1.	Record Nr.	UNINA9910847080903321
	Titolo	Sustainable Food Waste Management : Anti-corrosion Applications / / edited by Ruby Aslam, Mohammad Mobin, Jeenat Aslam
	Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
	ISBN	981-9711-60-6
	Edizione	[1st ed. 2024.]
	Descrizione fisica	1 online resource (X, 277 p. 56 illus., 44 illus. in color.)
	Collana	Materials Horizons: From Nature to Nanomaterials, , 2524-5392
	Disciplina	363.728 628.4
	Soggetti	Refuse and refuse disposal Corrosion and anti-corrosives Nanotechnology Food science Waste Management/Waste Technology Corrosion Food Nanotechnology
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Corrosion: Basics, Adverse Effects and Its Mitigation -- Corrosion Mitigation using Green Chemicals -- Bio-Waste: Introduction, Origin and Management -- Food Waste: Introduction, and Origin -- Food Waste: Environmental Impact Assessment -- Sustainable Management and Valorisation of Food Waste -- Agricultural Waste as Corrosion Inhibitor -- Vegetable and Fruit/Fruit Juice Waste as Corrosion Inhibitor -- Plant Waste as Corrosion Inhibitor -- Slaughterhouse Trash as Corrosion Inhibitor -- Industrial Corrosion Inhibitors: Food Waste as Ideal Substitutes -- Economics and Commercialization of Food Waste as Corrosion Inhibitors.
	Sommario/riassunto	This book highlights established research and technology on corrosion inhibitors and bio-waste management. It further discusses emerging aspects of utilizing food waste in the field of corrosion inhibition. The topics covered include overview on bio-waste and their management, different types of food waste (i.e., agricultural, vegetable and fruit/fruit juice, plant waste, slaughterhouse trash), and their application as

corrosion inhibitors and mitigation of corrosion. It also discusses economic aspects and commercialization of food waste as corrosion inhibitors. The book is a valuable reference for beginners, researchers, and professionals working in the areas of sustainability, food waste management, and material science.