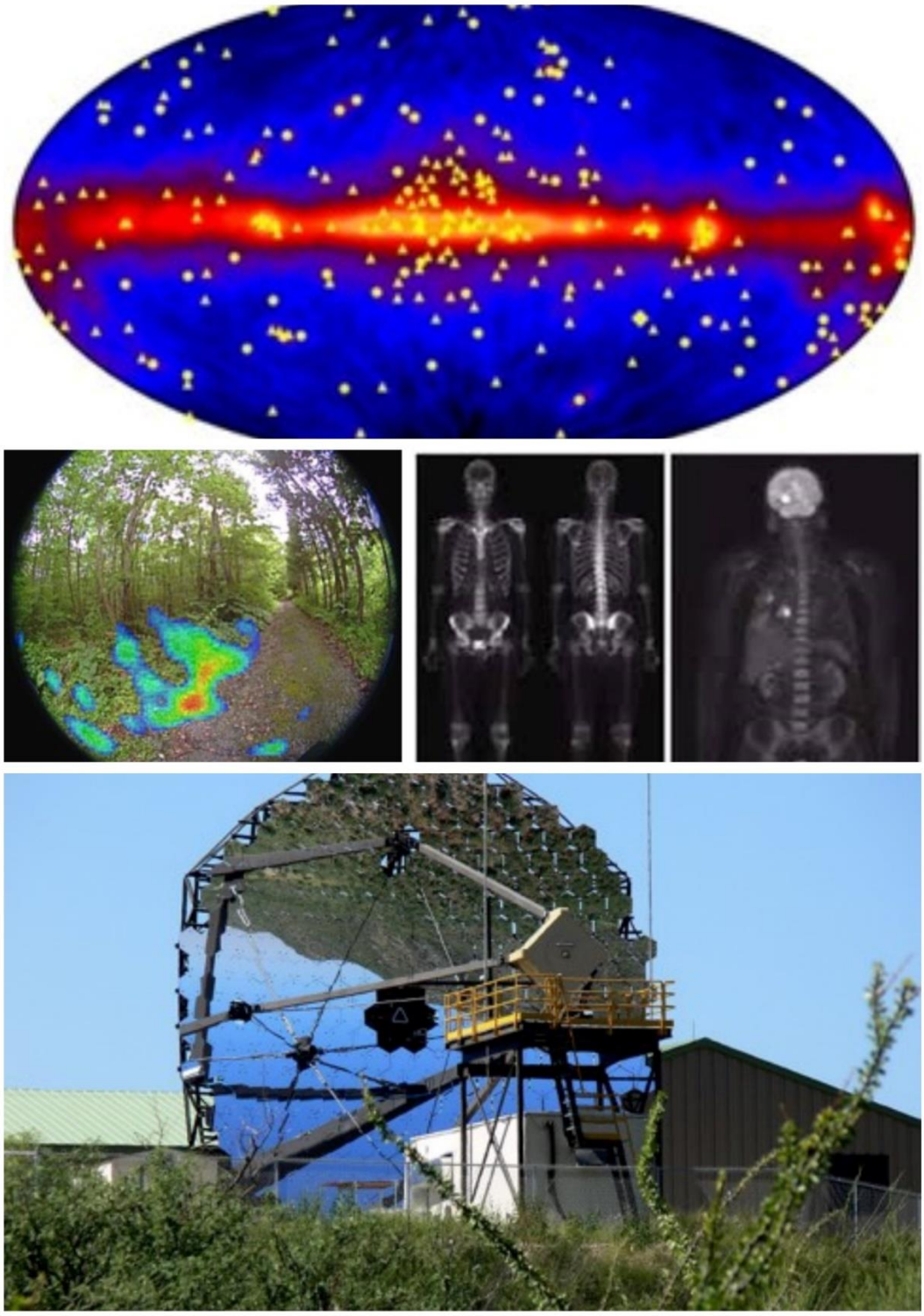

Fig. 6 : Applications of Gamma ray imaging

a. Space captured through Gamma telescope
b. Compton Camera image
c. Tumour detected as bright white spot in PET
d. a ground-based gamma-ray observatory located in Arizona

Fig. 7 : Applications of X- ray imaging

a. X-ray of bulbs for quality control
b. Chest x-ray
c. X-ray based discrimination between Authentic and counterfeit Chip

Fig. 8 : Applications of X- ray imaging in astronomy

a. The Sun in x-rays, as seen by the NuSTAR observatory. Active regions are the brightest in x-rays.
b. A Chandra image of M51 contains nearly a million seconds of observing time. X-ray

