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Dr. Ratna Surya Alwi is a senior research professor, National Research and Innovation Agency, Indonesia. She did her Masters' in environmental Science from Hasanuddin University, Indonesia and PhD in Materials Sciences from Kanazawa University, Japan. Her research interests are separation chemistry, process design, colour technologies [Supercritical Fluid Dyeing Process], photocatalysis, solubility modeling and simulation. She also has the expertise in high performance liquid chromatography (HPLC), biospectrofotometer, analysis of structure-property relationships. She established research facilities such as HPLC, biospectrofotometer, high performance computer at BRIN, Indonesia. She is the Life member of American Chemical Society of India, The Society of Separation Process Engineers, Japan & Society of Dyers and Colourists. She has published extensively and delivered many invited talks, contributing significantly to solubility modelling and separation chemistry research.