

Agenda Transform – Projeto P2.7. Lista de publicações a 2025/09/30

1 Artigos em revista

RI 08	Rodrigues, D., Martins, C., Carlos, D., Preiswerk, S., Montez, P., Macedo, J., & Pinho-Lopes, M. (2025). Greener unpaved forest roads: costs and emissions analysis of solutions with an industrial byproduct and a geosynthetic. <i>Revue Française de Géotechnique</i> , (184), 2. https://doi.org/10.1051/geotech/2025014
RI 07	Carlos, D.M., Martins, C., Rodrigues, D., Macedo, J., & Pinho-Lopes, M. (2024). Assessing the Potential for Valorisation of a Pulp and Paper Industry Byproduct for the Construction of Unpaved Forest Roads: A Geotechnical Perspective. <i>Sustainability</i> , 16(13), 5332. https://doi.org/10.3390/su16135332
RI 06	Rodrigues, D.; Pinho-Lopes, M.; Macedo, J. Classification Systems Applied to Forest Road Planning: Research Gap Analysis. <i>Forests</i> 2024, 15, 968. https://doi.org/10.3390/f15060968
RI 05	Martins, C., Macedo, J. & Pinho-Lopes, M. Geocells for Unpaved Roads: Analysis of Design Methods from the Literature. <i>Int. J. of Geosynth. and Ground Eng.</i> 10, 57 (2024). https://doi.org/10.1007/s40891-024-00552-4
RI 04	Carlos, D.M., Pinho-Lopes, M. & Lopes, M.L. (2024). Evaluation of Penetration Resistance of Soils Reinforced with Geosynthetics Using CBR Tests. <i>International Journal of Geosynthetics and Ground Engineering</i> , 10(22). https://doi.org/10.1007/s40891-024-00524-8
RI 03	Carlos, D.M., Rodrigues, D., Martins, C., Macedo, J., & Pinho-Lopes, M. (2024). Potential Application of Natural Fibres for the Reinforcement of Unpaved Forest Roads—Response after RL-CBR Tests. <i>Applied Sciences</i> , 14(3), 1006. https://doi.org/10.3390/app14031006
RI 02	Lombardi, G., Pinho-Lopes, M., Paula, A. M., & Pereira, A. B. (2023). A Constitutive Model for Describing the Tensile Response of Woven Polyethylene Terephthalate Geogrids after Damage. <i>Materials</i> , 16(15), 5384. https://doi.org/10.3390/ma16155384
RI 01	Anjos, R., Carlos, D.M., Gouveia, S., Pinho-Lopes, M., & Powrie, W. (2023). Soil-Geosynthetic Interaction Under Triaxial Conditions: Shear Strength Increase and Influence of the Specimen Dimensions. <i>International Journal of Geosynthetics and Ground Engineering</i> . 9, 83. https://doi.org/10.1007/s40891-023-00502-6

2 Artigos em conferência

2.1 Internacionais

CI08	Carlos, D., Cafôfo, O., Macedo, J., & Pinho-Lopes, M. (2025). Design of unpaved forest roads-stress-strain response of a reinforced soil under triaxial conditions. In <i>E3S Web of Conferences</i> (Vol. 644, p. 02004). EDP Sciences. https://doi.org/10.1051/e3sconf/202564402004
CIO7	Martins, C., Rodrigues, D., Carlos, D., Morais, S., Macedo, J., & Pinho-Lopes, M. (2025). Fibre reinforcement of a uniform sand: Stress-penetration and stress-strain responses. In <i>E3S Web of Conferences</i> (Vol. 644, p. 02009). EDP Sciences. https://doi.org/10.1051/e3sconf/202564402009
CI06	Paula, A.M., Carneiro, J.R, Pinho-Lopes, M. (2025). Simple constitutive methods to represent the tensile response of a laboratory-aged nonwoven

	geotextile. In <i>E3S Web of Conferences</i> (Vol. 644, p. 01005). EDP Sciences. https://doi.org/10.1051/e3sconf/202564401005
CI05	Carlos, D.M., Macedo, J., Pinho-Lopes, M. (2025). Natural Reinforcement of a Fine Soil for Unpaved Forest Roads—Cyclic CBR Tests. In: Rujikiatkamjorn, C., Xue, J., Indraratna, B. (eds) <i>Proceedings of the 5th International Conference on Transportation Geotechnics (ICTG) 2024, Volume 7. ICTG 2024. Lecture Notes in Civil Engineering</i> , vol 408. Springer, Singapore. https://doi.org/10.1007/978-981-97-8237-6_16
CI04	Martins, C., Rodrigues, D., Carlos, D.M., Macedo, J., Pinho-Lopes, M. (2025). Characterization of Fluidized Bed Sands from the Forest Value Chain for Use on Unpaved Roads. In: Rujikiatkamjorn, C., Xue, J., Indraratna, B. (eds) <i>Proceedings of the 5th International Conference on Transportation Geotechnics (ICTG) 2024, Volume 5. ICTG 2024. Lecture Notes in Civil Engineering</i> , vol 406. Springer, Singapore. https://doi.org/10.1007/978-981-97-8229-1_21
CI03	Carlos, D. M., Macedo, J., & Pinho-Lopes, M. (2024). Load-penetration response of a site-won soil reinforced with natural fibres. Application for unpaved roads. In <i>Geotechnical Engineering Challenges to Meet Current and Emerging Needs of Society</i> (pp. 2152-2157). CRC Press. DOI: 10.1201/9781003431749-407
CI 02	Carlos, D. M., Pinho-Lopes, M., & Macedo, J. (2023). Reinforcement of local soils for unpaved forest roads: CBR and triaxial tests and estimate of properties. In <i>Geosynthetics: Leading the Way to a Resilient Planet</i> (pp. 1247-1253). CRC Press. DOI: 10.1201/9781003386889-158
CI 01	Lombardi, G., Pinho-Lopes, M., Paula, A. M., & Bastos, A. (2023). Hyperbolic models to represent the effect of mechanical damage and abrasion on the short-term tensile response of a geocomposite. In <i>Geosynthetics: Leading the Way to a Resilient Planet</i> (pp. 2133-2139). CRC Press. DOI: 10.1201/9781003386889-287

2.2 Nacionais

CN 01	Lombardi, G., Pinho-Lopes, M., Bastos, A. Paula, A. M. (2023). Equação constitutiva não linear para representar o efeito da danificação mecânica no comportamento em tração de um geotêxtil não tecido. 18º Congresso Nacional de Geotecnia – Évora 14 a 17 de maio de 2023. p.1297-1306 https://spgeotecnia.pt/CPMT_Base_Artigos/equacao-constitutiva-nao-linear-para-representar-o-efeito-da-danificacao-mecanica-no-comportamento-em-tracao-de-um-geotextil-nao-tecido/
-------	--