

CERTIFICATE

We certify that **Ana Navarro** delivered the talk entitled “**Randomized Three-State Model of Photosynthesis: Linking Light-Dark Cycles and Microalgal Productivity in Photobioreactors**”, authored by **C. Andreu-Vilarroig, J.-C. Cortés, Ana Navarro, Š. Papáček and C.-L. Pérez** at the **Workshop on Stochastic Modeling and Uncertainty Quantification - SM&UQ 2025**, held at the School of Applied Mathematics, Getulio Vargas Foundation - FGV EMap, Rio de Janeiro, Brazil, from September 18 to 19, 2025.



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