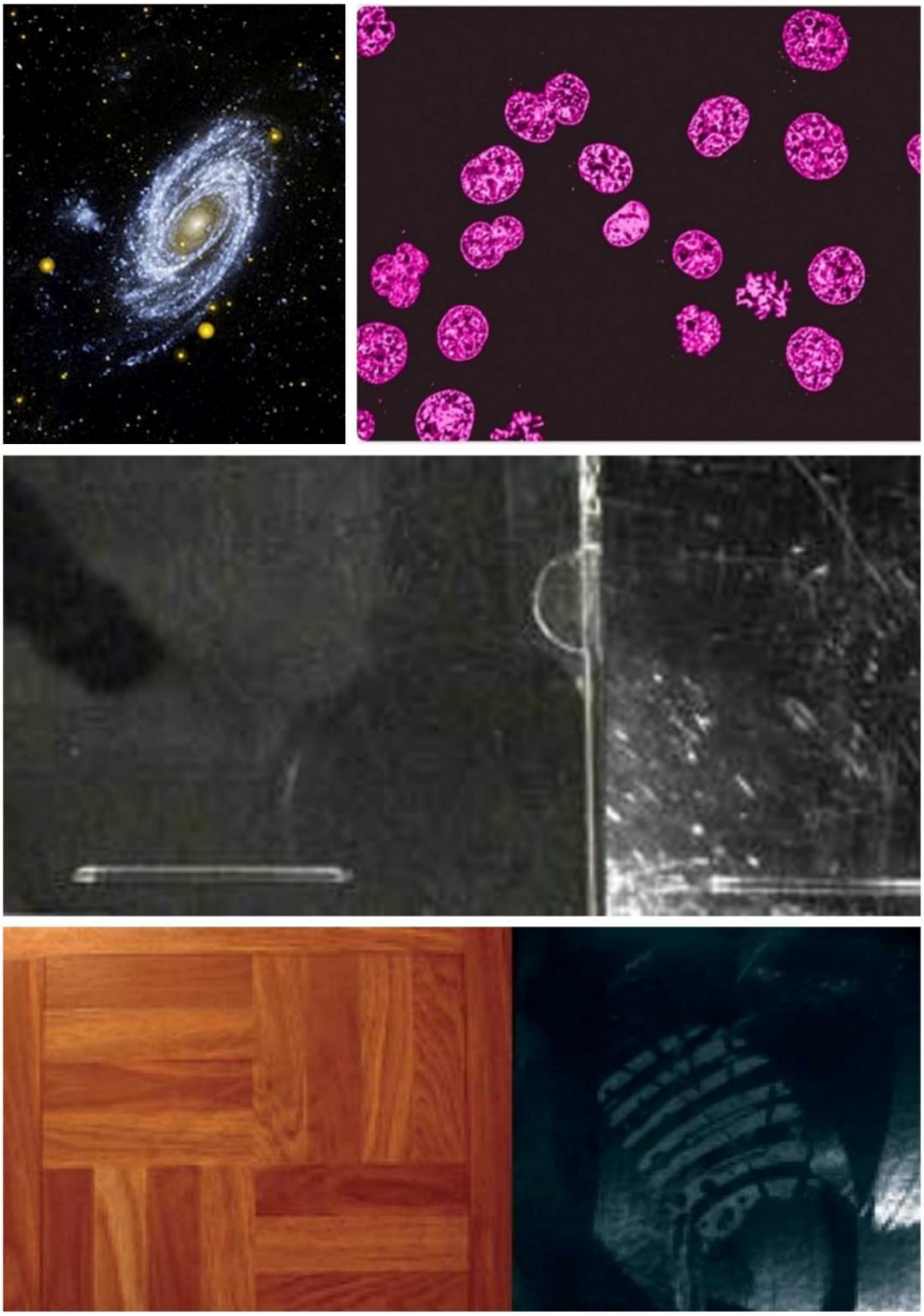

Fig. 9 : Applications of UV imaging

a. Galaxy M81 under UV telescope

b. Sample under UV-fluorescence imaging

c. *CD jewel case is imaged in both visible (left) and UV lighting (right). Scratches are not apparent in the visible image but are clear in the UV image.*

d. *Floor is imaged in both visible (left) and UV lighting (right)*UV image on the right clearly

