

# CURRICULUM

Emiliano Pasquini was born in Chiaravalle (AN) Italy in June 21th 1979.

He graduated in Civil Engineering at the Polytechnic University of Marche in 2005 cum laude with a special mention for the thesis entitled "Performance comparison of grid-reinforced asphalt systems".

In 2009 he took his Ph.D. in Transportation and Infrastructure Engineering at the Polytechnic University of Marche discussing the thesis entitled "Advanced characterization of innovative environmentally friendly bituminous mixtures".

**Since 2021 he is Associate Professor** in the field of "Roads, Railroads and Airports" at the Department of Civil, Environmental and Architectural Engineering (ICEA) of the University of Padova.

## RESEARCH EXPERIENCE

- **2005-2008: PhD Student** in the field of Pavement Engineering at the Polytechnic University of Marche – Department of Civil and Building Engineering and Architecture (DICEA), Ancona, Italy.
- **2009-2015: Research Associate** in the field of Pavement Engineering at the Polytechnic University of Marche – Department of Civil and Building Engineering and Architecture (DICEA), Ancona, Italy.
- **2014-2015: Research Associate** in the field of Pavement Engineering at the University of Padova – Department of Civil, Environmental and Architectural Engineering (ICEA), Padova, Italy.
- **2015-2021: Assistant Professor** in the field of "Roads, Railroads and Airports" at the Department of Civil, Environmental and Architectural Engineering (ICEA) of the University of Padova.
- **2017: National Scientific Qualification** to function as **Associate Professor** in Italian Universities
- **2020: National Scientific Qualification** to function as **Full Professor** in Italian Universities
- **From 09/04/2021 2020: Associate Professor** in the field of "Roads, Railroads and Airports" at the Department of Civil, Environmental and Architectural Engineering (ICEA) of the University of Padova.

## TEACHING EXPERIENCE

- **2014-2018: Lecturer** for the course of Road Infrastructures Design at the National Advanced School of Public Works (Ecole Nationale Superiure des Travaux Publics), Yaounde, Camerun.
- **2016-2017: Lecturer** for the course of Road Infrastructures Design at the University of Padova – Department of Civil, Environmental and Architectural Engineering (ICEA), Padova, Italy.
- **2017-2021: Lecturer** for the course of Safety of Transport Infrastructures at the University of Padova – Department of Civil, Environmental and Architectural Engineering (ICEA), Padova, Italy.
- **2016-2021: Lecturer** at the Master in “Planning, Design, Construction and Management of Airport Infrastructures” at the University of Padova – Department of Civil, Environmental and Architectural Engineering (ICEA), Padova, Italy
- **2017: Lecturer** at the PhD course in “Civil, Environmental and Architectural Engineering” at the University of Trieste – University of Udine, Italy
- **2013-2014: Assistant Lecturer** for the course of Road Infrastructures Design at the University of Padova – Department of Civil, Environmental and Architectural Engineering (ICEA), Padova, Italy.
- **2014-2016: Assistant Lecturer** for the course of Road, Railways and Airports at the University of Padova – Department of Civil, Environmental and Architectural Engineering (ICEA), Padova, Italy.
- **2015-2016: Assistant Lecturer** for the course of Road Infrastructures Design at the University of Padova – Department of Civil, Environmental and Architectural Engineering (ICEA), Padova, Italy.
- **2015-2016: Assistant Lecturer** for the course of Railways and Airports Infrastructures at the University of Padova – Department of Civil, Environmental and Architectural Engineering (ICEA), Padova, Italy.
- **2017-2021: Assistant Lecturer** for the course of Road Infrastructures Design at the University of Padova – Department of Civil, Environmental and Architectural Engineering (ICEA), Padova, Italy.
- **from 2016: Member of the Organizing Committee of the Master** in “Planning, Design, Construction and Management of Airport Infrastructures” at the University of Padova – Department of Civil, Environmental and Architectural Engineering (ICEA), Padova, Italy.
- **from 2017: Academic Coordinator of the Erasmus+ Inter-Institutional Agreement** between Department of Civil, Environmental and Architectural Engineering (ICEA) – University of Padova and Dep. Ingenieria Civil – Escuela Politecnica Superior – Univeridad de Burgos (Spagna).

- **Supervisor or cosupervisor** of more than 70 Bachelor degree and Master degree **thesis works** at Polytechnic University of Marche, Ancona, Italy – University of Padova, Padova, Italy – Advanced School of Public Works (Ecole Nationale Superiure des Travaux Publics), Yaounde, Camerun.

## RESEARCH FIELDS AND ACTIVITIES

He is an expert on road materials and pavement engineering as demonstrated by several papers published on International Journals and Conference Proceedings. Now he is involved in experimental projects on pavement reinforcement, hot and cold recycling of reclaimed asphalt as well as environmentally friendly materials and technologies to investigate their potentialities for pavement applications.

