**Nanostructured surfaces**

**Monohydrazo Oximes And Their Metal Complexes**

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In this study, 4-acetyldiphenyl compound was synthesized by the reaction of acetylchloride and diphenyl with AlCl3 catalysis, firstly. After that, this compound was dissolved in dichloromethane and reacted with isopenthylnitrite and trimethylsilane chloride to give isonitroso acetyldiphenyl (keto-oxime) compound[1,2]. This isonitroso compund gives condensation reaction with hydrazinehydrate to give hydrazo-oxime compounds. And this compund was reacted with some aldehyde compounds to give substituted hydrazo-oxime compounds[2,3]. Additionally, copper and cobalt complexes were synthesized with this hydrazooximes[4].



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