TABLE OF CONTENTS – Thermal Imaging Techniques to Survey and Monitor Animals in the Wild: A Methodology

- Apparent temperature Versus viewing angle

- **Chapter 7: Thermal Imagers and System Considerations**
    - Abstract
    - Brief history (basic concepts)
    - Performance parameters

- **Chapter 8: Imager Selection**
    - Abstract
    - Introduction
    - Thermal detectors versus photon detectors
    - Selecting an IR imager
    - Camera features
    - Verifying performance
    - Typical MWIR camera

- **Chapter 9: Properties of Thermal Signatures**
    - Abstract
    - Introduction
    - Image quality
    - Spectral domain
    - Spatial domain
    - Temporal domain
    - Visibility bias
    - Surveillance

- **Chapter 10: Thermal Imaging Applications and Experiments**
    - Abstract
    - Background
    - Literature reviews
    - Concluding remarks

- **Chapter 11: Using Thermal Imagers for Animal Ecology**
    - Abstract
    - Introduction
    - Methodology
    - Surveys
    - Angular dependencies and effects
    - Emissivity
    - Background clutter
    - Diurnal cycle
    - Atmospheric effects
    - Automated detection
    - Thermography and thermoregulation

- **Chapter 12: On the Horizon**
    - Abstract
    - Drones
    - Miniaturized thermal cameras
- References – Subject Index.