

# Review of: "[Mini Review] Role of Mango in Immune System"

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**Potential competing interests:** No potential competing interests to declare.

Several studies revealed that nuclear factor erythroid 2-related factor 2 (Nrf2) regulates redox homeostasis and works as an anti-inflammatory in various inflammatory-degenerative disorders, such as cancer. Relevant to chemoprevention and its related therapeutics, experimental models suggest that redox-active compounds, which have been shown to act via hormetic dose responses, are endowed with powerful anti-inflammatory effects, displaying endpoints of biomedical and clinical relevance. Thus, the interplay and coordination of redox interactions and their interaction with endogenous and exogenous antioxidant defence systems is an emerging area of research interest in anti-inflammatory and anti-cancer therapeutics. This reviewer is satisfied with the significance of this study, the care with which the study was performed, and the implications of the results for human health. Results presented are interesting, and the questions posed are of extremely high interest; thus, the paper does give adequate definitive information. Pending minor points, this paper can be accepted.

**Minor concerns:**

Given the relationship between the vitagene network and its possible biological relevance in the defense mechanisms against oxidative stress-driven degenerative diseases or cancer, authors can mention in the discussion appropriately this aspect (See and quote, please, Calabrese et al., 2010, *Antiox. Redox Signal* 13,1763; Calabrese et al., *Nature Neurosci.*, 2007 8, 766; Calabrese et al., *Free Radical Biology and Medicine*, 20, 391 - 397, 1996)