

# Contents

About the Special Issue Editors	vii
<b>Alexandra Muñoz-Bonilla, Coro Echeverría, Águeda Sonseca, Marina P. Arrieta and Marta Fernández-García</b> Polymeric Materials: Surfaces, Interfaces and Bioapplications Reprinted from: <i>Materials</i> 2019, 12, 1312, doi:10.3390/ma12081312	1
<b>Alexandra Muñoz-Bonilla, Coro Echeverría, Águeda Sonseca, Marina P. Arrieta and Marta Fernández-García</b> Bio-Based Polymers with Antimicrobial Properties towards Sustainable Development Reprinted from: <i>Materials</i> 2019, 12, 641, doi:10.3390/ma12040641	5
<b>María Dolores Samper, David Bertomeu, Marina Patricia Arrieta, José Miguel Ferri and Juan López-Martínez</b> Interference of Biodegradable Plastics in the Polypropylene Recycling Process Reprinted from: <i>Materials</i> 2018, 11, 1886, doi:10.3390/ma11101886	57
<b>Francesca Luzi, Luigi Torre, José Maria Kenny and Debora Puglia</b> Bio- and Fossil-Based Polymeric Blends and Nanocomposites for Packaging: Structure–Property Relationship Reprinted from: <i>Materials</i> 2019, 12, 471, doi:10.3390/ma12030471	75
<b>Marta Szekalska, Katarzyna Sosnowska, Anna Czajkowska-Kośnik and Katarzyna Winnicka</b> Calcium Chloride Modified Alginate Microparticles Formulated by the Spray Drying Process: A Strategy to Prolong the Release of Freely Soluble Drugs Reprinted from: <i>Materials</i> 2018, 11, 1522, doi:10.3390/ma11091522	124
<b>Ji-Dong Xu, Ya-Shuai Niu, Pan-Pan Yue, Ya-Jie Hu, Jing Bian, Ming-Fei Li, Feng Peng and Run-Cang Sun</b> Composite Film Based on Pulping Industry Waste and Chitosan for Food Packaging Reprinted from: <i>Materials</i> 2018, 11, 2264, doi:10.3390/ma11112264	138
<b>Yunhai Ma, Siyang Wu, Jian Zhuang, Jin Tong, Yang Xiao and Hongyan Qi</b> The Evaluation of Physio-Mechanical and Tribological Characterization of Friction Composites Reinforced by Waste Corn Stalk Reprinted from: <i>Materials</i> 2018, 11, 901, doi:10.3390/ma11060901	149
<b>Iolanda Francolini, Elena Perugini, Ilaria Silvestro, Mariangela Lopreiato, Anna Scotto d’Abusco, Federica Valentini, Ernesto Placidi, Fabrizio Arciprete, Andrea Martinelli and Antonella Piozzi</b> Graphene Oxide Oxygen Content Affects Physical and Biological Properties of Scaffolds Based on Chitosan/Graphene Oxide Conjugates Reprinted from: <i>Materials</i> 2019, 12, 1142, doi:10.3390/ma12071142	163
<b>Brody A. Frost, Sandra Camarero-Espinosa and E. Johan Foster</b> Materials for the Spine: Anatomy, Problems, and Solutions Reprinted from: <i>Materials</i> 2019, 12, 253, doi:10.3390/ma12020253	180

<b>Ke Zhang, Bashayer Baras, Christopher D. Lynch, Michael D. Weir, Mary Anne S. Melo, Yuncong Li, Mark A. Reynolds, Yuxing Bai, Lin Wang, Suping Wang and Hockin H. K. Xu</b> Developing a New Generation of Therapeutic Dental Polymers to Inhibit Oral Biofilms and Protect Teeth Reprinted from: <i>Materials</i> <b>2018</b> , <i>11</i> , 1747, doi:10.3390/ma11091747 . . . . .	221
<b>Monika Kurowska, Vania Tanda Widayaya, Ali Al-Ahmad and Karen Lienkamp</b> Surface-Attached Poly(oxanorbornene) Hydrogels with Antimicrobial and Protein-Repellent Moieties: The Quest for Simultaneous Dual Activity Reprinted from: <i>Materials</i> <b>2018</b> , <i>11</i> , 1411, doi:10.3390/ma11081411 . . . . .	238
<b>Yubin Ji, Yuan Sun, Yanhe Lang, Lei Wang, Bing Liu and Zhizhou Zhang</b> Effect of CNT/PDMS Nanocomposites on the Dynamics of Pioneer Bacterial Communities in the Natural Biofilms of Seawater Reprinted from: <i>Materials</i> <b>2018</b> , <i>11</i> , 902, doi:10.3390/ma11060902 . . . . .	253
<b>Humberto Palza, Paula Andrea Zapata and Carolina Angulo-Pineda</b> Electroactive Smart Polymers for Biomedical Applications Reprinted from: <i>Materials</i> <b>2019</b> , <i>12</i> , 277, doi:10.3390/ma12020277 . . . . .	265
<b>Alexandra Muñoz-Bonilla, Rocío Cuervo-Rodríguez, Fátima López-Fabal, José L. Gómez-Garcés and Marta Fernández-García</b> Antimicrobial Porous Surfaces Prepared by Breath Figures Approach Reprinted from: <i>Materials</i> <b>2018</b> , <i>11</i> , 1266, doi:10.3390/ma11081266 . . . . .	289
<b>Leire Ruiz-Rubio, Leyre Pérez-Álvarez, Julia Sanchez-Bodón, Valeria Arrighi and José Luis Vilas-Vilela</b> The Effect of the Isomeric Chlorine Substitutions on the Honeycomb-Patterned Films of Poly( <i>x</i> -chlorostyrene)s/Polystyrene Blends and Copolymers via Static Breath Figure Technique Reprinted from: <i>Materials</i> <b>2019</b> , <i>12</i> , 167, doi:10.3390/ma12010167 . . . . .	299
<b>Cristian Lavieja, Luis Oriol and José-Ignacio Peña</b> Creation of Superhydrophobic and Superhydrophilic Surfaces on ABS Employing a Nanosecond Laser Reprinted from: <i>Materials</i> <b>2018</b> , <i>11</i> , 2547, doi:10.3390/ma11122547 . . . . .	312
<b>Hongye Li, Bin Sheng, He Wu, Yuanshen Huang, Dawei Zhang and Songlin Zhuang</b> Ring Wrinkle Patterns with Continuously Changing Wavelength Produced Using a Controlled-Gradient Light Field Reprinted from: <i>Materials</i> <b>2018</b> , <i>11</i> , 1571, doi:10.3390/ma11091571 . . . . .	323