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شبكة المعلومات الجامعية التوثيق الالكتروني والميكرو فيلم



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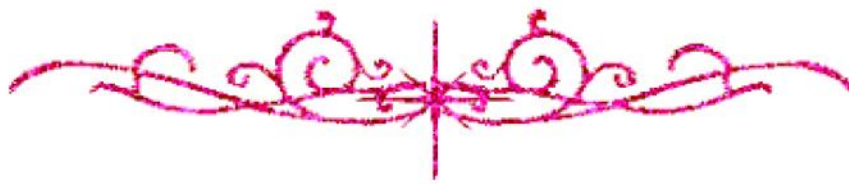
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لم ترد بالأصل



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**A STUDY ON OPTIMIZATION OF
MICROENCAPSULATION PROCESS USING
EXPERIMENTAL DESIGN**

**A THESIS PRESENTED
BY**

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Preliminary experiments for optimization of microencapsulation of sulfur.

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I. Coacervation using non-solvent addition technique was applied for the following polymers :	
[1] Eudragit-E	
[2] Eudragit-L	
[3] Eudragit RL PM	
[4] Polyvinylpyrrolidone (PVP)	
[5] PVP & sodium silicate	
[6] Cellulose acetate phthalate (CAP)	
II. Coacervation using temperature change technique was adopted using:	
[1] Ethyl cellulose (EC)	
[2] EC & polyethylene (PG)	
[3] EC & Polyisobutylene (PIB)	

- [4] CAP
- [5] CAP & Propylene glycol (PG)
- [6] CAP & Liquid paraffin (LP)
- III. Microencapsulation of sulfur using miscellaneous techniques was carried out by the following polymers:
 - [1] Methyl cellulose & sodium carboxymethylcellulose (CMC)
 - [2] Methyl cellulose & PVP
 - [3] CAP.
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