عنوان فارسی مقاله:
اصول و روش‌های ایجاد پوشش‌های ریز از میکروارگانیزم‌های پروپیوتیک

عنوان انگلیسی مقاله:
Principles and methods of microencapsulation of probiotic microorganisms

توجه!
این فایل تنها قسمتی از ترجمه می‌باشد. برای تهیه مقاله ترجمه شده کامل با فرمت ورد (قابل ویرایش) همراه با نسخه انگلیسی مقاله، اینجا کلیک کنید.
CONCLUSIONS

In the present article, principles and methods of probiotics microencapsulation were reviewed. Importance and variety of probiotics and food probiotic products on the one hand, and successes achieved by applying the microencapsulation process for the purpose of maintaining of probiotic cells viability on the other hand, have necessitated extensive research in the probiotic microencapsulation field. However, general industrial application of the microencapsulation process in the case of probiotics seems still far from achieved, because many of the details are under the question. Future research could be concentrated on the aspects such as applying more efficient encapsulation materials or improving the common used ones; consideration of probiotic microencapsulation in the products which have not still been investigated or a few evidences are present about them; approval or rejection of the previous research results; studying correlations between process factors and microencapsulation effectiveness in different products; developments and new achievements in microencapsulation technology relevant to each industry and product, optimization of the process factors in order to reach the highest viability and the most satisfactory sensory properties of the products along with the lowest cost and improving or inventing new methods relevant to evaluation of microencapsulation efficiency, particularly under in vivo conditions.