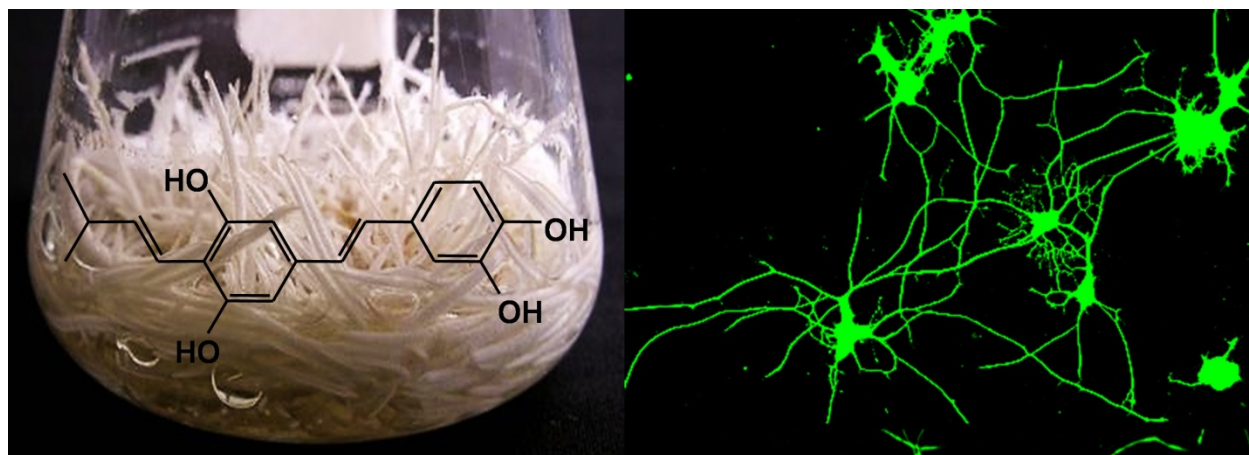


About the Cover



Hairy root cultures of peanut can be induced to produce diverse classes of stilbenoids that exhibit important biological activities. In this issue, collaborative work between the Srivatsan and Medina-Bolivar research teams shows that extracts from the peanut hairy root cultures enriched in stilbenoids (resveratrol and its prenylated analogues, arachidin-1 and arachidin-3) protect neurons against oxidative stress.

Picture on the left, peanut hairy roots growing in the conical flask and on the right fluorescence microscopic image of PC 12 cells differentiated into neurons. These cells are stained with antibody for neurofilament protein to show that they are differentiated into neurons.