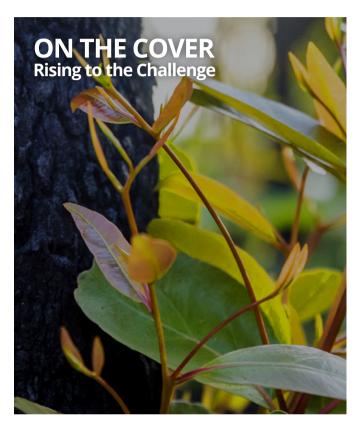
This Issue

Issue 1 / Jan - Mar 2020







REGULAR

- **01 From the Editor**Rising to the challenge
- 04 Across the desk

Government support, global expansion, wheeling and dealing

10 News roundup

News and developments from the pulp, paper, packaging and bioproduct industry

13 People: G. A. Nicholls

First New Zealander enters the Hall of Fame

48 Interview: Mr Sharad Kumar Nawalgaria (IVAX)Indian chemical company set to expand

INSIGHT

- 14 Australia's fires: impact felt long into the future
 - Tim Woods assesses the likely impact of bushfires on pulp and paper
- 18 Impact of the 2019/20 bushfire season on the forest industry

Kevin Peachey looks at how the bushfires have affected our industry

40 The science of breaking out of a comfort zone for Young Professionals

Maja Mesjer encourages young professionals to reinvent themselves

TECHNICAL

47 ISO/TC6 Standards Meeting

Standards meeting comes to Melbourne

52 Retention, drainage, formation

Ravi Joshi describes factors in a paper machine RDF program

55 Technical Paper: Valmet FS5 upgraded to UHD image quality

New opportunities for lab analysis of fibres, fines and fibrils

67 Technical Paper: NCG system and safety in modern large eucalyptus Kraft pulp mills

A comprehensive overview of Non-Condensible Gas issues in the eucalyptus Kraft mill

FEATURES

30 Challenges and opportunities for paper products in the plastic era

Professor Hak Lae Lee points to micro plastic issues

32 The role of bio energy in Australia

Bernadetter McCabe asks 'where to' for Australia's bioenergy industry?

36 Towards a circular economy: converting waste and biomass to energy products

Daniel Roberts shows how waste-to-energy supports a circular economy

44 Big Data

Graeme Harding discusses how big data can make big savings

PERSPECTIVE

20 Recycling and recovered paper challenges and opportunities in a circular economy

Anthony Wilkins argues why Australia will be at a competitive disadvantage if it doesn't embrace a zero waste model

26 Waste and resource recovery (#WARR) in Australia – where to from here?

Gayle Sloan shares her disappointment with a year of lost opportunity

