

ABSTRACT

In the present work, design and synthesis of novel diaryl pyrazole or 1,2,4-triazole bearing either carboxamide or ureido or 1,3,4-oxadiazole heterocyclic derivatives **VIIa-f**, **XIa-f**, **XVIa-e**, **XXIa-f** and **XXIIa-d** have been discussed. The chemical structures of the new compounds were characterized using spectral and elemental analyses. The newly synthesized compounds were evaluated for their *in vivo* anti-inflammatory/analgesic activities compared to celecoxib. In addition to, COXs and sEH inhibitory assay relative to celecoxib and AUDA. Finally, docking studies were performed for certain compounds to strengthen our rational.