

Vita

Pelin Hacarlioglu

The author, Pelin Hacarlioglu was born in Ankara, Turkey in 1977. She received her B.S. degree in Chemical Engineering at Middle East Technical University in Ankara, Turkey. After completion of her undergraduate studies in 1999, she started her graduate studies in Chemical Engineering Department at Middle East Technical University and obtained her M. S. degree in 2001. She continued her graduate studies in Chemical Engineering Department at Virginia Tech. This dissertation completes the requirements for her Ph. D. degree and she is expected to graduate from Virginia Tech in Fall 2007.