**Abstract**

 A series of new 4,6-diaryl-4,5-dihydro-3-hydroxy-2H-indazoles 5a–5k were synthesized by the cyclization of ethyl 2-oxo-4,6-diarylcyclohex-3-ene carboxylates 4a–4k. The compounds were characterized by IR, 1 H NMR, 13C NMR, 2D NMR, and elemental analysis. The synthesized compounds were evaluated for in vitro antibacterial and antifungal activities against *Staphylococcus aureus, Escherichia coli, Salmonella typhimurium, Pseudomonas aeruginosa, Candida albicans, Aspergillus niger, Aspergillus flavus,* and *Rhizopus sp*. Most of the compounds exhibited good activity against the tested organisms.