

Seminar

BSc III

INTERNET OF THINGS

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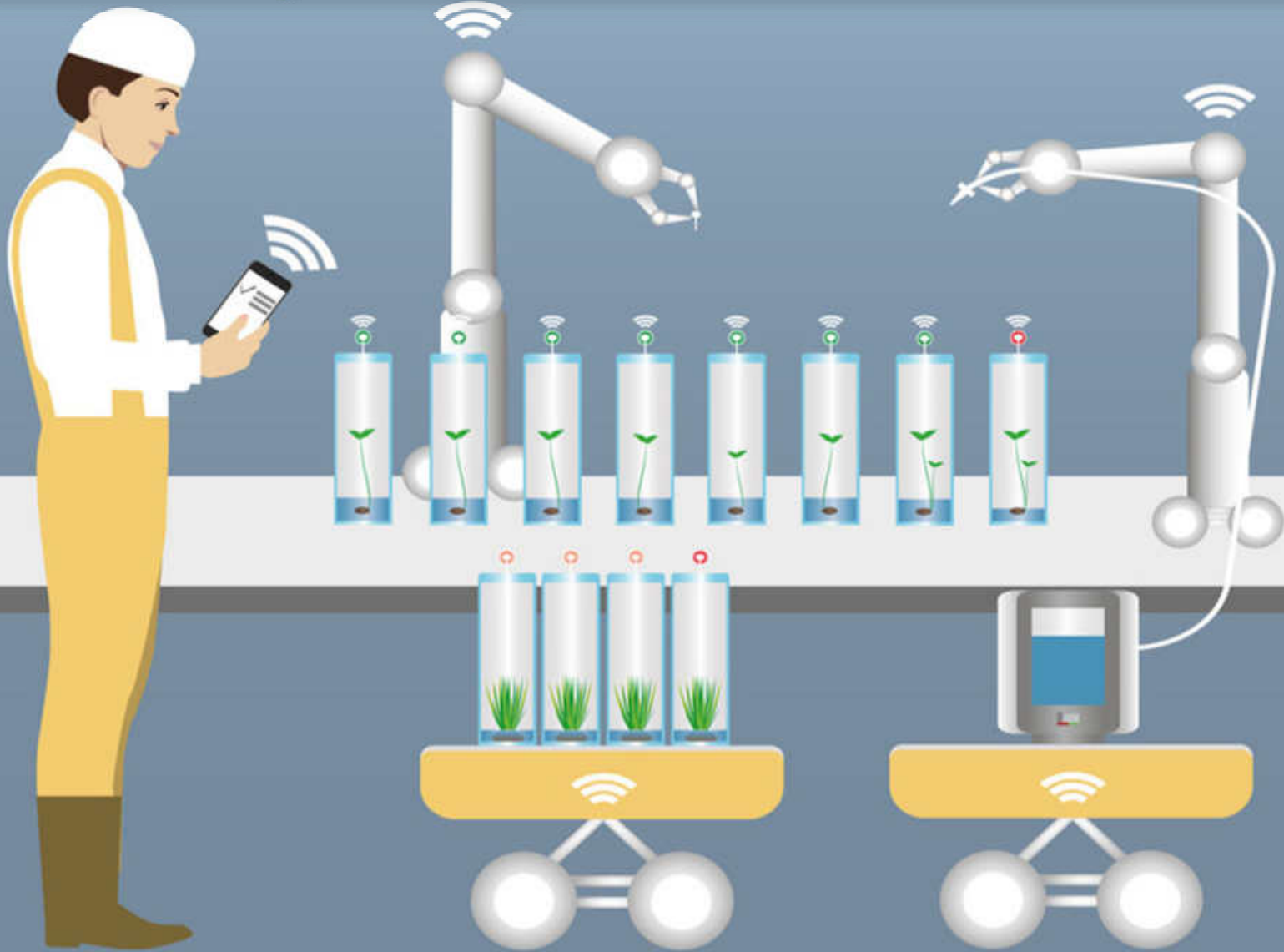
Padmabhushan Dr Vasantodada
Patil College, Tasgaon.

