

# Contents

**About the series — VII**

**List of contributing authors — IX**

Emily E. Claveau and Angela K. Wilson

## **Chapter 1**

**Green chemistry across the chemical sciences: the road to sustainability — 1**

Marta Guron

## **Chapter 2**

**Impact of green chemistry education on human health and environmental sustainability: in for a penny, in for a pound — 11**

Hind A. Al-Abadleh

## **Chapter 3**

**Application of green chemistry principles to research in atmospheric chemistry — 25**

Huan Chen and Alex T. Chow

## **Chapter 4**

**Prescribed fire as an effective fuel reduction technique with minimal impact on dissolved organic matter quantity and optical properties — 51**

Larry Kolopajlo

## **Chapter 5**

**A review of sustainable leather tanning — 67**

Jewels Haisha and Eliona Islami

## **Chapter 6**

**Eco-friendly oral hygiene products: composition, sustainability, and degradability — 151**

**Index — 163**