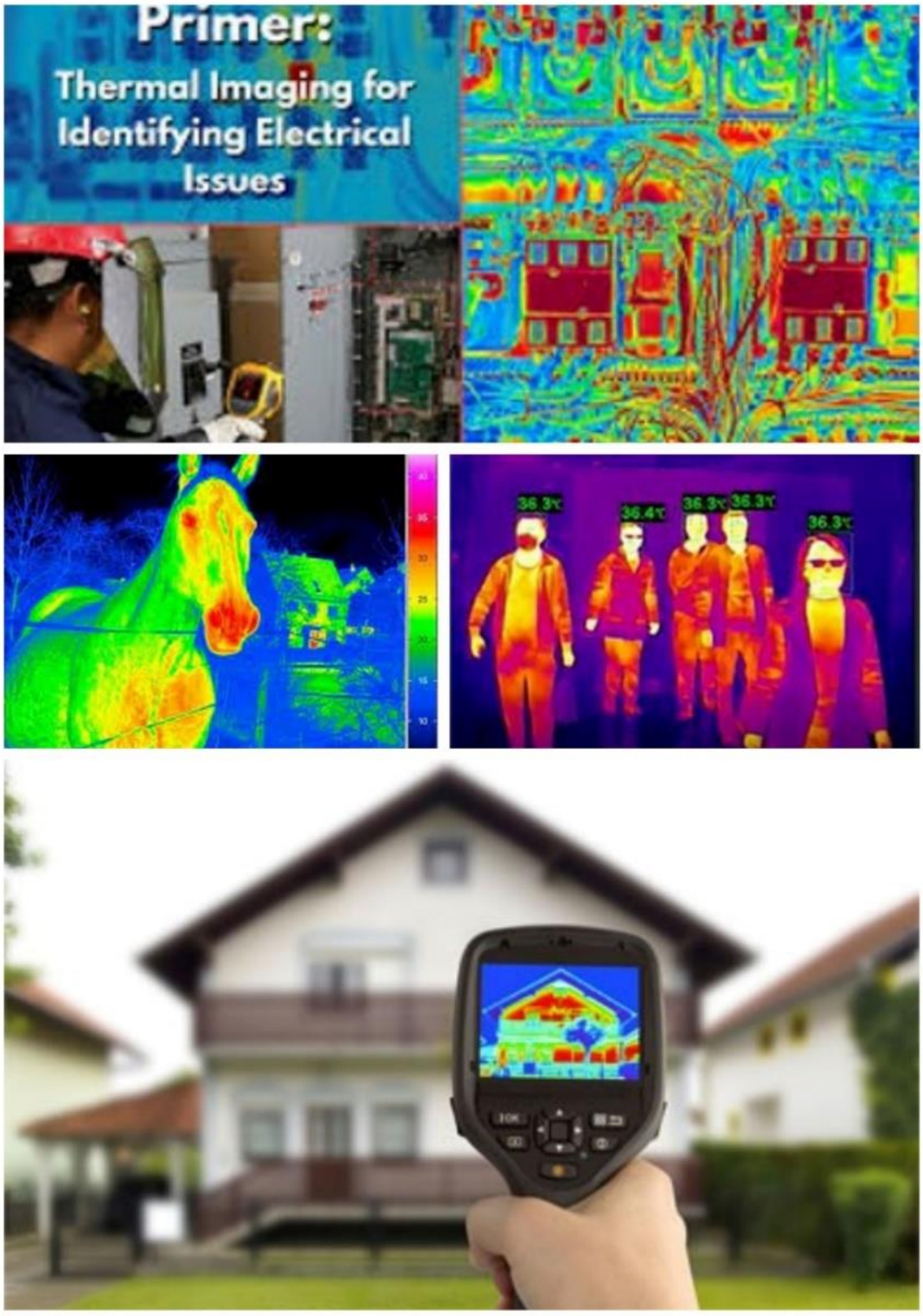

Fig. 10 : Applications of IR imaging

a. Image taken through IR to identify electrical issues
b. Night Vision
c. Body temperature measurement
d. Measuring heat radiations of a building

