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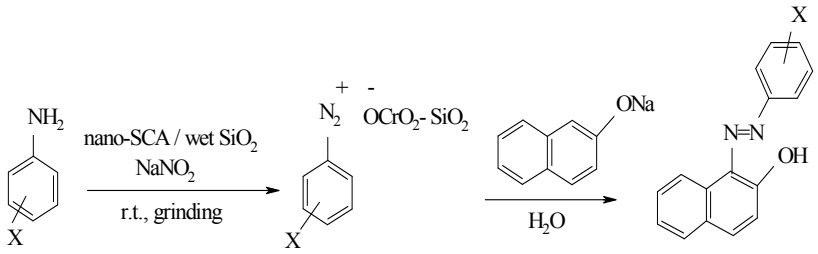
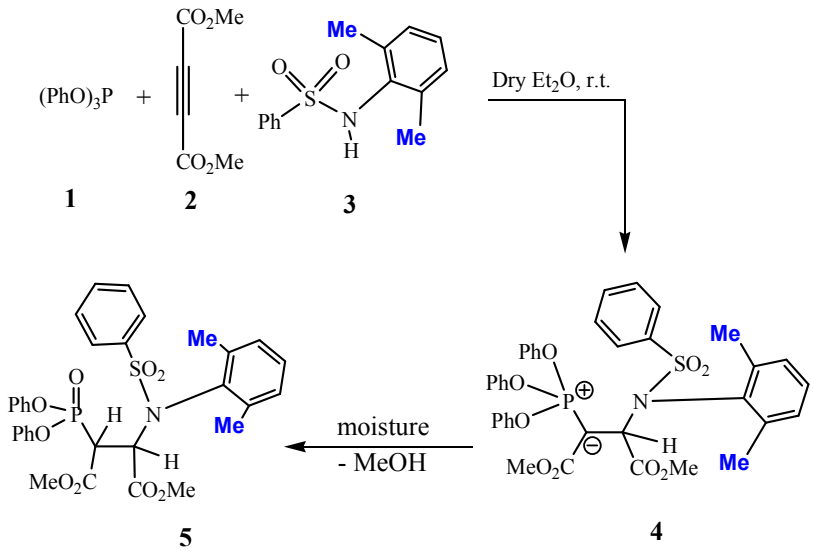
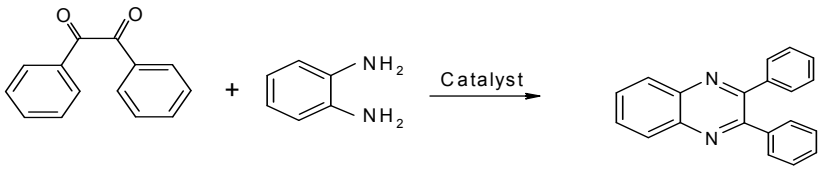
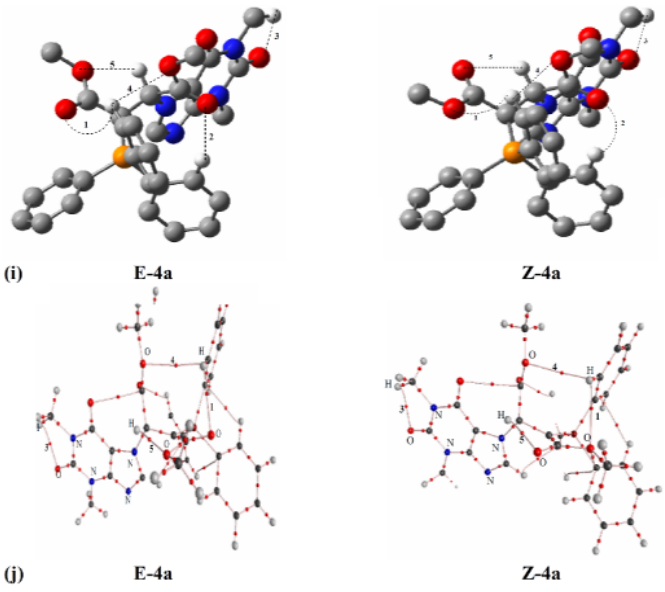
Graphical Abstracts







Entry	substrate	nano ZnO(mmol)	time(min)	yield (%)
1	benzyl alcohol	0	30	65
2	benzyl alcohol	0.25	30	80
3	benzyl alcohol	0.5	30	90
4	benzyl alcohol	0.75	30	90



Electrocatalytic oxidation of ethylene glycol at surface of modified carbon paste electrode with poly (N,N-dimethyl aniline)/Ni-Co **pp 653-657**

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The electrooxidation of ethylene glycol (EG) on modified carbon paste electrode with poly (N,N–dimethyl aniline)(SDS) (CPE/PDMAN-SDS) with different proportions of Ni (II) and Co (II) in 1 M NaOH was studied by cyclic voltammetry. The results show that formed layers at the surface of the electrodes behave as an efficient electrocatalyst for the oxidation of EG in alkaline medium via the Ni (III) and Co (III) species. These modified electrodes exhibit high electrocatalytic activity and stability in alkaline solution, showing oxidation peaks at low potentials with high current densities. The effects of various parameters such as potential scan rates, EG concentration and the supporting electrolytes on the electrooxidation of EG are also investigated.