

Synthesis of Antifungal by the Use of Green Catalyst

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Abstract : The work is carried out for the synthesis of antifungal effective against the fungus *Fusarium oxysporum*, *Albedinis* (Foa), the causative agent of bayoud, dates palm disease, through the use of raw clay as a green catalyst. The Aza-Michael reaction of amine addition to α , β -unsaturated alkene was carried out using the crude clay as a green catalyst to synthesize the antifungal agent bayoud. The reaction was carried out under favorable conditions, ambient temperature, without solvent, and a green catalyst "loves the environment" that the product that was synthesized gave us a high yield and excellent chemo selectivity.

Keywords : raw clay, amines, alkenes, environment, antifungal, bayoud, date palms

Conference Title : ICAB 2023 : International Conference on Agriculture and Biotechnology

Conference Location : New York, United States

Conference Dates : September 11-12, 2023