PUBLICATIONS

Research Articles


10. Talluri MVNK, Kalariya PD, Patel PN, P K, Sharma M, Garg P and Srinivas R. Rapid structural characterization of in vivo and in vitro metabolites of tinoridine...
using UHPLC–QTOF–MS/MS and in silico toxicological screening of its metabolites. *Journal of Mass Spectrometry* 2015, **50**: 1222-1233.


**Book Chapter**

**Review/General Article**


**Report**


**Databases/Software Developed**

1. e-scider: A tool to retrieve, prioritize and analyze the articles from PubMed database, to Data Mining and Knowledge Discovery
2. BiAnaCA: freely accessible pharmacoinformatics tool for data analysis of end-point biochemical assay
3. MSubCellProt: Predicting multiple protein subcellular localization using machine learning approaches
4. SubCellProt: Predicting protein subcellular localization using machine learning approaches
5. TBIndia: Directory of R&D capabilities in the field of tuberculosis.
7. ProIntPred: Protein-protein interaction prediction
8. GenMAPP database for fission yeast. A custom Gene Database and MAPP Archives for saccharomyces pombe have been created through collaboration with J. David Gladstone Institutes, at the University of California, San Francisco.
9. Label composition of all the formulations manufactured in India and their market value.
11. Software for predicting blood brain barrier permeability.

**Invited Lectures**


5. **Garg P.** Database Design & Pathways of Drug Metabolism. In SERC Summer School in Modeling and Informatics in Drug Design; S.A.S. Nagar. 2008


**Conferences/Workshop/Abstract**


24. Gupta P, Roy N, Garg P: Docking studies of Tricylic HIV-1 Integrase inhibitors: Implication for two metal ions binding to the active site of integrase. In


27. Agrawal A, Garg P: CoMFA and CoMSIA 3D-QSAR Investigational Study of Piperidin-4-Carboxamide Derivatives as CCR5 Receptor Antagonists. In Bioinformatics and Drug Discovery; University of Hyderabad, Hyderabad, India.


Research Guidance

Ph.D. students guided - 2 (completed); 4 (continuing)

M.S. (Pharm.) students guided - 31 (completed); 16 (continuing)

Projects

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Title</th>
<th>Funding Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>In silico prediction of blood brain barrier permeability using artificial intelligence.</td>
<td>DeitY, GOI</td>
</tr>
<tr>
<td>2</td>
<td>In silico prediction of subcellular localization using artificial intelligence.</td>
<td>DeitY, GOI</td>
</tr>
<tr>
<td>3</td>
<td>Directory of R&amp;D capabilities in the field of Tuberculosis.</td>
<td>NSTMIS, DST, GOI</td>
</tr>
<tr>
<td>4</td>
<td>Development of an in silico model for prediction of the HIV-1 integrase inhibitory activity and biological evaluation of the predicted molecules.</td>
<td>DBT, GOI</td>
</tr>
<tr>
<td>S.N.</td>
<td>Title</td>
<td>Funding Agency</td>
</tr>
<tr>
<td>------</td>
<td>---------------------------------------------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>5.</td>
<td>Practicing Pharmacists Information System</td>
<td>NSTMIS, DST, GOI.</td>
</tr>
<tr>
<td>6.</td>
<td>Development and Upgradation of Formulation Database</td>
<td>NPPA, GOI</td>
</tr>
<tr>
<td>7.</td>
<td>Impact of TRIPS on Pharmaceutical Prices.</td>
<td>MoHFW, GOI</td>
</tr>
<tr>
<td>8.</td>
<td>Development of packing norms</td>
<td>NPPA, GOI</td>
</tr>
</tbody>
</table>