Dist. Sangli



Presentation

INTERNET OF CHEMICAL THINGS



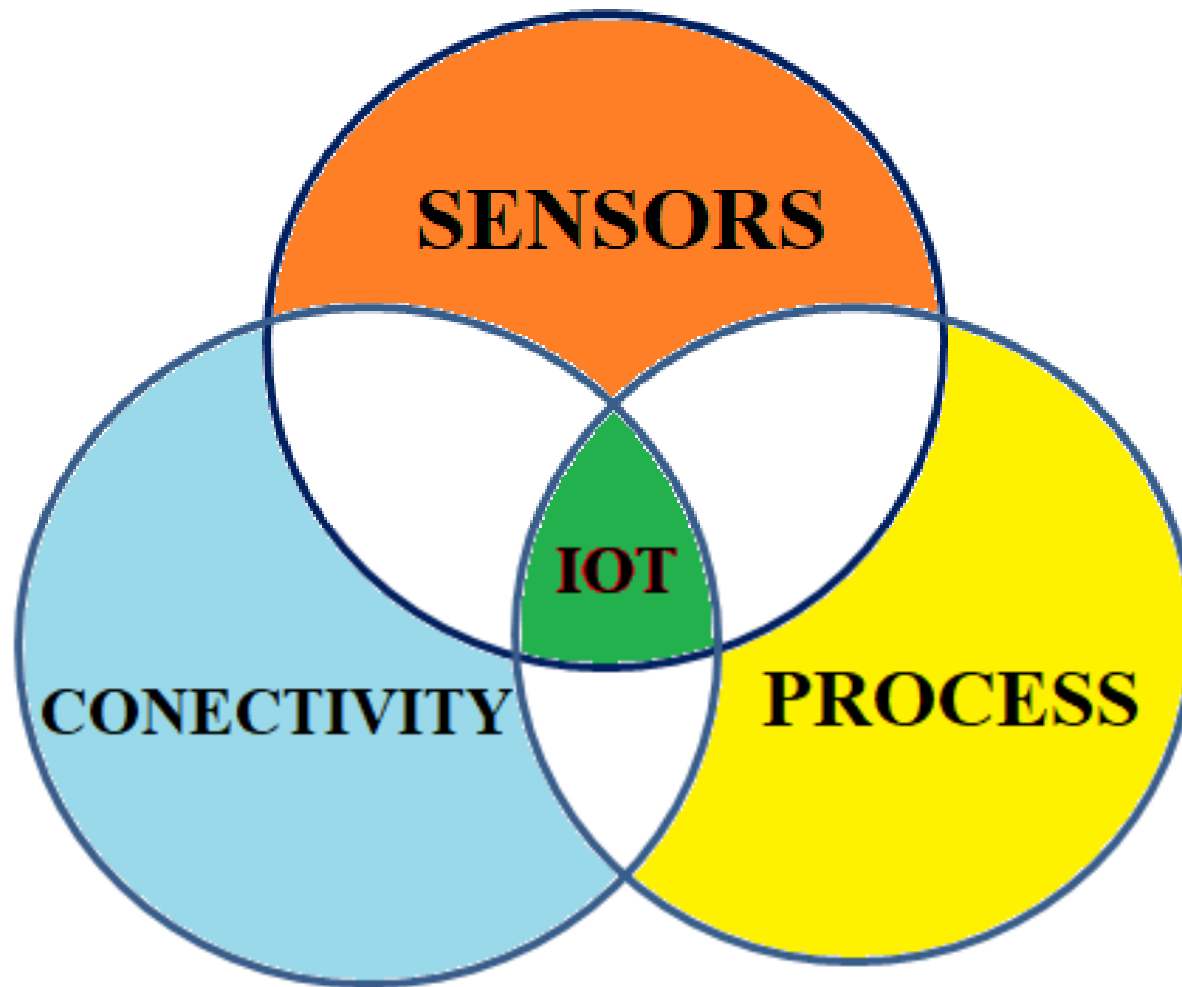
IOT

