**Subject Area**

\* Please indicate the subject area of the manuscript:

□ Design (e.g. biomimicry, design for degradation/recycling/reduced toxicity…)

□ Reagents & Feedstocks (e.g. renewables, CO2, solvents, auxiliary agents, waste utilization…)

□ Synthesis (e.g. organic, inorganic, catalysis, synthetic biology…)

□ Process (e.g. process design, intensification, separations, recycling, efficiency…)

□ Energy (e.g. renewable energy, fuels, photovoltaics, fuel cells, energy storage, energy carriers…)

◙ Applications (pharmaceuticals and preservatives products, chemical extraction technique)

**Description:** (the aim of this work is presenting a simple technique of liquid-liquid extraction to extract methyl paraben in cosmetics and pharmaceutics. In addition, the sample preparation step was employed for the extraction of target analyte in cosmetics before LLE and thus reducing the matrix effect and using of Ethyl acetate which is the most suitable solvent that safer comparing to the available hazard solvents)

□ Impact (e.g. safety, metrics, LCA, sustainability, (eco)toxicology…)