Main research activities:

- Scientific supervisor of the PostDoc Fellowships “Development of innovative composite materials as reinforcing interlayer systems for high-performance asphalt pavements”, University of Padova, Department of Civil, Environmental and Architectural Engineering ICEA, Italy (2017-2019).
- Member of the Advisory Board of the PhD course in “Civil, Environmental and Architectural Engineering Sciences”, University of Padova, Department of Civil, Environmental and Architectural Engineering ICEA, Italy (2017-2020).
- Member of the Scientific Commission of “Civil Engineering and Architecture” – subarea “Structural, Transportation and Geotechnical Engineering” of the University of Padova, Italy (2016-2020).
- Member of RILEM (International Union of Laboratories and Experts in Construction Materials, Systems and Structures).
- Member of SIIV (Italian Society of Transportation Infrastructures).
- Member of AIIT (Italian Association of Railway Engineers).
- Member of CIFI (Italian Association for Traffic and Transportation Engineering).
- Member of CIRS (Experimental Inter-university Centre of Road and Airport Research).
- Member of the interdepartmental research centre for energy economics and technology “Giorgio Levi Cases” of the University of Padova, Italy.
- Member of the interdepartmental research centre "International Center for Hydrology Dino Tonini" of the University of Padova, Italy.
- Member of PRIN (Projects of Relevant National Interest) research unit - year 2007.
- Member of PRIN (Projects of Relevant National Interest) research unit - years 2009.
- Member of FIRB (Italian funding initiative "Futuro in Ricerca") research unit - year 2010.

- Member of the International Scientific Committee of the 8th International RILEM Symposium – SIB2015.
- Member of the Local Organizing Committee of the 8th International RILEM Symposium – SIB2015.
- Member of the International Scientific Committee of the 7th International EATA Conference – EATA2017.
- Member of the International Scientific Committee of the 8th International EATA Conference – EATA2019.
- Member of the International Scientific Committee of the 5th International Symposium on Asphalt Pavements & Environment (APE) – ISAP APE 2019.
- Member of the Local Organizing Committee of the 5th International Symposium on Asphalt Pavements & Environment (APE) – ISAP APE 2019.
- Member of the International Scientific Committee of the RILEM International Symposium on Bituminous Materials – ISBM Lyon 2020.
- Member of the International Scientific Committee of the 9th International Conference on Maintenance and Rehabilitation of Pavements – MAIREPAV9 (Zurich2020).
- Member of the International Scientific Committee of the 9th International EATA Conference – EATA2021.
- Guest Editor of the Special Issue “*Innovative Practices into Road Pavement Maintenance Management*” for the International Journal “*Infrastructures*” (EISSN 2412-3811 – Publisher MDPI AG)
- Deputy Chair of the RILEM TC279 WMR “*Valorisation of Waste and Secondary Materials for Roads*”
- Leader of RILEM TC279 WMR “*Valorisation of Waste and Secondary Materials for Roads – TG3: Waste aggregates in asphalt mixtures*”.
- Member of RILEM TC 237-SIB “*Testing and Characterization of Sustainable & Innovative Bituminous Materials*” – TG 4 “*Pavement Multilayer System Testing*” 2009-2013.
- Member of RILEM TC264 RAP “*Asphalt Pavement Recycling – TG1: Cold Recycling*”.
- Member of RILEM TC264 RAP “*Asphalt Pavement Recycling – TG3: Asphalt Binders and Additives*”.
- Member of RILEM TC264 RAP “*Asphalt Pavement Recycling – TG5: Degree of Binder Activation*”.
- Member of RILEM TC279 WMR “*Valorisation of Waste and Secondary Materials for Roads – TG1: Waste plastic modified asphalt binders*”.

- Member of RILEM TC280 CBE “*Multiphase characterisation of cold bitumen emulsion materials – TG1: Emulsions and Emulsion-Based Composites*”.
- Expert reviewer of the international journal “*Construction and Building Materials*” (Awarded Reviewer).
- Expert reviewer of the international journal “*Journal of Environmental Informatics*”.
- Expert reviewer of the international journal “*International Journal of Pavement Engineering*”.
- Expert reviewer of the international journal “*International Journal of Pavement Research and Technology*”.
- Expert reviewer of the international journal “*International Journal of Roads and Airports*”.
- Expert reviewer of the international journal “*Indian Journal of Engineering and Materials Sciences*”.
- Expert reviewer of the international journal “*Environmental Engineering and Management Journal*”.
- Expert reviewer of the international journal “*Geosynthetics International*”.
- Expert reviewer of the international journal “*Advances in Civil Engineering*”.
- Expert reviewer of the international journal “*Scientific Research and Essays*”.
- Expert reviewer of the international journal “*Road Materials and Pavement Design*”.
- Expert reviewer of the international journal “*Journal of Basic and Applied Research international*”.
- Expert reviewer of the international journal “*Journal of Traffic and Transportation Engineering (English Edition)*”.
- Expert reviewer of the international journal “*World Journal of Engineering and Technology*”.
- Expert reviewer of the international journal “*Journal of Testing and Evaluation*”.
- Expert reviewer of the international journal “*European Journal of Environmental and Civil Engineering*”.
- Expert reviewer of the international journal “*British Journal of Applied Science & Technology*”.
- Expert reviewer of the international journal “*Materials and Design*”.
- Expert reviewer of the international journal “*Advances in Civil Engineering Materials*”.
- Expert reviewer of the international journal “*Journal of Cleaner Production*”.
- Expert reviewer of the international journal “*Applied Sciences*”.

