35. Captions

Fig. 35.1. Corrosion of archaeological bronzes: (a) detail of pitting corrosion on a bronze greave from the *panoplia* unearthed in Arquata del Tronto (AP), Italy; (b) schematic illustration of “bronze disease”

Fig. 35.2. XPS curve-fitting of the Cu 2p3/2 photoelectron peak from the surface of a pure bronze alloy (a) and from different archaeological artifacts corroded by “bronze disease” (b, c)

Fig. 35.3. Innovative scientific approach to the conservation of ancient bronzes

Fig. 35.4. Chemical synthesis of organic corrosion inhibitors (right) as possible alternative to BTA

Fig. 35.5. “Green” corrosion inhibitors as possible alternative to BTA. Top left: *Opuntia ficus indica* (Barbary fig); bottom left: *Nigella sativa* (black cumin)

Fig. 35.6. Nanostructured self-healing coatings for the conservation of ancient bronzes