

M. R. Islam, M.H. Rashid, A.R. Al-Ali, & **M. Kassas**, "Microcontroller Based Unity Power Factor Converter", the Arabian **Journal** for Science and Engineering, October, 1999, pp249-260.

#### **ABSTRACT**

*Due to electronics devices used extensively in computers and other equipments, the power factor correction is needed in designing industrial power supplies. In response to this trend, a microcontroller-based pulse width modulated single phase ac to dc unity power factor converter has been designed, implemented, and tested.*