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**Anti-psoriatic and toxicity evaluation of methotrexate chitin nanogel in imiquimod induced mice
model**

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Highlights

- **Developed Methotrexate loaded chitin nanogel for topical delivery in psoriasis**
- **Good *in vitro* cyto-toxicity and anti-inflammatory activity**
- **Enhanced skin penetration than conventional carbopol gel formulation**
- **Significant anti-psoriatic efficacy on imiquimod model of psoriasis**
- **No skin irritation potential and systemic toxicities**

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