**Nanostructured surfaces**

**CONDENSATION REACTION BETWEEN OXIME AND HYDROZONES**

**Arjan A. HAMEED, İbrahim KARATAŞ**

*Selçuk University, Faculty of Science, Department of Chemistry, Konya, TURKEY*

*arjankimya@gmail.com*

 In this study, the first compound 2-oxo-2-(3-phenoxyphenyl)acetaldehyde oxime was synthesized from 1-(3-phenoxyphenyl)ethan-1-one with chlorotrimethylsilane and isopentyl nitrite[1]. And the preparation of the second compound (1-(hydrazineylidenemethyl)naphthalen-2-ol ) was prepared like literature [2]. Then the first and second vehicles were introduced and the final compound was obtained as shown in the reaction[2,3].





1. *Mohammed, A. H. and Nagendrappa, G.,*A remarkably simple α-oximation of ketones to 1, 2-dione monooximes using the chlorotrimethylsilane–isoamyl nitrite combination,//Tetrahedron lett.,2003, **44**, 2753-2755.
2. *Alıcı, Ö, and Karataş, I.,* Synthesis of New Substituted 1, 2, 4‐Triazines from Isonitrosoketones and Terephthalaldehydedihydrazone// *J. Heterocyclic Chem..-*2012.- **49**, 576-579.
3. *Koçak, N., Sahin, M. ve Ucan, H. I.*,The synthesis of two new isonitrosoacetophenone derivatives and investigation of their Ni (II), Co (II), Cu (II), and Zr (IV) complexes// Russ. J. Inorg. Chem., 2012, **57**, 1227-1231.