



**Figure 1.** Scanning electron micrographs of (A) synthetic calcite, (B) Coccolithophorid, *Emiliana huxleyi* (from International Nannoplankton Association website), (C) Aragonitic layers from Mollusc shell (From Calvert 1992 with permission from Materials Research Society), and (D) calcite crystals from the human inner ear (From Mann 2001 with permission from Oxford University Press).