

**Starting in 2001, Dr. Sangiorgi published the following scientific products:**

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**PM / PF Mechanical and leaching characterisation of impact-absorbing rubberised asphalts for urban pavements**

Makoundou, C., Fathollahi, A., Kleiven, S., Coupe, S.J., Sangiorgi, C.

Materials and Structures/Materiaux et Constructions, 2023, 56(3), 55

<https://link.springer.com/article/10.1617/s11527-022-02078-5>

**S Life Cycle Assessment of Innovative Asphalt Mixtures Made with Crumb Rubber for Impact-Absorbing Pavements**

Siverio Lima, M.S., Makoundou, C., Sangiorgi, C., Gschösser, F.

Sustainability (Switzerland), 2022, 14(22), 14798

<https://www.mdpi.com/2071-1050/14/22/14798>

**S Leaching of PAHs from rubber modified asphalt pavements**

Fathollahi, A., Makoundou, C., Coupe, S.J., Sangiorgi, C.

Science of the Total Environment, 2022, 826, 153983

<https://reader.elsevier.com/reader/sd/pii/S0048969722010750?token=7CA698088C77BC417E8A9FD9D2BA6A0C11216AED0D9482A975F07C59C7F0BA1154FCFE3260D1318A091E0402022E6A8A&originRegion=eu-west-1&originCreation=20230429113436>

**PM / S Influence of Freeze–Thaw Cycles on the Mechanical Properties of Highly Rubberised Asphalt Mixtures Made with Warm and Cold Asphalt Binders**

Makoundou, C., Sangiorgi, C.

Materials, 2022, 15(7), 2701

<https://www.mdpi.com/1996-1944/15/7/2701>

**S A rubberized impact absorbing pavement can reduce the head injury risk in vulnerable road users: A bicycle and a pedestrian accident case study**

Sahandifar, P., Makoundou, C., Fahlstedt, M., ...Wallqvist, V., Kleiven, S.

Traffic Injury Prevention, 2022, 23(5), pp. 315–320

<https://www.tandfonline.com/doi/full/10.1080/15389588.2022.2067990>

**S Development of functional rubber-based impact-absorbing pavements for cyclist and pedestrian injury reduction**

Makoundou, C., Sangiorgi, C., Johansson, K., Wallqvist, V.

Sustainability (Switzerland), 2021, 13(20), 11283

<https://www.mdpi.com/2071-1050/13/20/11283>

**PM / S Functionalization of crumb rubber surface for the incorporation into asphalt layers of reduced stiffness: An overview of existing treatment approaches**

Makoundou, C., Johansson, K., Wallqvist, V., Sangiorgi, C.

Recycling, 2021, 6(1), pp. 1–22, 19

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**PM Chemical, thermophysical, rheological, and microscopic characterisation of rubber modified asphalt binder exposed to UV radiation**

Zadshir, M., Ploger, D., Yu, X., Sangiorgi, C., Yin, H.

Road Materials and Pavement Design, 2020, 21(S1), pp. S123–S139

<https://par.nsf.gov/servlets/purl/10174149>

**PM / PF Multi-scale rheo-mechanical study of SMA mixtures containing fine crumb rubber in a new dry-hybrid technology**

Mazzotta, F., Tataranni, P., Simone, A., ...Airey, G., Sangiorgi, C.

Applied Sciences (Switzerland), 2020, 10(11), 3887

[https://www.researchgate.net/publication/341901246\\_Multi-Scale\\_Rheo-Mechanical\\_Study\\_of\\_SMA\\_Mixtures\\_Containing\\_Fine\\_Crumb\\_Rubber\\_in\\_a\\_New\\_Dry-Hybrid\\_Technology](https://www.researchgate.net/publication/341901246_Multi-Scale_Rheo-Mechanical_Study_of_SMA_Mixtures_Containing_Fine_Crumb_Rubber_in_a_New_Dry-Hybrid_Technology)

**Fundamental properties of bitumen binders containing novel cellulose-based poly-functional fibres**

Eskandarsefat, S., Hofko, B., Rossi, C.O., Sangiorgi, C.

Composites Part B: Engineering, 2019, 163, pp. 339–350

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PRESTAZIONI MECCANICHE = 88

PRESTAZIONI FUNZIONALI E ACUSTICHE = 25

SOSTENIBILITA' = 53