

# Turkish Journal of Chemistry

Turkish Journal

of

Chemistry

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A systematic study on the absorption and fluorescence properties of 2,4,6-triaryl and tripyridylpyridines

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**Abstract:** Eight different 2,4,6-triaryl, and tripyridylpyridines compounds were synthesized and their fluorescent properties were studied by using steady-state and time-resolved fluorescence and UV-Vis absorption spectroscopy techniques in 6 different solvents. Especially, 2,4,6-triarylpyridines showed strong fluorescence properties with high fluorescence quantum yields but small Stokes shifts.

**Key Words:** 2,4,6-triarylpyridine, 2,4,6-tripyridylpyridine, fluorescence, UV-Vis absorption, fluorescence quantum yield, fluorescence lifetime.

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Turk. J. Chem., **33**, (2009), 677-684.

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