

An unmanned aerial vehicle (UAV), commonly known as a drone, is an aircraft without any human pilot, crew, or passengers on board. UAVs were originally developed through the twentieth century for military missions too "dull, dirty or dangerous" for humans, and by the twenty-first, they had become essential assets to most militaries. As control technologies improved and costs fell, their use expanded to many non-military applications. These include aerial photography, precision agriculture, forest fire monitoring, river monitoring, environmental monitoring, policing and surveillance, infrastructure inspections, smuggling, product deliveries, entertainment, and drone racing.

In the present book, fifteen typical literatures about UAV(Unmanned Aerial Vehicle) published on international authoritative journals were selected to introduce the worldwide newest progress, which contains reviews or original researches on UAV(Unmanned Aerial Vehicle). We hope this book can demonstrate advances in UAV(Unmanned Aerial Vehicle) as well as give references to the researchers, students and other related people.¹

The Editorial Board of Academic Archives
Scientific Research Publishing
March 3, 2023

¹ https://en.wikipedia.org/wiki/Unmanned_aerial_vehicle