

06. “Production of Fish Oil Concentrate Rich in Omega-3 Fatty Acids”

Duration: April 2016 – March 2019

Production of Fish Oil Concentrate Rich in Omega-3 Fatty Acids through pH sift method is promising process to concentrate n-3 PUFAs from fish oil and will have a huge potential for use in nutraceuticals especially in glyceride form as preferred by consumers.

- Oil extraction by non-heat process of pH-shifting resulted in higher quality of final product compared to heat-based extraction by minimizing decomposition of PUFAs. This extraction method aided in producing good quality oil and recovery of more than 9 % compared to heat based extraction, which proved to be a promising process to concentrate n-3 PUFAs from fish oil and will have a huge potential for use in nutraceuticals especially in glyceride form which is preferred by consumers.

