

目 次

叢說

Paper Sludge as a Prospective Feedstock for Furan Production: A Review of Sludge Characteristics and Pure-Sugar Dehydration	5
Hyeonji Park, Sunkyu Park	

研究論文

Optimization of Hydrogen Peroxide Bleaching for Translucent Bamboo (<i>Gigantochloa robusta</i>) Using Response Surface Methodology	18
Niki Prastomo, Lili Melani, Cipta Hadi, Salsa Alyaa Koirunisa Suhandi, Aghitsni Tedian Aghnienenda	
Effect of Water Quality and p-DADMAC Pre-Addition on Flocculation Behavior and Dewatering Performance in a Microparticle Retention System	36
Seungmin Han, Yoon-hyuck Choi, Seokhyeon Yoon, Minjae Kim, Sunu Kwon, Jiyeon Oh, Wanhee Im	
Ca(OH) ₂ 복합 해섬화에 의한 나노셀룰로오스 제조 및 이를 통한 고별크 제지용 하이로딩 충전재 제조	47
황민규, 김찬구, 윤석환, 강채연, 서영범, 한정수	
탄산화 반응 기반 소수성 셀룰로오스 복합체 제조 및 PLA 바이오 복합소재로의 적용	62
윤석환, 황민규, 박지민, 남경빈, 서강렬, 한정수, 장양소철	
감귤박 기반 입상형 바이오차 제조 연구	76
이명호, 김소현, 조수인, 신종환, 성용주	
표면 코팅처리를 통한 신선식품용 펄프몰드 품질 강화 연구	87
신예진, 김소현, 이명호, 이윤노, 신종환, 성용주	
과채류 수출 포장에 위한 감귤박 섬유 및 기능성 코팅 적용을 통한 펄프몰드 포장재 품질개선 연구	100
김소현, 이명호, 신예진, 이윤노, 신종환, 성용주	

나노섬유 제조 공정 및 실란 개질에 따른 셀룰로오스 기반 이차전지 분리막의 특성 평가	110
김예진, 조재민, 양정훈, 구본욱	

學會記事

금호의 제지인: 대양그룹 권혁홍 회장·이경자 수석부회장	126
KTAPPI International Interview: CTP and KOREA	133
KTAPPI 인터뷰: 2026년 춘계학회 특별세션	139
KTAPPI 인터뷰: 신진연구자 연구실 탐방 — 강원대학교 펄프제지공학과 이단비 교수	148
학회 소식	149
회원 동정	151
펄프·종이기술 투고 규정 및 원고작성 요령	152
연구 및 출판 윤리 규정	162

CONTENTS

Review

- Paper Sludge as a Prospective Feedstock for Furan Production: A Review of Sludge Characteristics and Pure-Sugar Dehydration 5
Hyeonji Park, Sunkyu Park

Originals

- Optimization of Hydrogen Peroxide Bleaching for Translucent Bamboo (*Gigantochloa robusta*) Using Response Surface Methodology 18
Niki Prastomo, Lili Melani, Cipta Hadi, Salsa Alyaa Koirunisa Suhandi, Aghitsni Tedian Aghnienenda
- Effect of Water Quality and p-DADMAC Pre-Addition on Flocculation Behavior and Dewatering Performance in a Microparticle Retention System 36
Seungmin Han, Yoon-hyuck Choi, Seokhyeon Yoon, Minjae Kim, Sunu Kwon, Jiyeon Oh, Wanhee Im
- Development of High-Loading Filler for High Bulk Paper Using Nanocellulose Prepared by $\text{Ca}(\text{OH})_2$ Assisted Fibrillation 47
Mingyu Hwang, Changoo Kim, Seokhwan Yoon, Chaeyeon Kang, Yungbum Seo, Jungsoo Han
- Preparation of Hydrophobic Cellulose Composites via Carbonation and Their Application in PLA-Based Biocomposites 62
Seokhwan Yoon, Mingyu Hwang, Jimin Park, Kyeongbin Nam, Kangryeol Seo, Jungsoo Han, Yangxiaoze Jiang
- Preparation of Granular Biochar from Citrus Pomace 76
Myeong Ho Lee, So Hyun Kim, Su In Cho, Jong Hwan Shin, Yong Joo Sung
- Surface Coating Treatment for Quality Enhancement of Molded-Pulp Packaging for Fresh-Produce Storage 87
Yejin Shin, So Hyun Kim, Myeong Ho Lee, Yoon-No Lee, Jong Hwan Shin, Yong Joo Sung

Enhancing the Quality of Pulp-Mold Packaging for the Export of Horticultural Produce by Using Citrus Pomace Fibers and Functional Surface Coatings	100
So Hyun Kim, Myeong Ho Lee, Yejin Shin, Yoon-No Lee, Jong Hwan Shin, Yong Joo Sung	
Effects of Nanofiber Fabrication Methods and Silane Modification on the Performance of Cellulose-Based Lithium-Ion Battery Separators	110
Yejin Kim, Jaemin Jo, Junghoon Yang, Bonwook Koo	

Transactions

KTAPPI Person of the Issue: Kwon Hyuk-hong, Chairman, and Lee Kyung-ja, Senior Vice Chairperson of Daeyang Group	126
KTAPPI International Interview: CTP and KOREA	133
KTAPPI Interview: The Special Session at the 2026 Spring Conference	139
KTAPPI Interview: Sneak Peek into a New Research Lab. — Dr. Danbee Lee, Assistant Professor at Kangwon National University	148
Association News	149
Membership	151
Guidelines for Authors	152
Ethical Guidelines for Research and Publication	162