

# Environmental Science: Atmospheres



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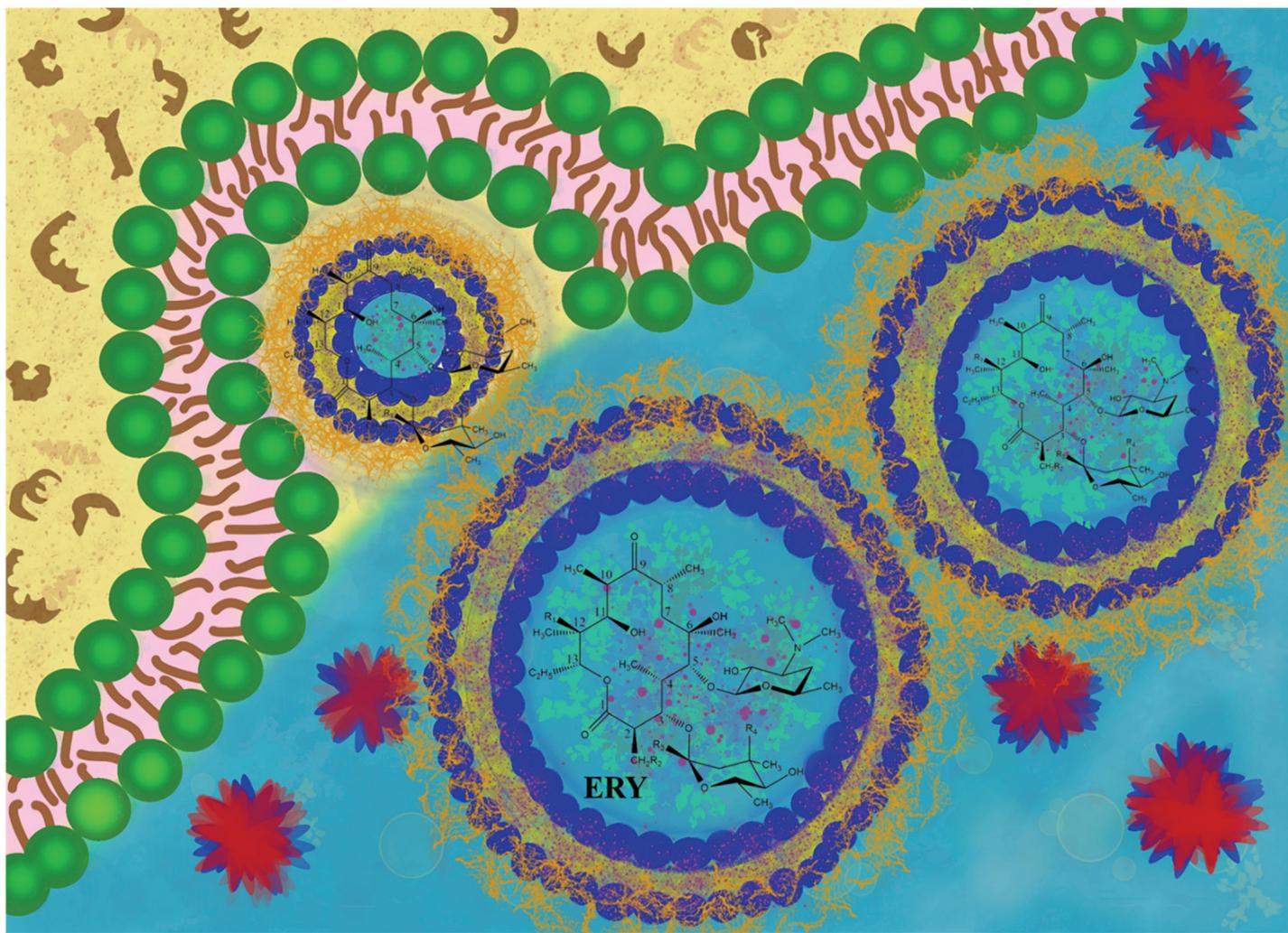
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Fundamental questions  
Elemental answers



Registered charity number: 207890



Highlighting research results from EcoDesign group from  
Petru Poni Institute of Macromolecular Chemistry of  
Romanian Academy, Iasi, Romania

Multifunctional erythromycin-loaded liposomes: a  
methodological optimization for enhanced mucoadhesion,  
antioxidant activity, and biocompatibility

Marin and co-workers succeeded to develop and optimize erythromycin-loaded liposomes coated with chitosan oligomers, showcasing superior antibacterial efficacy, high mucoadhesive properties supporting targeted delivery to mucosal sites, antioxidant activity aiding in the reduction of oxidative stress, excellent cytocompatibility supporting their use *in vivo*, and good stability which favours their storage at room temperature.

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Luminita Marin from *Biomater. Sci.*, 2026, **14**, 140.

### As featured in:



See Luminita Marin *et al.*,  
*Biomater. Sci.*, 2026, **14**, 140.