EĞİ	TİM YAYIN GRUBU	
Prof. Dr. K	orkmaz BELLİTÜRK	
Assoc. Pro	of. Dr. Ahmet ÇELİK	
	тн	IE IMPORTANT DATES FOR THE BOOK:
b- c- d- e-	Deadline for Contacting the Pul Deadline for Submitting Chapte Sending Chapter Acceptance I Documents: December, 2025 Online Publishing the Book: 06	olisher via Email: August, 2025 ers and Similarity Reports as Full Papers: November, 2025 Document to Authors and Signing and Completing the Agreement .01.2026
	Book Name: Sustaina	able Plant Nutrition and Soil Quality Management
Chapter No	Authors	litle
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Signature/Stamp

1



Book Proposal Title: Sustainable Plant Nutrition and Soil Quality Management

Description of Book's Subject:

Soil science, fertilization, plant nutrition, solid waste management, soil ecology and also sustainable agriculture techniques have become a challenge for the entire globe due to rising population, urbanization and industrialization. The mismanagement has resulted in number of environmental problems like air, water-soil pollution and many health hazards. The major fraction of the waste stream is organic, particularly in developing countries, that can be transformed into useful end- product of commercial and agricultural importance.

Keeping the importance of organic solid waste in view this book entitled "Biotransformation of organic solid waste (as compost and vermicompost): An approach towards environmental sustainability" offers research on the challenges associated with organic waste management, bio utilization of organic waste through composting and vermicomposting, green energy production, recovery of waste materials, and the novel and innovative technologies for the processing of organic waste under various environmental conditions. In addition to all this, soil and plant health are of great importance for agricultural production and healthy future generations, and these topics will also be included in this book.

Tentative table of contents (these are not chapter titles):

- 1 Soil ecology and ecosystem
- 2 Organic municipal solid waste: Generation, composition and environmental effects
- 3 Agricultural waste and its management
- 4 Land-filling of municipal solid waste and associated environmental problems
- 5 Composting, techniques and its benefits
- 6 Vermicomposting technology for organic solid waste management: Making wealth from waste
- 7 Production of green energy from food waste valorization
- 8 Aquatic weed waste management through green technologies

9 Composting and vermicomposting: Co-composing technique for effective solid waste management and Sustainable agriculture

- 10 Entrepreneurship and circular economic development from organic solid waste treatment
- 11 Bacterial species: Diversity and role in solid waste management
- 12 Mycorrhiza, enzyme activities and application in solid waste management
- 13 Role of psychrotrophic microbes in management of organic solid waste in the world
- 14 Economic and true fertilizer use in agricultural production
- 15 Potential of sewage-sludge for biofuel production
- 16 Managing soil quality for plant nutrition
- 17 Bioremediation, phytoremediation
- 18 Different waste management methods and techniques
- 19 Soil-plant relationships
- 20 Soil-plant-water relationships
- 21 Drought and its effects on agriculture
- 22 Climate change
- 23 Food hunger and global hunger
- 24 Smart fertilizers
- 25 Soil microbiology
- 26 Precision agriculture
- 27 The importance of plant nutrition and soil health for field crops
- 28 Cover crop
- 29 The importance of plant nutrition and soil health for horticultural crops
- 30 Soil and population relationship
- 31 Population growth puts pressure on agricultural areas
- 32 Biochar, production and role in treatment of organic solid waste activities for

rapid degradation of organic solid wastes, presents the application of psychrotrophic microbes for enhanced composting and vermicomposting of organic solid wastes in

This book is designed to serve as a text or reference book for students, researchers, entrepreneurs, and engineers working in the field of agricultural (mostly department of soil science and plant nutrition) and environmental science studies. It also acts as a reference text for policymakers, students, agricultural workers, planners, and professionals involved in agriculture, soil management, environmental and sustainable development practices.

EGITIM YAYINEVI BASIM YAYINI DAĞITIM İC DIS TİC ETD.ŞTİ. Fevzi Cakımak Mah. 007. SV. BATAK No. 16 B Selcuk V.D. 325 107.526 Anratay KONYA Sir.No.57767 Meyris Honos 25 10805760000