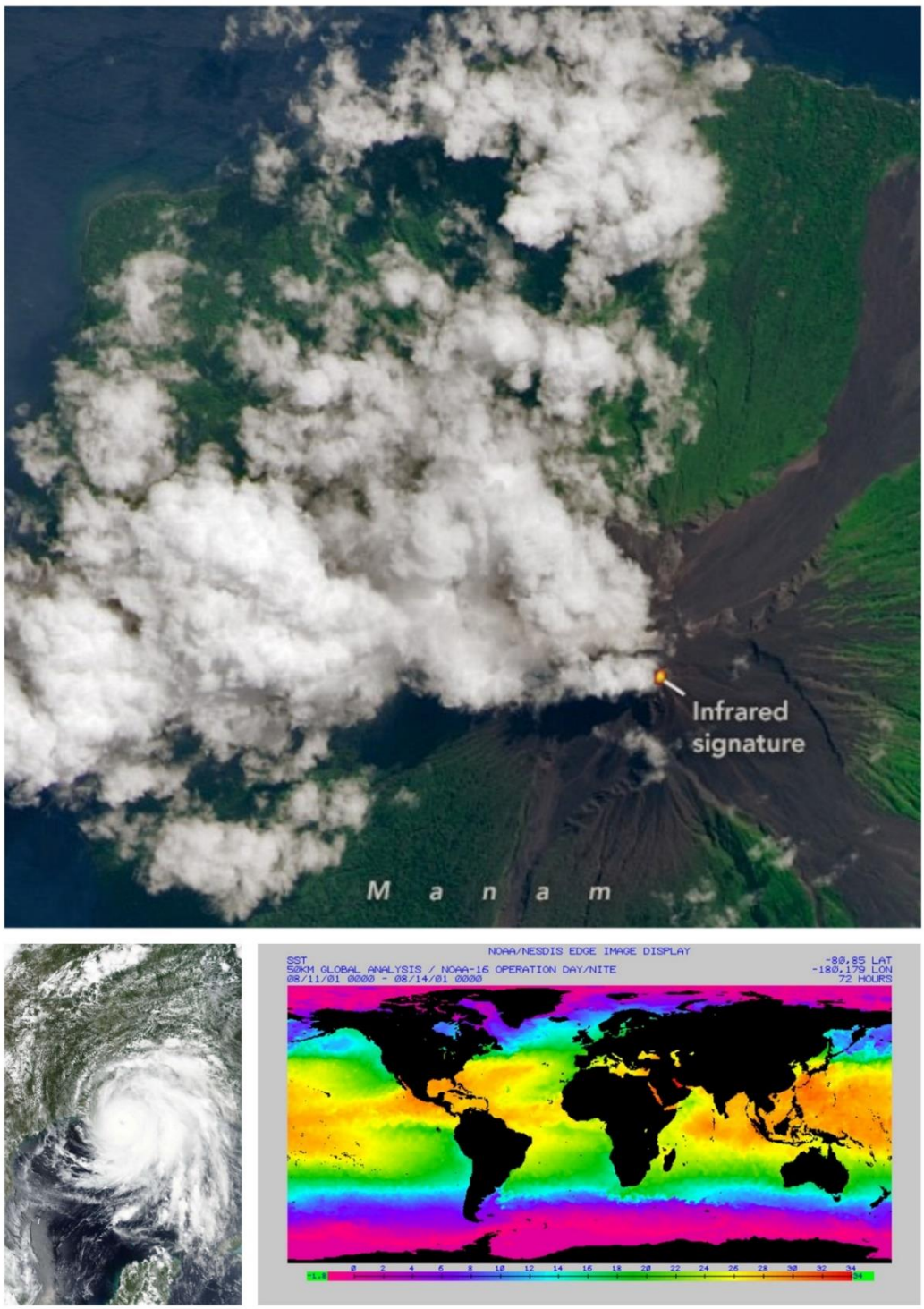

Fig. 11 : Applications of remote sensing of Earth using IR sensors

a. On May 22, 2022, the Operational Land Imager (OLI) on Landsat 8 observed an infrared signature, indicating heat in Manam's island indicating active volacano
b. Lansat image of hurricane Ida
c. Sea surface temperature mapping using LANDSAT-8

