

$$\mathbf{C}_{\text{avg, as}} = \frac{\sum_{j=1}^r (\text{Vol}_{\text{as}, j})(\mathbf{D}_{\text{as}, j})(\mathbf{W}_{\text{as}, j})}{\sum_{j=1}^r (\text{Vol}_{\text{as}, j})(\mathbf{D}_{\text{as}, j})} \quad (\text{Eq. 1})$$