- Expert reviewer of the international journal “*Resources, Conservation and Recycling*”.
- Expert reviewer of the international journal “*Materials*” (member of the *Reviewer Board*).
- Expert reviewer of the international journal “*Materials and Structures*”.
- Expert reviewer of the international journal “*Sustainability*”.
- Expert reviewer of the international journal “*Sustainable and Resilient Infrastructure*”.
- Expert reviewer of the international journal “*Case Studies in Construction Materials*”.
- Expert reviewer of the “*8th International RILEM Symposium – SIB2015*”.
- Expert reviewer of the “*International Congress on Transport Infrastructure and Systems – TIS2017*”.
- Expert reviewer of the “*7th International EATA Conference – EATA2017*”.
- Expert reviewer of the “*8th International EATA Conference – EATA2019*”.
- Expert reviewer of the “*5th International Symposium on Asphalt Pavements & Environment (APE) – ISAP APE 2019*”.
- Expert reviewer of the “*9th International Conference on Maintenance and Rehabilitation of Pavements – MAIREPAV9 (Zurich2020)*”.
- Expert reviewer of the “*RILEM International Symposium on Bituminous Materials – ISBM Lyon 2020*”.
- Expert reviewer of the “*9th International EATA Conference – EATA2021*”.
- Research periods at the Swiss Federal Laboratories for Materials and Technology (EMPA) within a collaboration with Prof. M.N. Partl.
- **Oral presentation** selected paper "*Mechanical characterization of environmentally friendly mixtures*", International conference on advanced characterization of pavement and soil engineering materials, Athens, 2007;
- **Oral presentation** selected paper "*Acoustic characterization of different road materials*", ISAP International Symposium on Asphalt Pavements and Environment, Zurich, 2008.
- **Oral presentation** selected paper "*Valutazione sperimentale dell'efficacia dis inquinante di pavimentazioni fotocatalitiche*" (*Experimental evaluation of de-pollution efficiency of photocatalytic pavements*), 17° Convegno nazionale SIIV, Enna, 2008 (In Italian).
- **Oral presentation** selected paper "*Experimental study on cold micro-surfacing with crumb rubber*", 6th International Conference on Maintenance and Rehabilitation of Pavements and Technological Control MAIREPAV6, Turin, 2009.



- **Oral presentation** selected paper "*Acoustic characterization of Asphalt Rubber mixtures in Italy*", 39th International Congress on Noise Control Engineering - Noise and Sustainability - INTERNOISE2010, Lisbon, 2010.
- **Invited lecture** "*Caratterizzazione meccanica e funzionale di conglomerati bituminosi Asphalt Rubber*" (*Mechanical and Functional Characterization of Asphalt Rubber Mixtures*), IX SIIV Summer School, Brescia, 2011 (In Italian).
- **Oral presentation** selected paper "*Optimization of Geocomposites for Double-Layered Bituminous Systems*" 7th International RILEM Conference on Cracking in Pavements, Delft, 2012.
- **Oral presentation** selected paper "*Effect of warm mix chemical additives on the binder-aggregate bond strength and high-service temperature performance of asphalt mixes containing electric arc furnace steel slag*" 8th RILEM International Symposium on Testing and Characterization of Sustainable and Innovative Bituminous Materials – SIB2015, Ancona, 2015.
- **Invited speaker** "*Multi-scale analysis of warm-mix asphalt containing electric arc furnace steel slags*", Seminar on "Valorization of Electric Arc Furnace slag in civil engineering applications", Padova, 2016.
- **Invited lecture** "*Eco-friendly asphalt mixtures for sustainable infrastructures. Case study of warm-mix asphalt containing electric arc furnace steel slag*", XIV SIIV Summer School, Turin, 2016.
- **Invited speaker** "*Multi-scale comprehensive characterization of warm-modified bituminous mixtures containing steel slags*", Seminar on "Reuse of waste in building and civil engineering applications", Burgos, 2016.
- **Oral presentation** selected paper "*Recycling bituminous shingles in cold mix asphalt for high-performance patching repair of road pavements*" World Conference on Pavement and Asset Management WCPAM2017, Baveno, 2017.
- **Invited speaker** "*Multiscale analysis of warm mix asphalt containing EAF steel slags*", 3<sup>rd</sup> International Workshop on "The use of marginal materials in road construction", Padova, 2017 [under the auspices of ISAP (International Society for Asphalt Pavements) – TC APE (Asphalt Pavement and Environment) – WG6: "By-products and Secondary Materials Recycling in Asphalt Pavements"]].
- **Invited speaker** "*I collegamenti ferroviari italiani con i paesi confinanti a est, Austria e Slovenia*" (*Italian railway connections with Austria and Slovenia*), Congress on "Ferrovie transalpine: collegamenti internazionali e mobilità locale (Transalpine railroads: international connections and local mobility)", Padova, 2018 (in Italian).
- **Oral presentation** selected paper "*Experimental study aimed at highlighting warnings for proper design, construction and control of geocomposite-reinforced asphalt pavements*" 13<sup>th</sup> ISAP Conference on Asphalt Pavements ISAP2018, Fortaleza, 2018.

