

**National Seminar**  
on  
**"Recent Trends in Drug Discovery  
Development and Delivery Systems"**  
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# Nanoscale size drug delivery systems: their pros and cons



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**RECENT TRENDS IN DRUG DISCOVERY, DESIGN AND DEVELOPMENT OF AN  
POTENT AND SELECTIVE HEMIACTHETIC PEPTIDES**

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**Introduction:**

- Expression of AHR is elevated in cancer tissues.
- A model for AHR is developed by using knowledge modelling and QSAR analysis.
- Recently developed 2D pharmacophore models are employed to screen 20K database.
- New 3D categories, with suitable ADMET profile, are identified.
- Adenosine was defined as a neurotransmitter which needs to act as a receptor with specific protein coupled receptor (GPCR) receptor. Adenosine receptor and members of  $A_1$ ,  $A_2$ ,  $A_3$  and  $A_4$ .

**Methods:**

**RESULTS: 3D PHARMACOPHORE MODELS**

**Results and Discussion**

21 Chemical  
 21.1. Molecular modelling  
 Molecular modelling applications  
 Molecular modelling applications

**CONCLUSION: MOLECULAR MODELING APPROACH FOR DRUG DISCOVERY**

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