

## **Table of Contents**

<b>3D Printing in the Water Treatment Industry</b> J.W. Koo, J.S. Ho, J. An, Y. Zhang, C.K. Chua and T.H. Chong	1
<b>Design and Simulation of 3D-Printed Wastewater Filter Column Rototypes with Various Flow Configurations</b> J.B.L. Padaca III, A.M. Buison, J.F. Madrid, M.A.B. Faustino, L.O.B. Coronado, L.I.M. Ballesteros, P.J.E. Cabalar, J.A.A. Luna, J.A.V. Garcia and F.P. Liza	7
<b>Finite Element Analysis and Material Selection of 3D-Printed External Metacarpal Fixator Clamp</b> L.O.B. Coronado, U. Ante, J.R. Biscocho, C.E. Garcia, J.A.V. Garcia, A.M. Buison, F.P. Liza, D.D. Florante, J.B.L. Padaca III, E.R. Magdaluyo Jr., N. Orillaza Jr. and E. Estrella	15
<b>Understanding the Effects of Infill Patterns and Fiber Loading on Mechanical Properties of 3D Printed Tobacco Stalks-PLA Composites Using X-Ray Tomography</b> M.A.R. Agbayani, C.S. Emolaga, A.J. Tabuso and M.A. Paglicawan	21
<b>Void Content Measurement of the 3D Printed PEEK Materials by X-Ray Micro Computed Tomography</b> C.S. Emolaga, P.A.N. De Yro, S.A.C. Arañez, J.P. Reyes, B.A. Visaya, B.A. Basilia, A.M. Monsada and R.C. Advincula	29