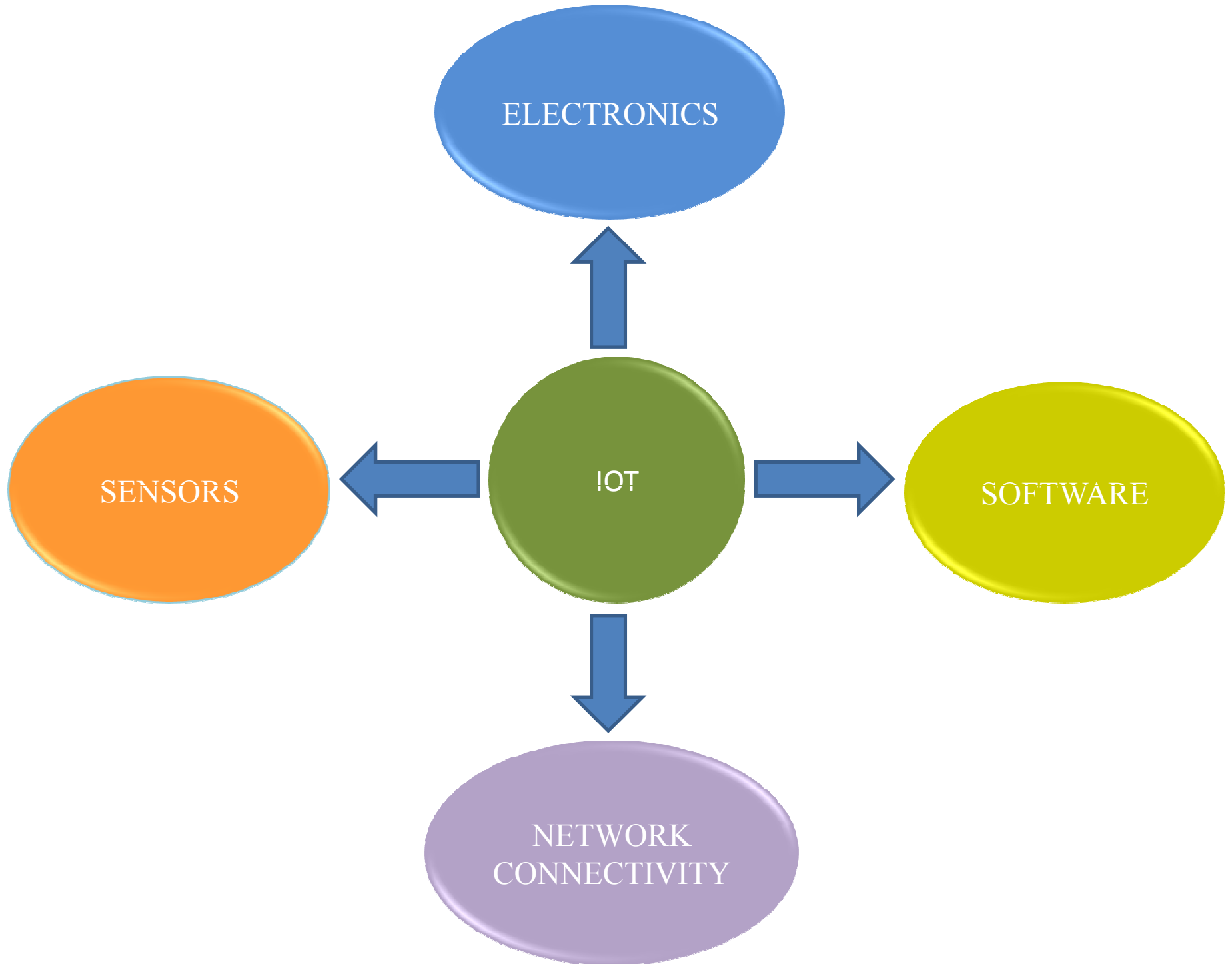
The *Devices* that *collect* and *Transmit*
data via *Internet*

