CONTENTS

* Mechanics of Interfacial Bonding in Dissimilar Soft Transient Materials and Electronics . . . . . . . . . . . . . . . . . . . . . . . 2501
  Reihaneh Jamshidi, Yuanfen Chen,
  Kathryn White, Nicole Moehring,
  and Reza Montazami

Effects of Electrode Materials on Charge Conduction Mechanisms of Memory Device Based on Natural Aloe Vera . . . . . . 2513
  Zhe Xi Lim, Sasidharan Sreenivasan,
  Yew Hoong Wong, Feng Zhao,
  and Kuan Yew Cheong

Ag–Nylon Nanocomposites by Dynamic Emulsion Polycondensation . . 2519
  Linqi Zhang, Sriharsha Karumuri,
  and A. Kaan Kalkan

AuCu, AgCu and AuAg Bimetallic Nanoparticles: Synthesis,
Characterization and Water Remediation . . . . . . . . . . . . . . . . . 2525
  Judith Tanori, Diana Vargas-Hernández,
  Elisa Martínez-Barbosa, Raúl Borja-Urby,
  Arturo García-Bórquez, Jesús Arenas-Alatorre,
  and Amir Maldonado

A Model of Interfacial Permeability for Soft Seals in Marine-organism, Suction-based Adhesion . . . . . . . . . . . . . . . . . . . 2531
  Michael Beckert, Brooke E. Flammang,
  and Jason H. Nadler

Micro-cellulose Sponge from Waste Cotton as Controlled-release Polyphenol Carriers . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2545
  Chutimon Satirapipathkul and Pichet Dungsri

Structure and Properties in Synthetic MSUM and the Corresponding Biomaterial . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2551
  Alicia B. Brune, Gregory P. Holland,
  Jeffery L. Yarger, and William T. Petuskey

*Invited Paper
Synthesis and Characterization of Hydrotalcite Like Compound via a Facile Solid State Method .............................................. 2557
Abbas Fahami and Gary W. Beall

Bacterial Cellulose Produced by *Gluconacetobacter xylinus* Culture Using Complex Carbon Sources for Biomedical Applications ........................................ 2563
Mayra Elizabeth Garcia-Sanchez, Ines Jimenez Palomar, Yolanda Gonzalez-Garcia, and Jorge R. Robledo-Ortiz

3D Printing of Gels with Living Photosynthetic Algae ........................................ 2569
Paul Calvert