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The organizers thank the Journal of Agricultural and Food Chemistry for assembling a Virtual Issue “Food Quality Traits for Sustaining Agriculture” made available on the Web version of the Journal March 1, 2011. The issue highlights new work published in the Journal in a period from 2009 to 2011 on a variety of emerging groups of health beneficial chemicals in foods.

This brochure designed by undergraduate design student Laura Ziegler, working in the office of UC Davis Food Science & Technology
Agriculture is beginning its transformation into an integrative system that simultaneously solves the problems of productivity, safety and sustainability to provide safe, affordable, nourishing foods for the world’s urbanized population.

How can agriculture nourish 9 billion people and also improve the environment? How can foods be simultaneously delicious, affordable and nourishing of each individual’s overall health?

Few institutions are capable of integrating across all the diverse elements of science, engineering, health and society to guide agriculture in its transformation. The University of California, Davis, in its size, scope and diversity, is such a unique institution. It is now addressing its mandate to lead agriculture in the 21st century.