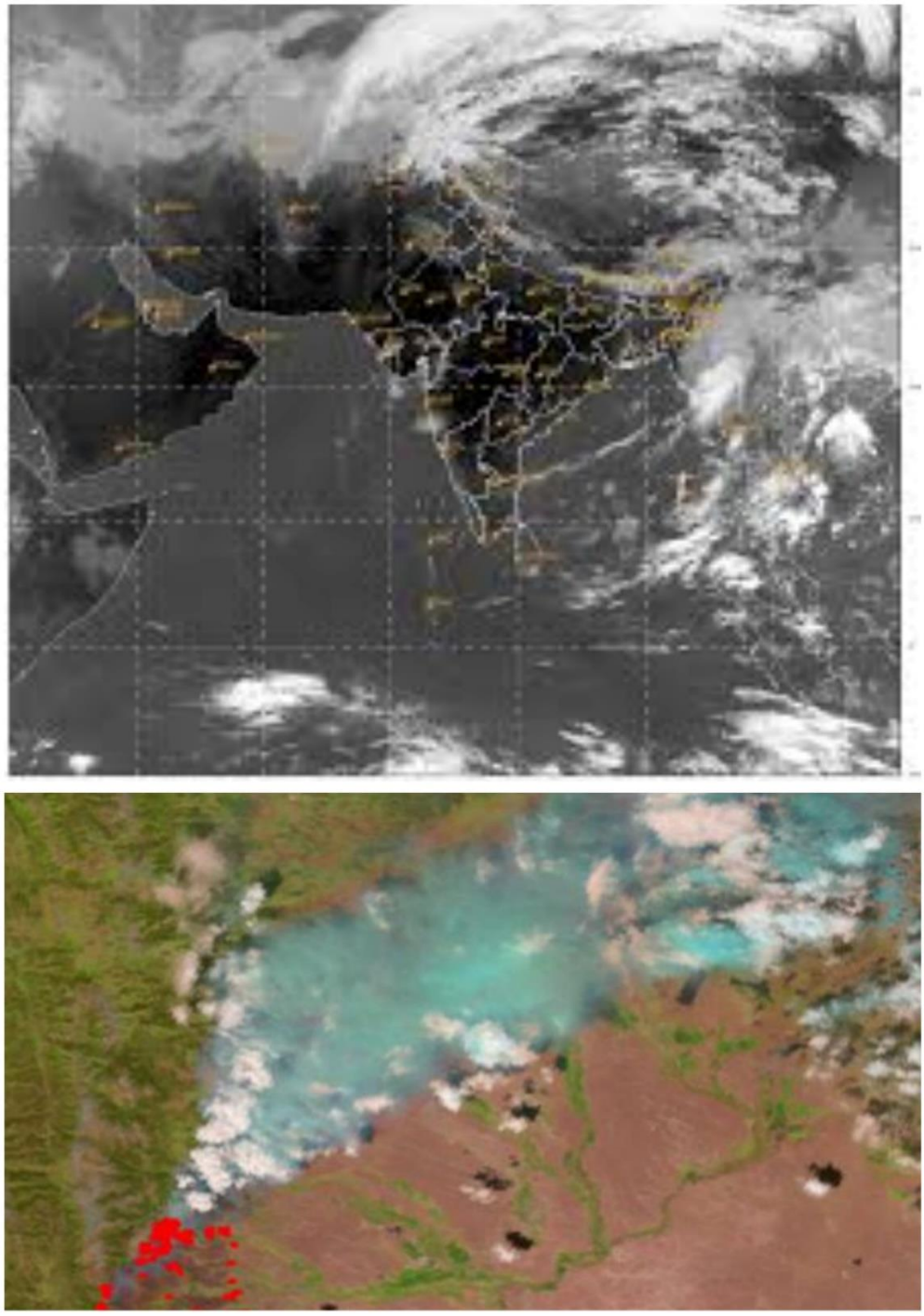

Fig. 12: Applications of remote sensing of Earth using visible light

a. INSAT-1B satellite image for weather forecasting
b. Forest fire detection using satellite image