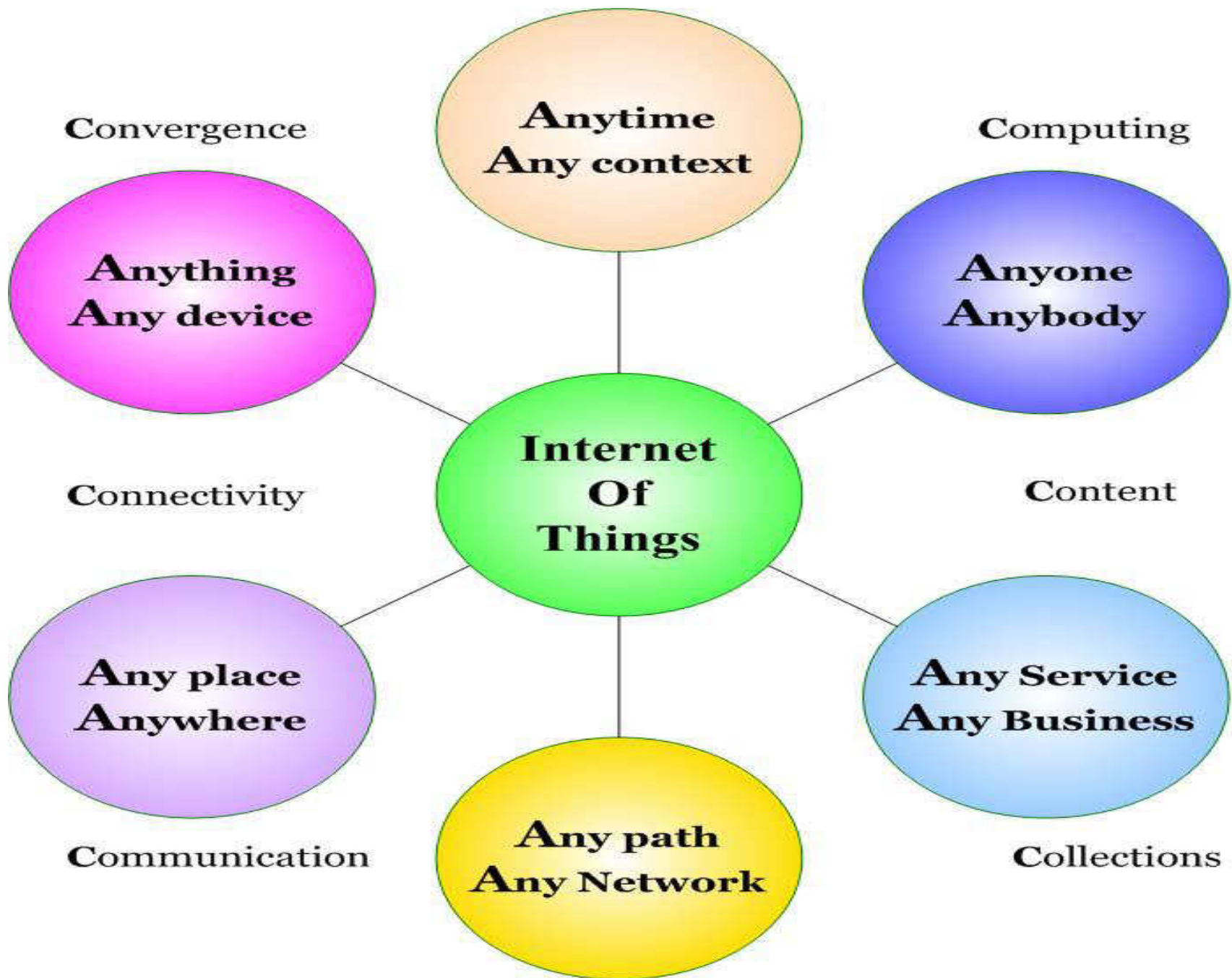


IOT in Daily Life









Industrial

Pharmaceutical

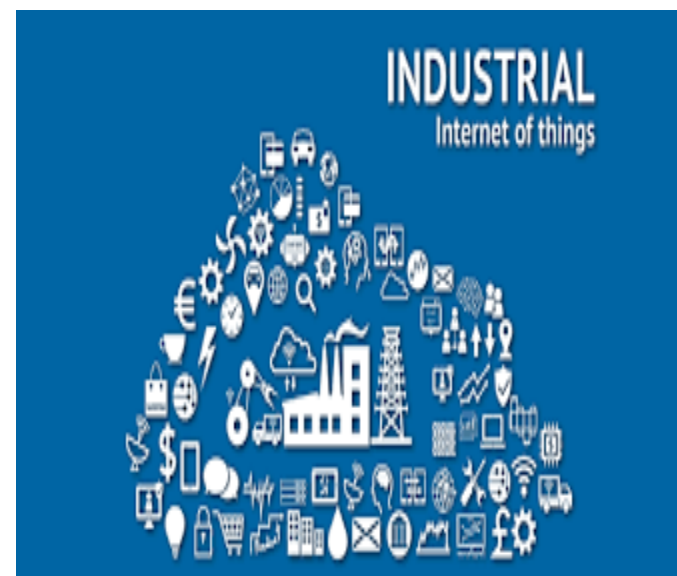
IOCT

Environmental

Agricultural

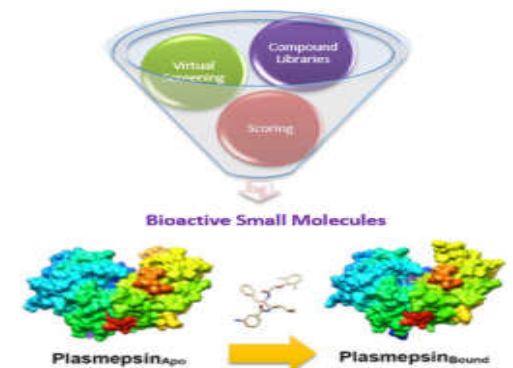
INDUSTRIAL

- ✓ To build up Industrial Parks.
- ✓ Revolutionize productivity and increase efficiency for Chemical processing companies.
