



LEMELSON-MIT ILLINOIS STUDENT PRIZE

Zeba co-founded SilverScreen, Inc. with University of Illinois Professor, James Economy to develop and commercialize Milkshield. Milkshield is a platform technology that can revolutionize the dairy industry. Instead of using Ultra-high

Temperature processing which is very energy intensive, Milkshield can preserve milk against spoilage without refrigeration or use of excess energy. Milkshield is a low-cost preservation material that works through contact—it is a small insert that is simply immersed in milk to inhibit the activity of microorganisms. Milkshield is an affordable alternative for small subsistence farmers in developing countries that safeguards their daily bread. Milkshield has other applications too, worldwide. It will allow the dairy industry to cut refrigeration costs by transporting and storing milk at relatively higher temperatures. It also has the potential to extend the shelf-life of pasteurized milk.



2011 FINALIST

ZEBA PARKAR

GRADUATE MATERIALS SCIENCE & ENGINEERING