Contents

Editorial
Keeping education fresh
Beatrix Fahnert.................................................................fnx175

Biotechnology & Synthetic Biology
Carboxysomes: metabolic modules for CO₂ fixation
Aiko Turmo, C. Raul Gonzalez-Esquer and Cheryl A. Kerfeld..................................................fnx176

Autotrophic biorefinery: dawn of the gaseous carbon feedstock
Sai Kishore Butti and S. Venkata Mohan.................................................................fnx166

Environmental Microbiology
First description of a new uncultured epsilon sulfur bacterium colonizing marine mangrove sediment in the Caribbean: Thiouvulum sp. strain karukerense
Olivier Gros.......................................................................................fnx172

Pathogens & Pathogenicity
Quantification of Agrobacterium tumefaciens C58 attachment to Arabidopsis thaliana roots
Anna Petrovicheva, Jessica Joyner and Theodore R. Muth ...........................................fnx158

Comparative genomics of a drug-resistant Pseudomonas aeruginosa panel and the challenges of antimicrobial resistance prediction from genomes
J. Jeukens, I. Kukavica-Ibrulj, J. G. Emond-Rheault, L. Freschi and R. C. Levesque..................fnx161

Physiology & Biochemistry
Complete genome analysis of Lactobacillus fermentum SK152 from kimchi reveals genes associated with its antimicrobial activity
DongAhn Yoo, Bernadette B. Bagon, Valerie Diane V. Valeriano, Ju Kyoung Oh, Heebal Kim, Seoae Cho and Dae-Kyung Kang..............................................fnx185

Professional Development
On faculty development of STEM inclusive teaching practices
Bryan M. Dewsbury..........................................................fnx179

Interactive problem-solving sessions in an introductory bioscience course engaged students and gave them feedback, but did not increase their exam scores
James P. McEvoy........................................................................fnx182

Spotlight on... Jim Prosser
James I. Prosser........................................................................fnx183