

PRESS RELEASE



University of Natural Resources and
Life Sciences, Vienna, Austria

DIGITAL TRANSFORMATION IN SUSTAINABILITY



EUROSTRUCT 2023 **2nd Conference of the European** **Association on Quality Control and** **Structures**

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Editors:
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Research Spotlight: Hybrid Protective Coating for Construction Steel Bars

POLYCHIMIKI G. MATZIARIS S.A. - UZIN Hellas in collaboration with the Laboratory of Building Materials of the School of Civil Engineering of the Aristotle University of Thessaloniki within the framework of the Recovery Plan for Europe through the Action "Investment Projects of Innovation" of the Central Macedonia Program NSRF 2021 - 2027 (KMP6-02817) designed series of sustainable hybrid nanostructured coatings for the anticorrosive protection of structural steel.



At the 2nd EUROSTRUCT Conference of the European Association on Quality Control of Bridges and Structures held in Vienna from September 25–29, 2023 under the scientific supervision of BOKU University, Dr. Katia Matziaris presented part of the above-mentioned collaborative research project titled “Hybrid Protective Coating for Construction Steel Bars”, co-authored with Evangelia Tsampali, Eirini-Chrysanthi Tsardaka, and Professor Maria Stefanidou.



The presentation, delivered on September 27, introduced a novel hybrid coating system designed to enhance the corrosion resistance and durability of steel reinforcement in concrete structures. This innovative approach combines hybrid chemistry to improve adhesion and long-term performance under harsh environmental conditions.



The research aligns with EUROSTRUCT 2023's central theme of Digital Transformation in Sustainability, contributing to the advancement of resilient and eco-conscious infrastructure across Europe.