

Rakesh Agrawal

B.S. - Chemical Engineering, Indian Institute of Technology at Kanpur

M.S. - Chemical Engineering, University of Delaware

Ph.D - Chemical Engineering, Massachusetts Institute of Technology

Professor Agrawal's current interest and passion is in energy production issues especially from renewable sources such as solar. He has a broad experience in hydrogen production and purification technologies. This has evolved from his earlier activity in developing integration steps within coal gasification combined cycles for power as well as syngas generation. His research interests also include basic and applied research in gas separations, process development, synthesis of distillation column configurations, adsorption and membrane separation processes, novel separation processes, gas liquefaction processes, cryogenics, and thermodynamics.

The major thrust of current research is in energy production issues, especially from renewable resources such as solar-based energy technologies, as well as hydrogen technologies. Interests also include basic and applied research in gas separations, process development, synthesis of distillation column configurations, adsorption and membrane separation processes, novel separation processes, gas liquefaction processes, cryogenics, thermodynamics.