- **Invited speaker** "*Ricostruzione della dinamica degli incidenti stradali: ricerca e applicazione*" (*Road accidents reconstruction: research and application*), Seminar on "Ingegneria Forense Treviso Forensic 2018 (Forensic Engineering Treviso Forensic 2018)", Mogliano Veneto (TV), 2018 (in Italian).
- **Invited speaker** "*I collegamenti ferroviari italiani con i paesi confinanti a est, Austria e Slovenia*" (*Italian railway connections with Austria and Slovenia*), Congress on "Ferrovie transalpine: collegamenti internazionali e mobilità locale (Transalpine railroads: international connections and local mobility)", Bolzano, 2018 (in Italian).
- **Oral presentation** selected paper "*A rheological study on rejuvenated binder containing very high content of aged bitumen*" RILEM 252-CMB-Symposium, Braunschweig, 2018
- **Oral presentation** selected paper "*Innovative pavement surfaces as Urban Heat Islands mitigation strategy: chromatic, thermal and mechanical characterization of clear/colored mixtures*" 8<sup>th</sup> EATA Conference, Granada, 2019
- **Oral presentation** selected paper "*Influence of the production temperature on the optimization process of asphalt mixes prepared with steel slag aggregates only*" 5<sup>th</sup> ISAP APE Symposium, Padova, 2019
- **Oral presentation** selected paper "*Influence of the bitumen grade on the optimization process of asphalt mixes prepared with steel slag aggregate only*" 10<sup>th</sup> European Slag Conference, Thessaloniki, 2019
- **Invited speaker** "*A multiscale approach to investigate the use of Ladle Furnace Slags into asphalt mixtures*" ISAP (International Society for Asphalt Pavements) Day 2020, Washington DC, 2020
- **Oral presentation** selected paper "*Influence of curing on the mechanical properties of cement-bitumen treated materials using foamed bitumen: an interlaboratory test program*" 9<sup>th</sup> International Conference on Maintenance and Rehabilitation of Pavements – MAIREPAV9 (Zurich2020), On-Line Conference (ZOOM), 2020
- **Oral presentation** selected paper "*An interlaboratory test program on the extensive use of waste aggregates in asphalt mixtures: preliminary steps*" RILEM International Symposium on Bituminous Materials – ISBM Lyon 2020, On-Line Conference (ZOOM), 2020

## AWARDS

- **2008: SIIV Scientific Research Awards** for the best papers presented at the annual Conference, with the paper entitled "*Valutazione sperimentale dell'efficacia disinquinante di pavimentazioni fotocatalitiche*" (*Experimental evaluation of de-pollution efficiency of photocatalytic pavements*) (In Italian).



- **2009: Scientific Research Award for the best paper on "Innovative Materials and Pavements"** presented at the 6th International Conference on Maintenance and Rehabilitation of Pavements and Technological Control MAIREPAV6 with the paper entitled "*Experimental study on cold micro-surfacing with crumb rubber*".

## PUBLICATIONS

### INTERNATIONAL JOURNALS:

1. M. N. Partl, F. Canestrari, E. Pasquini, A. Virgili, "*Analysis of Water and Thermal Sensitivity of Open Graded Asphalt Rubber Mixtures*", Construction and Building Materials, vol. 24(3), 2010. doi:10.1016/j.conbuildmat.2009.08.041  
Web of Science code: 000274870300009 – Scopus code: 2-s2.0-73649116330  
Web of Science citations: 42 – Scopus citations: 48  
5-year Impact Factor (5YIF): 4.039 – SCImago Journal Rank (SJR): 1.607  
Article Influence (AI): 0.661 – Source Normalized Impact per Paper (SNIP): 2.309
2. M. Bocci, F. Canestrari, A. Grilli, E. Pasquini, D. Lioi, "*Recycling Techniques and Environmental Issues Relating to the Widening of an High Traffic Volume Italian Motorway*", International Journal of Pavement Research and Technology, Vol. 3(4), 2010.  
Scopus code: 2-s2.0-78651591674  
Scopus citations: 32  
SCImago Journal Rank (SJR): 0.311  
Source Normalized Impact per Paper (SNIP): 0.577
3. E. Pasquini, F. Canestrari, F. Cardone, F.A. Santagata, "*Performance Evaluation of Gap Graded Asphalt Rubber Mixtures*", Construction and Building Materials, vol. 25(4), 2011. doi:10.1016/j.conbuildmat.2010.11.048  
Web of Science code: 000287379300060 – Scopus code: 2-s2.0-78650913815  
Web of Science citations: 38 – Scopus citations: 43  
5-year Impact Factor (5YIF): 4.039 – SCImago Journal Rank (SJR): 1.607  
Article Influence (AI): 0.661 – Source Normalized Impact per Paper (SNIP): 2.309
4. E. Pasquini, F. Canestrari, F.A. Santagata, "*Durability assessment of Asphalt Rubber mixtures*", International Journal of Pavement Research and Technology, Vol. 5(2), 2012.  
Scopus code: 2-s2.0-84859181309  
Scopus citations: 4  
SCImago Journal Rank (SJR): 0.311  
Source Normalized Impact per Paper (SNIP): 0.577

5. A. Graziani, G. Ferrotti, E. Pasquini, F. Canestrari, “*An Application to the European Practice of the Bailey Method for HMA Aggregate Grading Design*”, *Procedia – Social and Behavioral Sciences*, Vol. 53, 2012. doi:10.1016/j.sbspro.2012.09.948  
Web of Science code: 000312560400095  
Web of Science citations: 10
  
6. G. Ferrotti, F. Canestrari, E. Pasquini, A. Virgili, “*Experimental evaluation of the influence of surface coating on fiberglass geogrid performance in asphalt pavements*”, *Geotextiles and Geomembranes*, Vol. 31, 2012. doi:10.1016/j.geotexmem.2012.02.011  
Web of Science code: 000310186600002 – Scopus code: 2-s2.0-84857488539  
Web of Science citations: 41 – Scopus citations: 57  
5-year Impact Factor (5YIF): 3.578 – SCImago Journal Rank (SJR): 1.771  
Article Influence (AI): 0.750 – Source Normalized Impact per Paper (SNIP): 2.296
  
