

## **THE SURFACE PHOTOCHEMISTRY OF PROCYMIDONE IN PRESENCE OF AMMONIUM FERRIC CITRATE**

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**Abstract.** The knowledge of the behaviour and fate of pesticides after their application is very important from the environmental, human health and economical points of view. The problem of pesticide residues on fruits is of major concern. Procymidone was chosen as the model compound and its phototransformation was followed under sunlight irradiation. The main photodegradation products on silica are: 3,5-dichloroaniline and 3,5-dichlorophenyl isocyanate. The use of ammonium ferric citrate can enhance the degradation of procymidone.

**Keywords:** procymidone, ammonium ferric citrate, silica, phototransformation.

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