1056-34-1221 **Billur Kaymakcalan*** (billur@georgiasouthern.edu), **Ravi P. Agarwal**, **Said R. Grace** and **Wichuta Sae-jie**. *Oscillation criteria for some types of second order nonlinear dynamic equations.*

We investigate the oscillatory behavior of second order nonlinear dynamic equations of the form $(a(x^{\Delta})^{\alpha})^{\Delta}(t)+q(t)x^{\beta}(t) = 0$, their forced and forced-perturbed extensions, as well as similar behavior of equations of the type $(a(t)(x^{\Delta}(t))^{\alpha})^{\Delta} + f(t, x^{\sigma}(t)) = 0$, on an arbitrary time scale $\mathbb{T}$, where α and β are ratios of positive odd integers, a and q are real-valued, positive, rd-continuous functions on $\mathbb{T}$ and $f : [t_0, \infty) \times \mathbb{R} \to \mathbb{R}$ is continuous, $sign\, f(t, x) = sign\, x$, with $f(t, x)$ being non-decreasing in x for each fixed $t \geq t_0$. (Received September 21, 2009)