

Summary

Mass transfer based on Fick's law of diffusion and convective methods has been covered in this module. Sherwood and Schmidt numbers have been introduced along with detailing of their significance. Membrane separation using electrodialysis, reverse osmosis and ultrafiltration techniques has been introduced. Finally, four major types of membrane devices used for reverse-osmosis and ultrafiltration systems viz., plate-and-frame, tubular, spiral-wound, and hollow-fiber has been covered.