Open Source
Space Exploration
Ahmed Saieed
Web server software used by the top 10,000 sites

Breakdown of “Other”

Data sources: Alexa (site list), Pingdom (data collection & analysis)
OSDD is a community of students, scientists, researchers,. academicians, institutions, corporations and anyone who is committed to discovery of drugs in an open source mode.

http://www.osdd.net/who-we-are
## OSDD Portfolio

### DISCOVERY

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<th>Ligand Based</th>
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<td>Large scale data mining to identify phytochemicals with anti-tubercular properties</td>
<td>Screening of 20,000 drug like compounds from Chembridge Database (CSIR-IIIM)</td>
<td>Thiophene containing trisubstituted methanes CDRI-SO06-830 (CSIR-CDRI)</td>
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<td>Rv2753c (dapA)</td>
<td>Generation and optimisation of Anti-TB models from Pubchem bioassay datasets</td>
<td>Screening of large number of in-house molecules and compounds submitted to OSDDChem (CSIR-CDRI)</td>
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<td>• Compilation and creation of datasets from PDB</td>
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### OSDD PROJECTS: Drug Delivery / Diagnostics / Immunotherapy

- Small molecule mediated immunotherapy
- Improved chemical entities as anti-tubercular agents targeting the respiratory pathway of organism through co-crystal engineering
- Integrated optics approach to non-invasive medical diagnostics
- Transcript profiling of macrophages exposed to TB drugs and drug microparticles
- Regression of the growth of *M. tuberculosis* by lipated promiscuous peptide
- Nanoparticle based drug delivery system for Isoniazid
- Validating potential protein-protein interactions of *M. tuberculosis* H37Rv utilizing M-PFC
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9 days ago

Mini Mechanical Excavators by guich2597
1 month ago
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Open source

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Open source as a philosophy promotes a universal access via free license to a product's design or blueprint, and b) universal redistribution of that design or blueprint, including subsequent improvements to it by anyone.
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Open-source-appropriate technology (OSAT) refers to "appropriate technology" (technology that is designed with special consideration to the environmental, ethical, cultural, social, political, and economical aspects of the community it is intended for) that are designed in the same fashion as free and open-source software; that is, developed in the open and licensed in such a way as to allow their designs to be used, modified and distributed freely.\[1\]
Open-source-appropriate technology (OSAT) refers to "appropriate technology" (technology that is designed with special consideration to the environmental, ethical, cultural, social, political, and economical aspects of the community it is intended for) that are designed in the same fashion as free and open-source software; that is, developed in the open and licensed in such a way as to allow their designs to be used, modified and distributed freely. [1]
1. Introduce yourself in 3 phrases.

[2 mins]
2. Share your story with Open-Source. [10 min]
3. How can we share, collaborate and accelerate low-cost space exploration in an open-source format?

[Open Brainstorming]
Thank you! :)

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