7. E. Pasquini, M. Bocci, G. Ferrotti, F. Canestrari, “*Laboratory Characterisation and Field Validation of Geogrid-Reinforced Asphalt Pavements*”, *Road Materials and Pavement Design*, Vol. 14(1), 2013. doi: 10.1080/14680629.2012.735797  
Web of Science code: 000315352600002 – Scopus code: 2-s2.0-84878262575  
Web of Science citations: 37 – Scopus citations: 45  
5-year Impact Factor (5YIF): 2.144 – SCImago Journal Rank (SJR): 1.143  
Article Influence (AI): 0.497 – Source Normalized Impact per Paper (SNIP): 1.845
  
8. F. Frigio, E. Pasquini, G. Ferrotti, F. Canestrari, “*Improved durability of recycled porous asphalt*”, *Construction and Building Materials*, Vol. 48, 2013. doi:10.1016/j.conbuildmat.2013.07.044  
Web of Science code: 000327561200091 – Scopus code: 2-s2.0-84883115036  
Web of Science citations: 21 – Scopus citations: 25  
5-year Impact Factor (5YIF): 4.039 – SCImago Journal Rank (SJR): 1.607  
Article Influence (AI): 0.661 – Source Normalized Impact per Paper (SNIP): 2.309
  
9. E. Pasquini, M. Bocci, F. Canestrari, “*Laboratory characterisation of optimised geocomposites for asphalt pavement reinforcement*”, *Geosynthetics International*, Vol. 21(1), 2014. doi:10.1680/gein.13.00032  
Web of Science code: 000331796200002 – Scopus code: 2-s2.0-84901750003  
Web of Science citations: 13 – Scopus citations: 17  
5-year Impact Factor (5YIF): 2.657 – SCImago Journal Rank (SJR): 1.429  
Article Influence (AI): 0.719 – Source Normalized Impact per Paper (SNIP): 1.558

10. A. Graziani, E. Pasquini, G. Ferrotti, A. Virgili, F. Canestrari, “*Structural response of grid-reinforced bituminous pavements*”, *Materials and Structures*, Vol. 47(8), 2014. doi:10.1617/s11527-014-0255-1  
Web of Science code: 000339377200010 – Scopus code: 2-s2.0-84904397705  
Web of Science citations: 14 – Scopus citations: 20  
5-year Impact Factor (5YIF): 2.528 – SCImago Journal Rank (SJR): 1.383  
Article Influence (AI): 0.719 – Source Normalized Impact per Paper (SNIP): 1.576
11. G. Ferrotti, E. Pasquini, F. Canestrari, “*Experimental characterization of high-performance fiber-reinforced cold mix asphalt mixtures*”, *Construction and Building Materials*, Vol. 57, 2014. doi:10.1016/j.conbuildmat.2014.01.089  
Web of Science code: 000334133700014 – Scopus code: 2-s2.0-84894543728  
Web of Science citations: 31 – Scopus citations: 35  
5-year Impact Factor (5YIF): 4.039 – SCImago Journal Rank (SJR): 1.607  
Article Influence (AI): 0.661 – Source Normalized Impact per Paper (SNIP): 2.309
12. E. Pasquini, A. Bonati, F. Giuliani, F. Canestrari, “*Advanced Characterization of Clear Chip Seals*”, *Journal of Testing and Evaluation*, Vol. 42(5), 2014. doi:10.1520/JTE20130119  
Web of Science code: 000349248600005 – Scopus code: 2-s2.0-84908120738  
Web of Science citations: 4 – Scopus citations: 6  
5-year Impact Factor (5YIF): 0.721 – SCImago Journal Rank (SJR): 0.339  
Article Influence (AI): 0.158 – Source Normalized Impact per Paper (SNIP): 0.533
13. G. Cerni, A. Corradini, E. Pasquini, F. Cardone, “*Resilient Behaviour of Unbound Granular Materials through Repeated Load Triaxial Test: Influence of the Conditioning Stress*”, *Road Materials and Pavement Design*, Vol. 16(1), 2015. doi:10.1080/14680629.2014.964294  
Web of Science code: 000349451300005 – Scopus code: 2-s2.0-84922769628  
Web of Science citations: 11 – Scopus citations: 11  
5-year Impact Factor (5YIF): 2.144 – SCImago Journal Rank (SJR): 1.143  
Article Influence (AI): 0.497 – Source Normalized Impact per Paper (SNIP): 1.845
14. F. Frigio, E. Pasquini, M. N. Partl, F. Canestrari, “*Use of reclaimed asphalt in porous asphalt mixtures: laboratory and field evaluations*”, *ASCE Journal of Materials in Civil Engineering*, Vol. 27(7), 2015. doi:10.1061/(ASCE)MT.1943-5533.0001182  
Web of Science code: 000356421200028 – Scopus code: 2-s2.0-84931049837  
Web of Science citations: 11 – Scopus citations: 19  
5-year Impact Factor (5YIF): 2.256 – SCImago Journal Rank (SJR): 1.034  
Article Influence (AI): 0.561 – Source Normalized Impact per Paper (SNIP): 1.307

15. E. Pasquini, M. Pasetto, F. Canestrari, “*Geocomposites against Reflective Cracking in Asphalt Pavements: Laboratory Simulation of a Field Application*”, *Road Materials and Pavement Design*, Vol. 16(4), 2015. doi: 10.1080/14680629.2015.1044558  
Web of Science code: 000365527500005 – Scopus code: 2-s2.0-84948113244  
Web of Science citations: 10 – Scopus citations: 14  
5-year Impact Factor (5YIF): 2.144 – SCImago Journal Rank (SJR): 1.143  
Article Influence (AI): 0.497 – Source Normalized Impact per Paper (SNIP): 1.845
  
