Accepted Manuscript

Title: Droplet Coalescence as a Potential Marker for

Physicochemical Fate of Nanoemulsions during in-vitro small

intestine digestion

Authors: P. Karthik, Padma Ishwarya S., C.

Anandharamakrishnan

PII: S0927-7757(18)30442-4

DOI: https://doi.org/10.1016/j.colsurfa.2018.05.066

Reference: COLSUA 22534

To appear in: Colloids and Surfaces A: Physicochem. Eng. Aspects

Received date: 25-1-2018 Revised date: 14-5-2018 Accepted date: 22-5-2018

Please cite this article as: Karthik P, S. PI, Anandharamakrishnan C, Droplet Coalescence as a Potential Marker for Physicochemical Fate of Nanoemulsions during *in-vitro* small intestine digestion, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* (2018), https://doi.org/10.1016/j.colsurfa.2018.05.066

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

Droplet Coalescence as a Potential Marker for Physicochemical Fate of Nanoemulsions during *in-vitro* small intestine digestion

P. Karthik^{1, 2}, Padma Ishwarya, S. ^{1, 2}, C. Anandharamakrishnan^{1, 2, 3*}

¹Centre for Food Nanotechnology, Department of Food Engineering, CSIR – Central Food Technological Research Institute, Mysore, India.

²AcSIR – Academy of Scientific & Innovative Research, CSIR – CFTRI Campus, Mysore, India.

³Indian Institute of Food Processing Technology, Thanjavur, India.

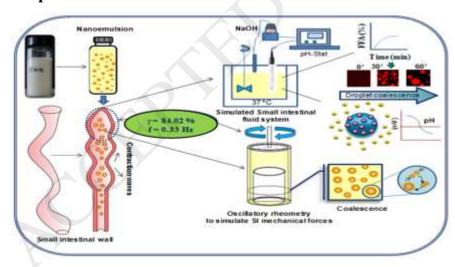
* Correspondence: C. Anandharamakrishnan

Ph: +91-4362 228155;

Fax: +91-4362 227971

*E-mail: c.anandharamakrishnan@gmail.com

Graphical abstract



Abstract

Intestinal droplet coalescence is central to the lipid digestibility of oil-in-water nanoemulsions. In the present study, a methodology has been proposed to investigate the rheological

Download English Version:

https://daneshyari.com/en/article/6977319

Download Persian Version:

https://daneshyari.com/article/6977319

<u>Daneshyari.com</u>