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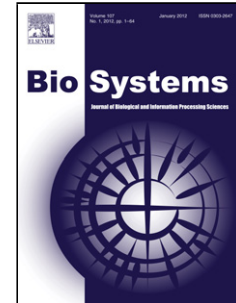
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# THE EVOLUTION OF THE GLYCOMIC CODES OF EXTRACELLULAR MATRICES

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## Abstract

The extracellular matrices (ECMs) of living organisms are compartments responsible for maintenance of cell shape, cell adhesion, and cell communication. They are also involved in cell signaling and defense against the attack of pathogens. The plant cell walls have been recently defined as encoded structures that combine polysaccharides with other encoded structures (proteins and phenolic compounds). The term Glycomic Code has been used to define the set of mechanisms that generate cell wall architecture (the combination of polymers of different types) and biological function. Here, the composition of the extracellular matrices of archaea, bacteria, animals, fungi, algae, and plants was compared to understand how the Glycomic Code of these different organisms

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