SEPARATION AND PURIFICATION TECHNOLOGY

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DESCRIPTION

Separation and Purification Technology is a journal dedicated to the dissemination of novel methods for separation and purification in chemical and environmental engineering for homogeneous solutions and heterogeneous mixtures. This includes any separation and/or purification of liquids, vapors and gases, with the exception of methods intended for analytical purposes. Soil science, polymer science and metallurgy are outside the scope of the journal. Separation and Purification Technology welcomes contributions focused on experimental studies and theoretical analyses of phenomena associated with and arising from separation and purification as well as process development and simulation, equipment design and fabrication. Preparation and modification of materials used in separation and/or purification operations can be considered if the intended separation and/or purification is an essential part of the work rather than a tool for characterization of a material. Such new materials should allow for separations that cannot be achieved with existing materials; alternative materials for e.g., adsorption are not sufficiently novel. Contributions should be always related to new or improved separation methods or principles; applications are welcome provided that they are not a direct implementation of known separation methods. Of particular interest are articles aimed at solving separation problems encountered in the emerging technologies including fields such as biotechnology, biobased feedstocks/products, green technology, energy storage and conversion, and resource recovery and recycling. Authors who wish to contribute a review paper should send an abstract and manuscript outline to one of the Editors prior to submission of the full paper. Review papers should be written by an author with proven expertise in the field, and provide a critical assessment of the state-of-the-art in a specific topic related to novel approaches in separation and purification.

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