

1. Record Nr.	UNINA9910911289503321
Autore	Mavinkere Rangappa Sanjay
Titolo	Proceedings of the International Conference on Eco-friendly Fibers and Polymeric Materials : EFPM 2024, 19–20 February, Bangkok, Thailand / / edited by Sanjay Mavinkere Rangappa, Sathish Kumar Palaniappan, Suchart Siengchin
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819770717 9819770718
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (892 pages)
Collana	Springer Proceedings in Materials, , 2662-317X ; ; 60
Altri autori (Persone)	PalaniappanSathish Kumar SiengchinSuchart
Disciplina	620.192
Soggetti	Polymers Biopolymers Biomaterials Polymerization Polymer Synthesis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Tribological, mechanical and surface characterization of basalt fiber composite with/without surface modification. Oil sorbent mate materials from natural rubber foam and biomass fiber composites -- A comparative study of the effect of microwave curing on tensile strength of banana fiber-reinforced high-density polyethylene composites -- Effects of different chemical treatments on the physiochemical properties of natural fiber extracted from the bast of Sida Acuta (SA fiber) -- Improving mechanical behavior of compacted cement sand mixed with glass powder from glass industry and glass fiber for green construction materials -- The study of bioplastic coated on oil palm leaf fiber paper -- GAC-TiO <sub>2</sub> hybrid materials for efficient filtration of water -- Screening and evaluation of agrowaste containing natural polymer as a solid base for biodegradable plate -- Biodegradable polymers and composites for automotive applications: A concise review.

## Sommario/riassunto

This proceedings book contains papers presented at the International Conference on Eco-friendly Fibers and Polymeric Materials (LSPM23) held on EFPM 2024, 19–20 February, Bangkok, Thailand. The papers in this book are presented by academics and industrial practitioners showcasing the latest technological advancements and applications of environmentally friendly polymeric materials with an emphasis on the production of bio-based fibers and polymers are greatly enlarging its range of applications in different industrial sectors including automobiles, sports, architecture, design, and many others. The content of this book appeals to academia and industrial researchers from the fields of polymer chemistry, physics, and materials science.

---