

Review on the applications of Internet and Computers in Chemical sciences

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Abstract:

Use of Internet is essential as per the dawn of twenty first century. In Chemical, sciences there is tremendous transformation occurred due to the use of computer software's and internet. This review predominantly emphasizes on the numerous applications, software and use of computers in chemistry.

In this overview all the aspects of internet and computer software has been discussed.

Keywords:

Chemical sciences, software, Internet, use, etc.

Introduction:

In current decade every stream has been takeover by the computers in the form of software or technology. Due to this revolution, use of computer and internet makes drastic changes in the field of research. Initially in Chemical sciences, computers are used for writing and drafting of matter and internet was available as the source of references. However, in modern decades, the horizon of chemical sciences has been changed because of new mutation in the field of computer science. Various software and technology has been available in the market. All such information has been overviewed in current review of applications of internet in chemical sciences.

Internet and computer:

There are various online and offline software or websites available through the internet search. Some of them has been enlisted below:

- 1] Chems sketch: This software has been used for to draw the structures and calculate some of aspects of molecules.
- 2] Chemdraw: Chemdraw is used as similar to that of Chems sketch.
- 3] Moldraw: Along with drawing the structures, this software gives 3D view of molecules.
- 4] MOPAC: It is nothing but the molecular orbital package.
- 5] Gaussion: This software is utilized in computational chemistry.
- 6] Dock: In drug design such program has been used.
- 7] CP2K: This is widely used in quantum chemistry and solid state chemistry.
- 8] Scifinder: This is online web search available in the field of research.
- 9] DL_POLY: It is a molecular dynamics simulation software.
- 10] Jaguar: It is used for ab initio and density calculation.

Rather than this number of software and websites are available on internet.

Conclusion:

There are many software has been available in few year which assists simplification of data. Also due to them conventional burden of analysis and calculation of data has been avoided. The software tools and more computing data helps us to strengthen the research. This review hopefully includes few of most useful software tools available on internet.

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