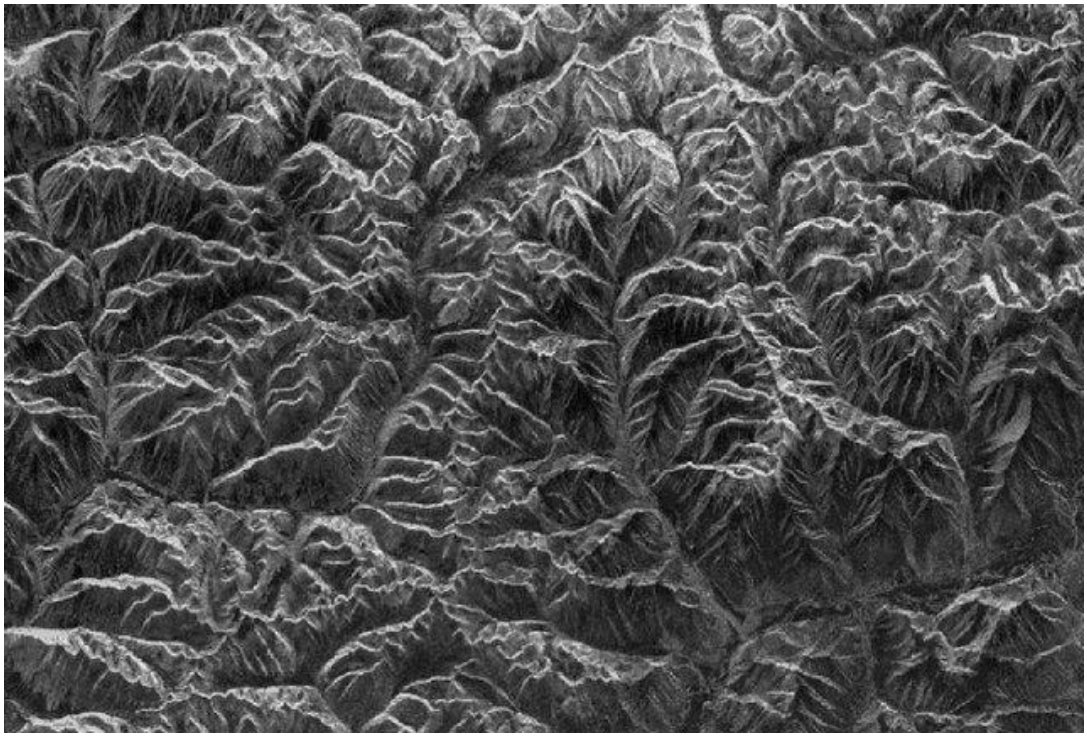

Fig. 13: Applications of remote sensing of Earth using visible light

Radar image of the Tibetan Himalayas acquired by the Spaceborne Imaging Radar- on April 10, 1994, on board the space shuttle Endeavour

