



## ***2011 IOTA SIGMA PI AWARD IN PROFESSIONAL EXCELLENCE***

### **Dr. Gillian Eggleston, Southern Regional Research Center**

Dr. Gillian Eggleston is the **2011 recipient of the Iota Sigma Pi Award in Professional Excellence**. This award is given for outstanding contribution to chemistry and allied fields by a woman.

Dr. Gillian Eggleston is a Lead Scientist and Research Chemist at the Southern Regional Research Center of the Agricultural Research Service of the United States Department of Agriculture in New Orleans. She was born and brought up in Blackburn, England and received a B.Sc. in Chemistry and Biochemistry from the University of Nottingham UK in 1984, and Ph.D. in Carbohydrate Chemistry from Cranfield Institute of Technology UK in 1989. Dr. Eggleston's research contributions have mostly been in the areas of industrial sugarcane and sugar beet deterioration, juice clarification processes, industrial enzyme applications, measurement of industrial sucrose losses, and effects of extraneous sugarcane matter on processing. Dr. Eggleston's research has had significant scientific and commercial impact in the U.S. and worldwide sugar industry. Dr. Eggleston has 213 publications, which include 67 refereed papers, 12 refereed book chapters, 46 symposia proceedings, technical bulletins, etc., and 88 abstracts. Her sustained research excellence is evidenced by the 16 national and international awards she has received since 1999, not only for her research but also her technology transfer efforts. These awards have included the USDA-ARS-MSA Early Career Scientist, four International awards, a USDA-ARS Superior Technology Transfer Award, and two 2007 FLC National Awards for Excellence in Technology in two different areas of research. She has received numerous invitations to speak at scientific conferences or to companies in Brazil, Morocco, U.S., U.K., France, and South Africa, and serve on expert panels. She is an active member of the American Chemical

Society (ACS) and has contributed to this organization by serving as an officer of the ACS Carbohydrate Chemistry Division (including Chair, Treasurer, and Chair of the strategic planning committee), organized four ACS symposia, and served as the senior editor of three symposia books. She has served as a reviewer for the International Society of Sugar Cane Technologists (ISSCT), and currently serves on the International Panel of Referees for the International Sugar Journal. She also serves as General Referee for Molasses for the International Commission for Uniform Methods in Sugar Analysis (ICUMSA).