automatizacija u prometu 2010, 30. skup o prometnim sustavima s međunarodnim sudjelovanjem, Proceedings, Zagreb, 9-10 November 2010, 121 – 125.

Vilke, S.; Baričević, H.: The Hinterland of the Bakar Ro-ro terminal in the Context of the North Adriatic Overseas Itineraries, Zbornik radova sa Međunarodnog znanstveno-stručnog savjetovanja – „Logistika i inteligentni transportne tehnologije – prilike za novi gospodarski uspon” – ZIRP, Zagreb, 2 April 2009, 96 – 101.

Research articles:

Mance, D.; Vilke, S.; Debelić, B.: *ICT and Inter-Member State Supply Chains as Economic Drivers in the EU: A Panel Data Analysis*, Logistics, 9 (2) (2025), 49.

Mance, D.; Vilke, S.; Debelić, B.: *Impact of ICT on Regional Supply Chains in CEECs*, Ekonomski vjesnik, 36 (2023), 2, 373 – 385.

Mance, D.; Debelić, B.; Vilke, S.: *Croatian Regional Export Value - Added Chains*, Economies, 11 (2023), 8, 202 – 217.

Bortas, I.; Kolanović, I.; Vilke, S.: *Model for port service quality and intermodality assessment applying fuzzy logic*, Pomorstvo: Journal of maritime studies, 36 (2022), 214-222.

Vilke, S.; Tadić, F.; Čelić, J.; Debelić, B.: *The impact of the northern Adriatic ports container throughput on air quality environmental Parameters*, Scientific journals of the Maritime University of Szczecin, 71 (2022), 143; 123-131.

Vilke, S.; Petrović, I.; Tadić, F.: Evaluation and Selection of the Railroad Route between Rijeka and Zagreb, *Applied Sciences*, 12, (2022), 3, 1306.

Cvitković, I.; Vilke, S.; Krpan, Lj.; Brlek, P.: Removing regulatory features of traffic control in school zones, *Transportation Research Procedia*, Vol. 60 (2022), 228-234.

Vilke, S.; Mance, D.; Debelić, B.; Maslarić, M.: Correlation between freight transport industry and economic growth – panel analysis of CEE countries, *Promet–Traffic & Transportation*, 33 (2021), 4, 517 – 526.

Ukić Boljat, H.; Vilke, S.; Grubišić, N.; Maglić, L.: Application of multi-criteria analysis for the introduction of green port management practices: an evaluation of energy efficient mobility in nautical ports, *Scientific journals of the Maritime University of Szczecin*, 65 (2021), 137; 72-83.

Cvitković, I.; Čišić, D.; Vilke, S.; Grgurević, D.: Mobility trends during the COVID-19 virus pandemic, *Pomorski zbornik: Journal of Maritime & Transportation Sciences*, 60 (2021).

Vilke, S.; Tadić, F.; Ostović, I.; Debelić, B.: The use of hydrogen as an alternative fuel in urban transport, *Pomorstvo: Journal of maritime studies*, 34 (2020).

Grubišić, N.; Krljan, T.; Maglić, L.; Vilke, S.: The Microsimulation Model for Assessing the Impact of Inbound Traffic Flows for Container Terminals Located near City Centers, *Sustainability*, 12 (2020), 22, 9478.

Mance, D.; Vilke, S.; Debelić, B.: Sustainable Governance of Coastal Areas and Tourism Impact on Waste Production: Panel Analysis of Croatian Municipalities, *Sustainability*, 12 (2020), 18, 7243.

Vilke, S.; Tadić, F.: Review of Good Practices in the Introduction of Traffic Management Systems and Urban Mobility, *Pomorski zbornik: Journal of Maritime & Transportation Sciences*, 59 (2020), 95-113.

Vilke, S.; Tadić, F.: The Implementation of Electricity as Road Transportation Fuel, *Pomorski zbornik: Journal of Maritime & Transportation Sciences*, 58 (2020), 91-110.

Magaš, D.; Debelić, B.; Vilke, S.: User's Perception as a Tool for an Integrated Coastal Management and Beach Quality Assessment, *Pomorstvo: Journal of maritime studies*, 33 (2019),.

Maslarić, M.; Nikoličić, S.; Bojić, S.; Debelić, B.; Vilke, S.: Logistics characteristics of goods and containerization level, *International journal for traffic and transport engineering*, Vol. 9 (3), 2019., 347 – 357.

Vilke, S.; Ostović, I.: Sustainability and new technologies in urban transport and mobility, *Pomorski zbornik: Journal of Maritime & Transportation Sciences*, 56 (2019), 73-88.

Vilke, S.; Krpan, Lj.; Milković, M.: Application of the Multi-Criteria Analysis in the Process of Road Route Evaluation, *Tehnički vjesnik – Technical gazette*, Vol. 25 (6), 2018., 1851-1860.

Vilke, S.; Krljan, T.; Debelić, B.: A proposal of measures towards a qualitative enhancement of bus transport services in the Primorsko - goranska county, *Pomorstvo: Journal of maritime studies*, 32 (2018), 1, 50 – 58; .

Ivanić, K.; Debelić, B.; Vilke, S.; Maslarić, M.: Stakeholder Analysis and Coastal Zone Management within Local Communities, *Pomorski zbornik: Journal of Maritime & Transportation Sciences*, 55 (2018), 105-117.

Vilke, S.; Debelić, B.; Tometić, R.: Road connections affecting the competitiveness strengthening of the port of Ploče, *Pomorski zbornik: Journal of Maritime & Transportation Sciences*, 54(2018), 101-117.

Krpan, Lj.; Vilke, S.; Milković, M.: A model of the selection of an optimal railroad route by applying the multiple-criteria analysis, *Tehnički vjesnik – Technical gazette*, Vol. 24 (4), 2017., 1155-1164.

Vilke, S.; Brčić, D.; Kos, S.: Northern and Southern European traffic flow land segment analysis as part of the redirection justification, *The International Journal on Marine Navigation and Safety of Sea Transportation*, 11 (2017) 4.

Vilke, S.; Krljan, T.: Forecast for Lorry Traffic – example of State Road D-404 in Rijeka City, Pomorski zbornik: Journal of Maritime & Transportation Sciences, 53 (2017), 67-84.

Rak, L.; Debelić, B.; Vilke, S.: Modelling the railway port infrastructure management system: a case study of the Port of Ploče, Pomorstvo: Journal of maritime studies, 30 (2016), 1, 88 – 94.

Baričević, H.; Čelić, J.; Vilke, S.: Cooperative Model for Idle Traffic Optimisation, ToMS – Transactions on Maritime Science, Vol. 5, No. 1, 5 – 10 (2016).

Mance, D.; Debelić, B., Vilke, S.: Integrated Maritime Policy of the European Union as the Planning Model for Croatia, Pomorski zbornik: Journal of Maritime & Transportation Sciences, 49-50 (2015), 29-40.

Grubišić, N.; Vilke, S., Barić M.: A contribution to berth allocation problem solution with draft restrictions, Pomorski zbornik: Journal of Maritime & Transportation Sciences, 49-50 (2015), 127-142.

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