

The 15th Seminar on Nano-Micro Chemical Measurements (GP-Chem Seminar)

Date & Time March 15th, 2023, 13:30-15:00

Room S247, IMRAM West #1 Bldg.

Title : Methylcellulose batter coating in frying process

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Abstract: Fried starchy products comprise physicochemical reactions, starch gelatinization, water vaporization, protein denaturation, and crust formation. Improper heat transfer in the frying process may ruin the fried food as converting a starchy product from raw to cook can contribute to acrylamide formation when overcooked and causes a high GI index due to crust formation. Therefore, a protective layer that consists of methylcellulose batter is proposed to overcome the issue.

Host: Masao Gen, IMRAM, Tohoku University

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主催: 東北大学多元物質科学研究所 ナノ・マイクロ計測化学研究分野

共催: GP-Chem