- ✓ To study the mechanism in given reactions.
- ✓ Waste Managements.

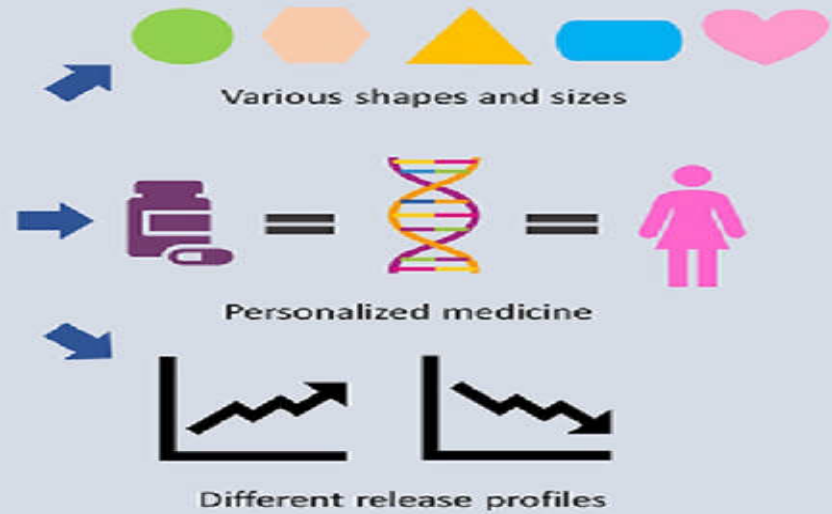
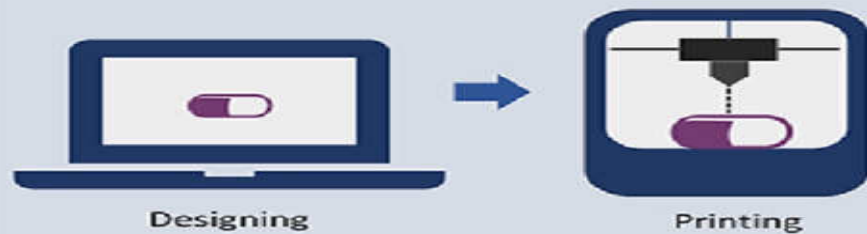


PHARMACEUTICAL

- ✓ **Pharmaceutical Supply Chain Risk management**
- ✓ **Minimize adverse drug reactions and improve drug compliance**
- ✓ **In Silico Study**



3D PRINTING: DRUG DELIVERY



“one size does not fit all”





