371 Introduction
Nutritional Science Research at Shanghai China
John W. Suttie

Reviews
372 Structural Bacterial Molecules as Potential Candidates for an Evolution of the Classical Concept of Probiotics
Michele Caselli, Giuseppina Vaira, Girolamo Calo, John Holton, and Dino Vaira

377 Nutritionally Mediated Programming of the Developing Immune System
Amanda C. Palmer

396 Dairy Components and Risk Factors for Cardiometabolic Syndrome: Recent Evidence and Opportunities for Future Research
Beth H. Rice, Christopher J. Cifelli, Matthew A. Pikosky and Gregory D. Miller

408 A Comprehensive Review of Apples and Apple Components and Their Relationship to Human Health
Dianne A. Hyson

421 Vitamin-Dependent Methionine Metabolism and Alcoholic Liver Disease
Charles H. Halsted and Valentina Medici

428 Research Advances at the Institute for Nutritional Sciences at Shanghai, China
Yan Chen, Xu Lin, Yong Liu, Dong Xie, Jing Fang, Yingying Le, Zunji Ke, Ying Qing Zhan, Feifan Guo, Fudi Wang, and Yi Liu

440 Nutrient Information
Vitamin K
John W. Suttie and Sarah L. Booth

442 Reports from the Agencies
Shelley McGuire