

## **Extraction of photosynthetic pigments**

**Acid-washed sand:** To rupture cell membranes liberating pigments.

**Pre-chilled absolute acetone and dim light:** To prevent destruction of liberated pigments, which are sensitive to light and temperature.

**MgCO<sub>3</sub>:** Neutralize acidic pH of plant tissue to protect liberated pigments.

**Na<sub>2</sub>SO<sub>4</sub>:** Dehydrate the plant tissue to facilitate pigments liberation.

**If the pellet remains green:** add ice cold acetone several times till complete extraction of trapped pigments.