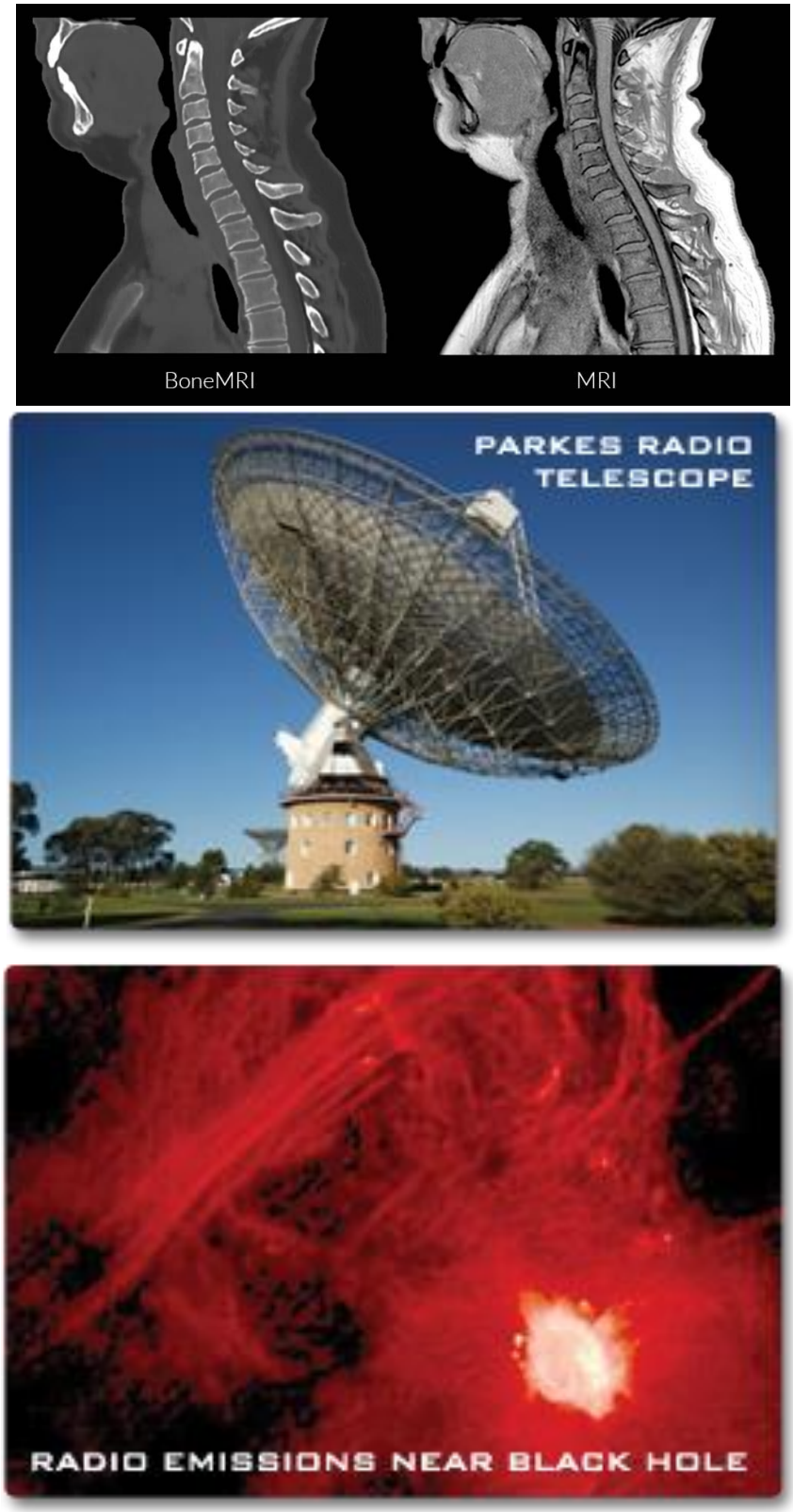

Fig. 14: Applications of imaging using Radio waves

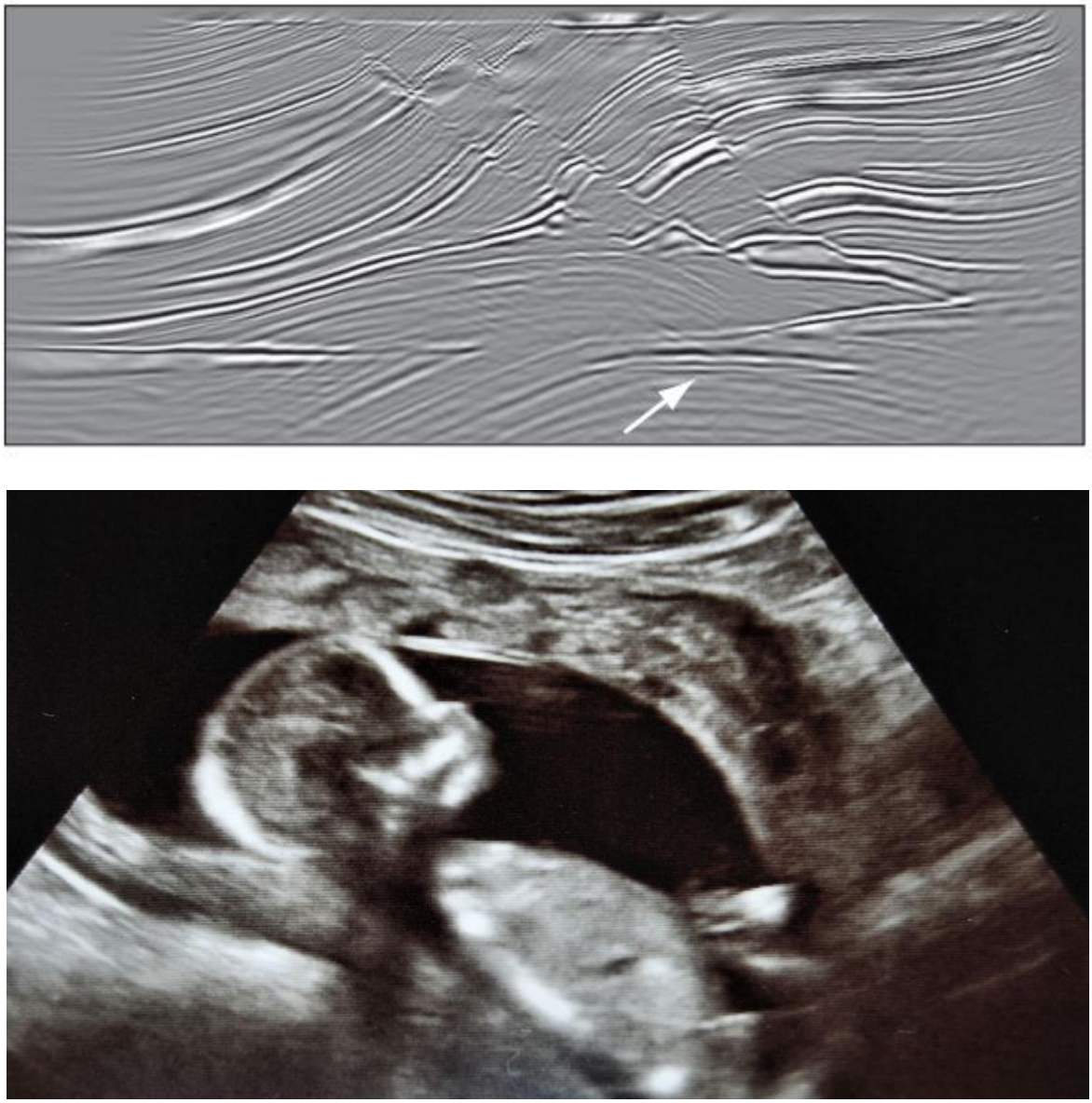

Fig. 15: Applications of imaging using sound waves

a. Mineral source found using acoustic imaging
b. Image of foetus through USG imaging

