

Contents

Acknowledgments.....	vi
Editor Biographies	vii
List of Contributors.....	ix
Chapter 1 Introduction to Drones, UAVs, and Their Applications	1
<i>Aditya Srivastav, Smita Shandilya, and Fernando Ortiz-Rodriguez</i>	
Chapter 2 Precision Agriculture Takes Flight: Drone Technology in Crop Management.....	42
<i>Srilakshmi Prabhu and Dhanya Y Bharadwaj</i>	
Chapter 3 Drone Swarms and Autonomous Systems	65
<i>Velmurugan S, Sudharsan K K, Sri Sathya Priya R, Ruthresh T, Sivakumar P, and Ramesh A</i>	
Chapter 4 Drones in Delivery and Logistics Transforming Transportation Systems	86
<i>Aditya Srivastav and Shishir Kumar Shandilya</i>	
Chapter 5 Utilizing AI and UAVs for Disaster Response in Smart Cities	118
<i>Bhupinder Singh and Christian Kaunert</i>	
Chapter 6 Integrated Forensic Methodologies for Unmanned Aircraft Systems (UAS)	139
<i>Devangana Sujay and Shishir Kumar Shandilya</i>	
Chapter 7 Challenges and Risks of Drone Technology	153
<i>Roheen Qamar and Baqar Ali Zardari</i>	
Index	169