16. E. Pasquini, G. Giacomello, M. Pasetto, F. Canestrari, “*Laboratory evaluation of the effect of low-temperature application of warm-mix asphalts on interface shear strength*”, *Construction and Building Materials*, Vol. 88, 2015. doi: 10.1016/j.conbuildmat.2015.04.009  
Web of Science code: 000357909700006 – Scopus code: 2-s2.0-84928494261  
Web of Science citations: 10 – Scopus citations: 10  
5-year Impact Factor (5YIF): 4.039 – SCImago Journal Rank (SJR): 1.607  
Article Influence (AI): 0.661 – Source Normalized Impact per Paper (SNIP): 2.309
  
17. F. Frigio, E. Pasquini, F. Canestrari, “*Laboratory study to evaluate the influence of reclaimed asphalt content on performance of recycled porous asphalt*”, *Journal of Testing and Evaluation*, Vol. 43(6), 2015. doi:10.1520/JTE20140024  
Web of Science code: 000369397200012 – Scopus code: 2-s2.0-84957808789  
Web of Science citations: 5 – Scopus citations: 15  
5-year Impact Factor (5YIF): 0.721 – SCImago Journal Rank (SJR): 0.339  
Article Influence (AI): 0.158 – Source Normalized Impact per Paper (SNIP): 0.533
  
18. M. Pasetto, G. Giacomello, A. Baliello, E. Pasquini, “*Rheological Characterization of Warm-Modified Asphalt Mastics Containing Electric Arc Furnace Steel Slags*”, *Advances in Materials Science and Engineering*, Vol. 2016, 2016. doi: 10.1155/2016/9535940  
Web of Science code: 000372221100001 – Scopus code: 2-s2.0-84962327073  
Web of Science citations: 6 – Scopus citations: 10  
5-year Impact Factor (5YIF): 1.577 – SCImago Journal Rank (SJR): 0.315  
Article Influence (AI): 0.327 – Source Normalized Impact per Paper (SNIP): 0.686
  
19. M. Pasetto, A. Baliello, G. Giacomello, E. Pasquini, “*Sustainable solutions for road pavements: a multi-scale characterization of warm mix asphalts containing steel slags*”, *Journal of Cleaner Production*, Vol. 166, 2017. doi: 10.1016/j.jclepro.2017.07.212  
Web of Science code: 000412607100078 – Scopus code: 2-s2.0-85029188117  
Web of Science citations: 43 – Scopus citations: 44  
5-year Impact Factor (5YIF): 6.352 – SCImago Journal Rank (SJR): 1.467  
Article Influence (AI): 0.816 – Source Normalized Impact per Paper (SNIP): 2.194

20. M. Pasetto, E. Pasquini, G. Giacomello, A. Baliello, “*Innovative pavement surfaces as Urban Heat Islands mitigation strategy: chromatic, thermal and mechanical characterization of clear/colored mixtures*”, *Road Materials and Pavement Design*, Vol. 20(sup1), 2019. doi: 10.1080/14680629.2019.1593230  
Web of Science code: 000468539800033 – Scopus code: 2-s2.0-85065122786  
Web of Science citations: 4 – Scopus citations: 4  
5-year Impact Factor (5YIF): 2.144 – SCImago Journal Rank (SJR): 1.143  
Article Influence (AI): 0.497 – Source Normalized Impact per Paper (SNIP): 1.845
21. M. Pasetto, E. Pasquini, G. Giacomello, A. Baliello, “*Innovative composite materials as reinforcing interlayer systems for asphalt pavements: an experimental study*”, *Road Materials and Pavement Design*, Vol. 20(sup2), 2019. doi: 10.1080/14680629.2019.1628438  
Web of Science code: 000472453100001 – Scopus code: 2-s2.0-85067885935  
Web of Science citations: 4 – Scopus citations: 5  
5-year Impact Factor (5YIF): 2.144 – SCImago Journal Rank (SJR): 1.143  
Article Influence (AI): 0.497 – Source Normalized Impact per Paper (SNIP): 1.845
22. M. Pasetto, A. Baliello, G. Giacomello, E. Pasquini, “*Aesthetic and Mechanical Suitability of a Clear Synthetic Resin as Unconventional Binder for Road Pavements*”, *Advances in Materials Science and Engineering (Special Issue on Novel Bituminous Materials for Sustainable Pavements)*, Vol. 2019, 2019. doi: 10.1155/2019/8643608  
Web of Science code: 000474542300001 – Scopus code: 2-s2.0-85068860549  
Web of Science citations: 2 – Scopus citations: 2  
5-year Impact Factor (5YIF): 1.577 – SCImago Journal Rank (SJR): 0.315  
Article Influence (AI): 0.327 – Source Normalized Impact per Paper (SNIP): 0.686
23. M. Skaf, E. Pasquini, V. Revilla-Cuesta, V. Ortega-López, “*Performance and Durability of Porous Asphalt Mixtures Manufactured Exclusively with Electric Steel Slags*”, *Materials (Special Issue on Recent Research in the Design of New Sustainable Building Materials)*, Vol. 12(20), 2019. doi: 10.3390/ma12203306  
Web of Science code: 000498402100029 – Scopus code: 2-s2.0-85074286704  
Web of Science citations: 12 – Scopus citations: 16  
5-year Impact Factor (5YIF): 3.532 – SCImago Journal Rank (SJR): 0.686  
Article Influence (AI): 0.607 – Source Normalized Impact per Paper (SNIP): 1.200



