

पेटेंट कार्यालय  
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(51) International classification	:A61Q0019000000, A01N0043653000, C07K0014005000, A61Q0019100000, C08F0220180000	(71)Name of Applicant : <b>1)ARVIND KUMAR SAXENA</b> Address of Applicant :11 B, GANDHIGRAM-2, NETAJI NAGAR, GT ROAD, KANPUR, UTTAR PRADESH-208007 Uttar Pradesh India
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(57) Abstract :

Some novel bio active materials have been synthesized by the reaction of di-, tri- or poly-hydroxy alcohol (Ethylene glycol, Glycerol, Polyethylene glycol), polybasic organic acid (Citric Acid, Tartaric Acid, Adipic Acid, and mixture thereof) and curcumin or at least one natural material bearing active methylene group like curcumin. Depending on the degree of catenation the molecular weight of these derivatives has been controlled to afford oligomers and polymers. The resultant materials are hydrophilic in nature and soluble in water and alcohols.

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