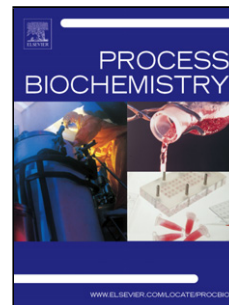


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Title: Protection of living yeast cells by micro-organized shells of natural polyelectrolytes

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Highlights:

- Natural polyelectrolytes were used to encapsulate the yeast cells using LbL method.
- Structure of thin layers was investigated by electron microscopy.
- Electrostatic interactions of the system were characterized by infrared spectroscopy.
- Encapsulated yeast cells preserved their viability and functionality.
- Enhanced viability of yeast subjected to combined freezing and oxidative treatment.

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