24. M. Pasetto, A. Baliello, E. Pasquini, M. Skaf, V. Ortega-López, “*Performance-based characterization of bituminous mortars prepared with ladle furnace steel slag*”, Sustainability (Special Issue on Sustainable Pavement Materials, Design and Construction), Vol. 12(5), 2020. doi: 10.3390/su12051777

Web of Science code: 000522470900078 – Scopus code: 2-s2.0-85085243498

Web of Science citations: 2 – Scopus citations: 2

5-year Impact Factor (5YIF): 2.801 – SCImago Journal Rank (SJR): 0.549

Article Influence (AI): 0.335 – Source Normalized Impact per Paper (SNIP): 1.169

25. V. Revilla-Cuesta, V. Ortega-López, M. Skaf, E. Pasquini, M. Pasetto, “*Preliminary Validation of Steel Slag-Aggregate Concrete for Rigid Pavements: A Full-Scale Study*”, Infrastructures (Special Issue on Innovative Practices into Road Pavement Maintenance Management), Vol. 6(5), 2021. doi: 10.3390/infrastructures6050064

Codice ISI: - – Codice Scopus: -

Citazioni Web of Science: - – Citazioni Scopus: -

5-year Impact Factor (5YIF): - – SCImago Journal Rank (SJR): 0.243

Article Influence (AI): - – Source Normalized Impact per Paper (SNIP): 0.696

26. M. Pasetto, A. Baliello, G. Giacomello, E. Pasquini, “*Towards asphalt mixes with huge amounts of RAP: a comprehensive performance-based study of rejuvenated binders*”, Accepted for publication to Journal of Traffic and Transportation Engineering (English Edition), 2021.

Scopus code: -

Scopus citations: -

SCImago Journal Rank (SJR): 0.480

Source Normalized Impact per Paper (SNIP): 1.451

#### INDEXED BOOK CHAPTERS AND INTERNATIONAL CONFERENCES:

27. F. Canestrari, M. Bocci, G. Ferrotti, E. Pasquini, “*Mechanical characterization of environmentally friendly mixtures*”, Proceedings, International Conference Advanced Characterisation of Pavement and Soil Engineering Materials, Atene, 2007.

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Web of Science citations: 5 – Scopus citations: 7

28. F. Canestrari, E. Pasquini, G. Ferrotti, P. Riviera, “*Experimental study on cold micro-surfacing with crumb rubber*”, Proceedings, 6th International Conference on Maintenance and Rehabilitation of Pavements and Technological Control MAIREPAV6, Torino, 2009. (Best paper award)

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Scopus citations: 2



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Scopus citations: 3
30. F. Canestrari, E. Pasquini, L. Belogi, “*Optimization of geocomposites for double-layered bituminous systems*”, RILEM Bookseries, Vol. 4 – Proceedings, 7th RILEM International Conference on Cracking in Pavements, Delft, 2012.  
Scopus code: 2-s2.0-84874327363  
Scopus citations: 11
31. E. Pasquini, F. Cardone, F. Canestrari, “*Moisture sensitivity of interlayers between conventional and porous asphalt mixes*”, Asphalt Pavements – Proceedings, 12th ISAP Conference on Asphalt Pavements ISAP2014, Raleigh, 2014.  
Web of Science code: 000347408100121 – Scopus code: 2-s2.0-84904117332  
Web of Science citations: 3 – Scopus citations: 5
32. F. Frigio, E. Pasquini, F. Canestrari, “*Field validation of hot-recycled porous asphalt containing 20% RAP*”, Bituminous Mixtures and Pavements VI – Proceedings, 6th International Conference on Bituminous Mixtures and Pavements (6th ICONFBMP), Salonicco, 2015.  
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Scopus citations: 0
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Web of Science code: 000381366300039 – Scopus code: 2-s2.0-84942346085  
Web of Science citations: 2 – Scopus citations: 5
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Scopus code: 2-s2.0-85058066596

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36. M. Pasetto, E. Pasquini, G. Giacomello, A. Baliello, “*Life-Cycle Assessment of road pavements containing marginal materials: comparative analysis based on a real case study*”, Pavement Life-Cycle Assessment – Proceedings, Pavement Life-Cycle Assessment Symposium 2017, Champaign, IL, 2017.

Scopus code: 2-s2.0-85029168533

Scopus citations: 5

37. M. Pasetto, G. Giacomello, E. Pasquini, I. Antunes, “*Laboratory evaluation of the flexural properties of membrane reinforced asphalt systems*”, Pavement and Asset Management – Proceedings, World Conference on Pavement and Asset Management WCPAM2017, Baveno, 2017.

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Scopus citations: 0

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Codice ISI: 000518218300063

Citazioni Web of Science: 0

41. M. Skaf, V. Ortega-López, J.M. Manso, E. Pasquini, M. Pasetto, “*Mix design and preliminary validation of sustainable asphalt concrete manufactured with electric arc and ladle furnace steel slags*”, Road and Rail Infrastructure V – Proceedings, 5th International Conference on Road and Rail Infrastructure (CETRA2018), Zara, 2018.

