

Preface

The present book is based on the collection of selected high-quality research papers submitted to ICNF 2017—3rd International Conference on Natural Fibers. The book discusses the latest research and developments in the field of natural fibre composites and will cover a wide range of topics related to various aspects of natural fibre composites such as production and processing of raw materials, surface modification and functionalization, advanced fibrous structures for composites, nano fibres and nanocomposites, multiscale composites, experimental characterization, modelling and analysis, design and product development, applications, environmental impacts, etc. The book presents the latest research works addressing different approaches and techniques to improve processing, performance, functionalities and cost-effectiveness of natural fibre composites, aiming to increase their applications in different industrial sectors such as automobiles, transportation, construction, and so on.

The papers covered in this book are written by the leading researches from different areas dealing with natural fibre composites including textile technology, polymers, mechanics, mechanical engineering, nanotechnology, biomaterials, etc. and therefore, provide a multi-disciplinary perspective on the critical issues in the area of natural fibre composites. Therefore, this book would be a valuable reference for the advanced researchers, postgraduate and Ph.D. students as well as R&D staff from different disciplines and industrial sectors working with natural fibre composites.

Guimarães, Portugal

Raul Fangueiro
Sohel Rana

Advances in Natural Fibre Composites

Raw Materials, Processing and Analysis

Fangueiro, R.; Rana, S. (Eds.)

2018, XII, 280 p. 146 illus., 98 illus. in color., Hardcover

ISBN: 978-3-319-64640-4