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Preparation of SF (O/W) NE (surfactant free oil in water nano emulsion)

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The use of natural ingredients in functional skin care products is on the rise. Women and men alike prefer products made of natural ingredients. Due to increasing interest in skin and health care across the globe, consumers prefer high-end products and such demands have pushed cosmetics companies to rigorously research for environmentally friendly ingredients and functional oils. With the rising interest in oils used in skin care products, there is also a rise in interest and concern over surfactants and emulsifiers used in oil emulsion. The safety of surfactants has long been an issue; hence recent reports and clinical results have intensified the concerns of many consumers. This research presents a newly developed focused ultrasonic dispersion technology to separate oil from water without the use of surfactants and emulsifiers, thus introducing the production of SF(O/W)NE (Surfactant-free oil in water Nano-emulsion) using this new method.

Biography

Min Cheol Chu completed his Doctorate at Yokohama National University and worked as an Assistant Professor for seven years. He has joined the Korea Research Institute of Standards and Science (KRISS) in 2002 and is currently working in the New Functional Materials Metrology Center focusing on the dispersion of nanoparticles. He is also the Founder and CEO of GREENSOL Co., Ltd, a nanoparticles dispersion company.

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