

1. Record Nr.	UNINA9910974138303321
Titolo	Composites technologies for 2020 : proceedings of the Fourth Asian-Australasian Conference on Composite Materials (ACCM-4) : University of Sydney, Australia, 6-9 July 2004 // edited by L. Ye, Y.-W. Mai and Z. Su
Pubbl/distr/stampa	Cambridge : , : Woodhead, , 2004
ISBN	1-280-37310-5 9781845690621 9786610373109 1-84569-062-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (1121 p.)
Altri autori (Persone)	MaiY. W. <1946-> SuZ (Zhongbo) YeL <1962-> (Lin)
Disciplina	620.118
Soggetti	Composite materials Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Composites Technologies for 2020; Copyright Page; Table of Contents; Preface; Conference Organisation; ACCM-4 Sponsors; Part I: Bio/Eco-Composites; Chapter 1. All-Plant Fiber Composites; ABSTRACT; INTRODUCTION; EXPERIMENTAL; RESULTS AND DISCUSSION; CONCLUSIONS; ACKNOWLEDGMENT; REFERENCES; Chapter 2. Compression Molding and Mechanical Properties of Composite Materials from Post Consumer Type Fiber Waste; ABSTRACT; INTRODUCTION; PRE-MOLDING OF FELT; COMPRESSION MOLDING METHOD AND MECHANICAL TESTS; RESULTS AND DISCUSSION; CONCLUSIONS Chapter 3. Various Lignocellulosics Fibre Reinforced Polyester Composites: The Study on Mechanical, Physical and Biological PropertiesABSTRACT; INTRODUCTION; EXPERIMENTAL; RESULTS AND DISCUSSION; CONCLUSIONS; ACKNOWLEDGMENTS; REFERENCES; Chapter 4. Development of Eco-Cement Containing High Volumes of

Waste Glass; ABSTRACT; INTRODUCTION; RESEARCH SIGNIFICANCE; EXPERIMENTAL PROGRAM; TEST RESULTS; CONCLUSIONS; ACKNOWLEDGEMENT; REFERENCES; Chapter 5. Screwless Extrusion of Natural Fibre-Reinforced Thermoplastic Composites; ABSTRACT; INTRODUCTION; MATERIALS; ELASTIC MELT EXTRUDER EXTRUSION OF COMPOSITES PRODUCTION OF COMPOSITE SPECIMENS; TESTING OF COMPOSITE SPECIMENS; SUMMARY; REFERENCES; Chapter 6. Mechanical Properties of "Green" Composites Made from Starch-Based Biodegradable Resin and Bamboo Powder; ABSTRACT; INTRODUCTION; EXPERIMENTAL METHODS; EXPERIMENTAL RESULTS AND DISCUSSIONS; CONCLUSIONS; REFERENCES; Part II: Characterisation; Chapter 7. Effect of Fibre-Orientation on Mechanical Properties of Polypropylene Composites; ABSTRACT; INTRODUCTION; EXPERIMENTAL; RESULT AND DISCUSSION; CREEP BEHAVIOUR; CONCLUSION; ACKNOWLEDGEMENTS; REFERENCES Chapter 8. Friction and Wear Properties of Potassium Titanate Whiskers Reinforced PTFE Composites ABSTRACT; INTRODUCTION; EXPERIMENTAL; RESULTS AND DISCUSSION; CONCLUSIONS; ACKNOWLEDGMENTS; REFERENCES; Chapter 9. Study on Jute Fiber Reinforced Polypropylene (PP) Composite; ABSTRACT; INTRODUCTION; EXPERIMENTAL; RESULTS AND DISCUSSIONS; CONCLUSIONS; REFERENCES; Chapter 10. Mechanical and Thermal Properties of Composites of Epoxy Resin Derived from Kraft Lignin Filled with Cellulose Particles; ABSTRACT; INTRODUCTION; EXPERIMENTAL; RESULTS AND DISCUSSION; CONCLUSIONS; REFERENCES Chapter 11. Effects of Microcracks and Surface Roughness on Thermal Oxidation of Carbon-Fiber Reinforced Polyimide Composite ABSTRACT; INTRODUCTION; THEORETICAL DEVELOPMENT; EXPERIMENTS; RESULTS AND DISCUSSIONS; CONCLUSIONS; REFERENCES; Chapter 12. Effects of Fillers on the Tensile Properties of Polyimide Composite Films at Room and Cryogenic Temperatures; ABSTRACT; INTRODUCTION; EXPERIMENTAL WORK; RESULTS AND DISCUSSION; CONCLUSIONS; ACKNOWLEDGEMENTS; REFERENCES; Chapter 13. Processing Effects on Electrical Conductivity and Mechanical Properties of Particulate Composite; ABSTRACT INTRODUCTION

Sommario/riassunto

The Asian-Australasian Association for Composite Materials (AACM) has been playing a leading role in the field of composite science and technology since its inception in 1997. AACM aims to encourage the interchange of knowledge in all aspects of composite materials both in the scientific and engineering communities. Following the success of the first three ACCM conferences ACCM 4 was held in Sydney, Australia, in July 2004. Composite technologies for 2020 provides current state-of-the-art achievements and recent advances in composite science and technologies bringing together leading experts a