

1. Record Nr.	UNINA9910298618303321
Autore	Acchar Wilson
Titolo	Ceramic Materials from Coffee Bagasse Ash Waste // by Wilson Acchar, Eduardo J. V. Dultra
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-15281-5
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (94 p.)
Collana	SpringerBriefs in Applied Sciences and Technology, , 2191-530X
Disciplina	363.728 620.11 620.14 628.4 670
Soggetti	Ceramics Glass Composite materials Waste management Industrial engineering Production engineering Ceramics, Glass, Composites, Natural Materials Waste Management/Waste Technology Industrial and Production Engineering
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.
Nota di contenuto	Introduction -- Porcelain Tile -- Solid Waste Materials -- Coffee Industry in Brazil -- Using CBA in Ceramic Formulations -- Theoretical Analysis of Crystalline Phases -- Physical and Mechanical Properties of CBA Incorporated Materials -- Mullite and Leucite Formation.
Sommario/riassunto	This book proposes the use of coffee bagasse ash (CBA) waste as raw material to be used in ceramic formulations. The approach presented here is a solution to a current ambiental problem as CBA waste is discharged in high amounts in agriculture. The authors analyze the potential of CBA as a material to substitute feldspar in tile production.