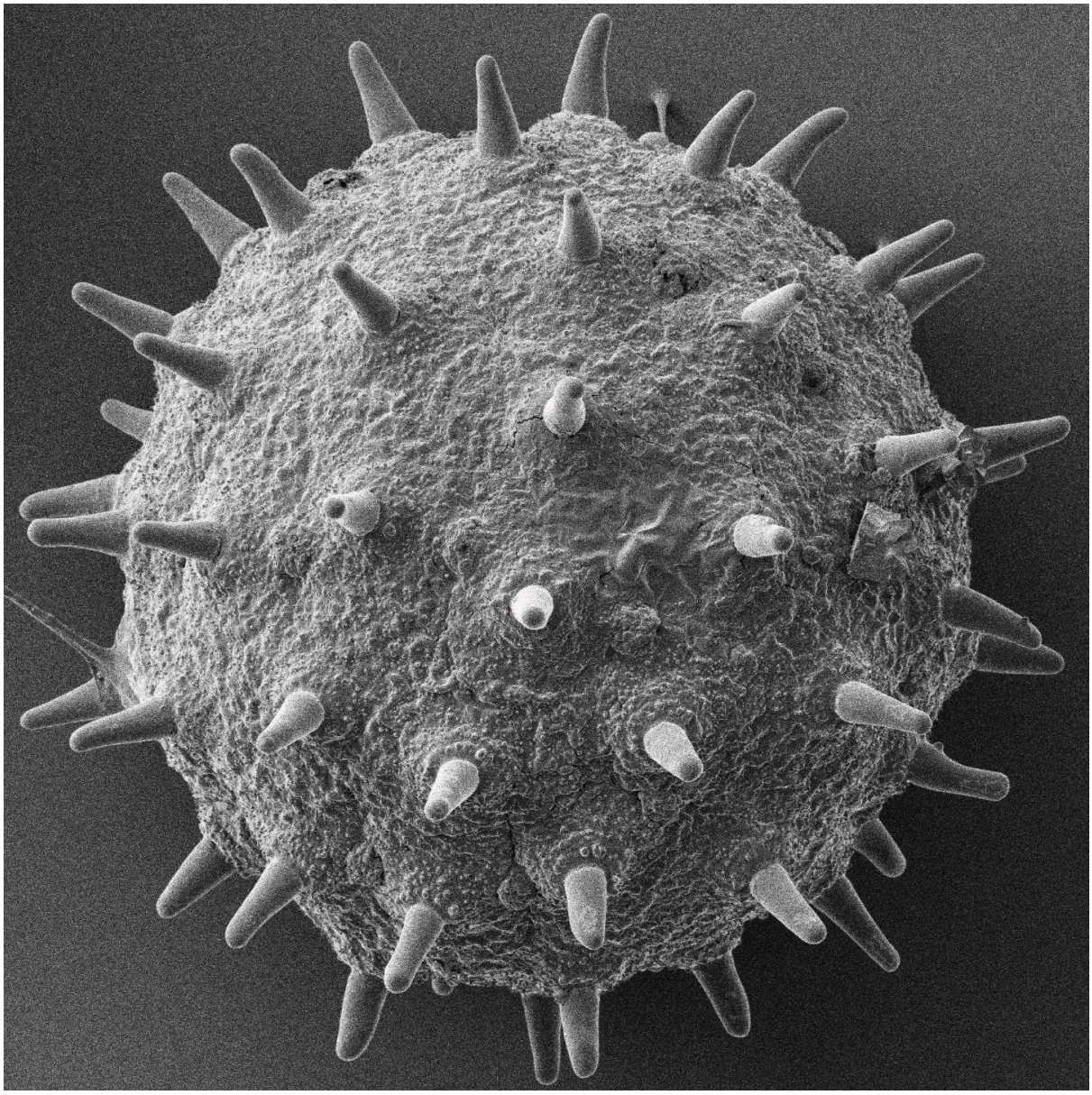

Fig. 16: Applications of imaging using electrical energy

High magnification image showing pollen inside the locule (cavity where the pollen cavity is located in hibiscus flower using electron microscope