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Scopus citations: 1

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47. E. Pasquini, G. Giacomello, M. Skaf, V. Ortega-López, J.M. Manso, M. Pasetto, “*Influence of the production temperature on the optimization process of asphalt mixes prepared with steel slag aggregates only*”, Lectures Notes in Civil Engineering, Vol. 48 – Proceedings, 5th International Symposium on Asphalt Pavements & Environment (APE) (ISAP APE 2019), Padova, 2019.

Web of Science code: 000613129500021 – Scopus code: 2-s2.0-85072111186  
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48. M. Pasetto, G. Giacomello, E. Pasquini, “*Effectiveness of rejuvenators for asphalt mixtures with high Reclaimed Asphalt Pavement content in cold climates*”, Lectures Notes in Civil Engineering, Vol. 48 – Proceedings, 5th International Symposium on Asphalt Pavements & Environment (APE) (ISAP APE 2019), Padova, 2019.

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51. M. Pasetto, E. Pasquini, G. Giacomello, F. Moreno-Navarro, R. Tauste-Martinez, A. Cannone Falchetto, M. Vaillancourt, A. Carter, N. Viscione, F. Russo, M. Skaf, M. Oreskovic, A. C. Freire, P. Mikhailenko, L. Poulikakos, “*An interlaboratory test program on the extensive use of waste aggregates in asphalt mixtures: preliminary steps*”, RILEM Bookseries, Vol. 27 – Proceedings, RILEM International Symposium on Bituminous Materials – ISBM Lyon 2020, On-Line Conference (ZOOM), 2020.

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62. M. Pasetto, E. Pasquini, G. Giacomello, A. Baliello, “*Experimental study aimed at highlighting warnings for proper design, construction and control of geocomposite-reinforced asphalt pavements*”, Proceedings, 13th ISAP Conference on Asphalt Pavements ISAP2018, Fortaleza, Ceará, 2018.
63. M. Pasetto, G. Giacomello, A. Baliello, E. Pasquini, “*Performance Evaluation of Foamed Bitumen Bound Mixtures made with Recycled and Artificial Aggregates and Fibres*”, The International Journal of Pavement Engineering & Asphalt Technology, Vol. 20(1), 2019.
64. M. Pasetto, E. Pasquini, G. Giacomello, A. Baliello, “*Investigation of thermal behaviour of coloured asphalt pavements*”, Resilient road infrastructures: climatic changes and perspective of road infrastructures, ProceedingS, 17<sup>th</sup> SIIV International Summer School and 5<sup>th</sup> International SIIV Arena, 2019.
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66. L. Porot, M. Hugener, A. Cannone Falchetto, D. Wang, A. Kawakami, B. Hofko, A. Grilli, E. Pasquini, M. Pasetto, H. Tabatabaee, H. Zhai, M. Sá da Costa, H. Soenen, P. Kara De Maeijer, W. Van den Bergh, E. Bocci, F. Cardone, A. Carter, K. Vasconcelos, X. Carbonneau, A. Lorserie, G. Mladenovic, M. Orešković, T. Koudelka, R. Zhang, E. Dave, G. Tebaldi, “*Aging of rejuvenated RAP binder – a RILEM inter-laboratory study*”, Accepted for publication to 7<sup>th</sup> Eurasphalt & Eurobitume Congress, Madrid, 2021.

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67. F. A. Santagata, E. Pasquini, M. Bocci, F. Canestrari, “*Valutazione sperimentale dell’efficacia disinquinante di pavimentazioni fotocatalitiche*” (Experimental evaluation of de-pollution efficiency of photocatalytic pavements), Le Strade, vol. 1441, 2008 (In Italian). (SIIV Scientific Research Awards)
68. M. Bocci, F. Canestrari, G. Ferrotti, E. Pasquini, “*Pavimentazioni Rinforzate. Il Progetto Pilota nella Provincia Autonoma di Bolzano*” (Reinforced pavements. Trial section in the Province of Bolzano), Strade & Autostrade, n. 84, 2010 (In Italian).



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73. M. Pasetto, E. Pasquini, G. Giacomello, A. Baliello, “*Materiali marginali nelle miscele stradali. L'utilizzo della scoria “bianca” nei conglomerati bituminosi*” (Marginal materials in road mixtures. The use of “white” slag in asphalt mixtures), *Strade & Autostrade*, n. 130, 2018 (In Italian).
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75. A. Annunziata, E. Pasquini, et al. “*Il patrimonio infrastrutturale esistente. Metodi e strategie per la gestione*” (Existing Infrastructures Heritage. Management Methods and Strategies), FrancoAngeli, 2018. ISBN: 978-88-917-7945-8 (In Italian)

## CITATION METRICS

<b>SCOPUS DATABASE</b>		
Publications	Citations	H-Index
<b>42</b>	<b>528</b>	<b>14</b>
<b>WEB OF SCIENCE DATABASE</b>		
Publications	Citations	H-Index
<b>33</b>	<b>384</b>	<b>11</b>

## RESEARCHER WEB PROFILES

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ResearchGate [http://www.researchgate.net/profile/Emiliano\\_Pasquini](http://www.researchgate.net/profile/Emiliano_Pasquini)  
Publons <https://publons.com/researcher/1468921/emiliano-pasquini/>  
GoogleScholar <https://scholar.google.it/citations?user=RUu37lcAAAAJ&hl=it>  
Linkedin <https://it.linkedin.com/pub/emiliano-pasquini/93/200/380>

## LANGUAGES

Italian (mother tongue)  
English (good level)  
French (intermediate level)

Padova (PD), Italy, 22 April 2021

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