AGRICULTURAL

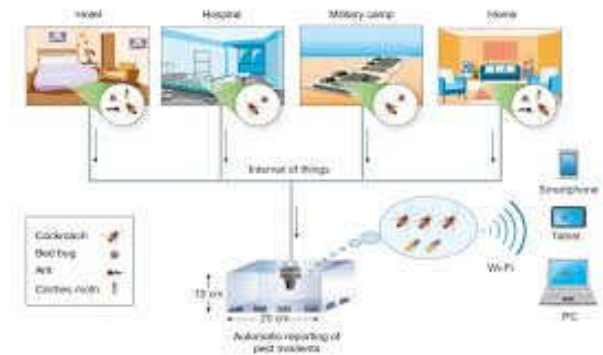
✓ **Weather Monitoring**



✓ **Crop Management**



✓ **Management of Insecticides and Pesticides**



ENVIRONMENTAL

➤ Pollution Control



uc3m

➤ Waste managements

Waste management

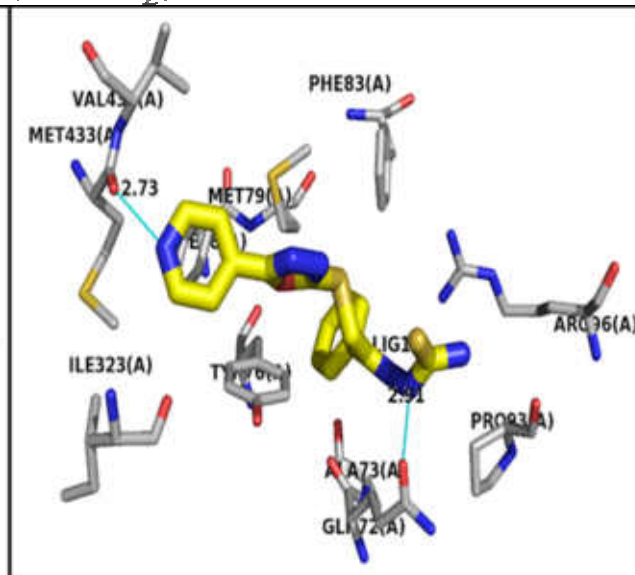
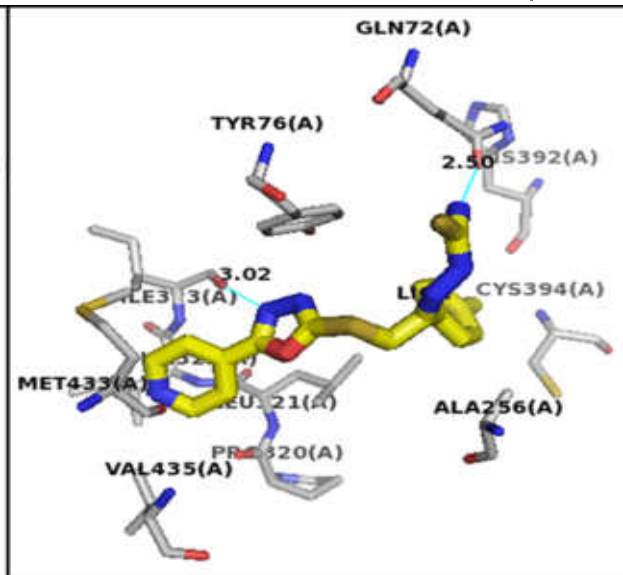
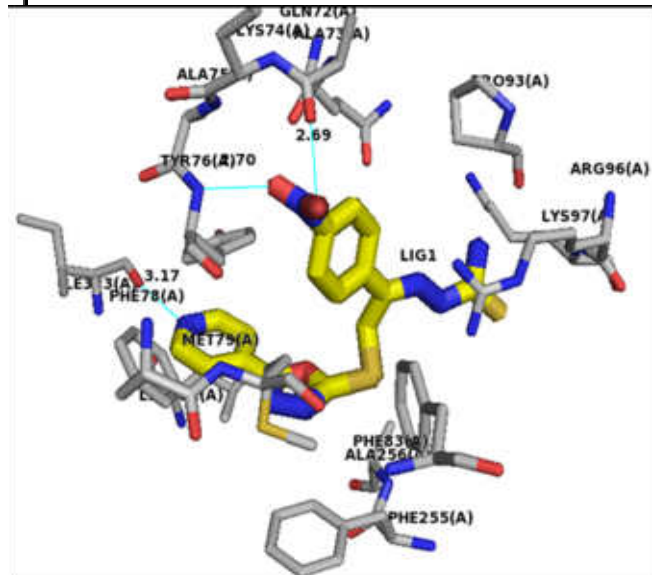
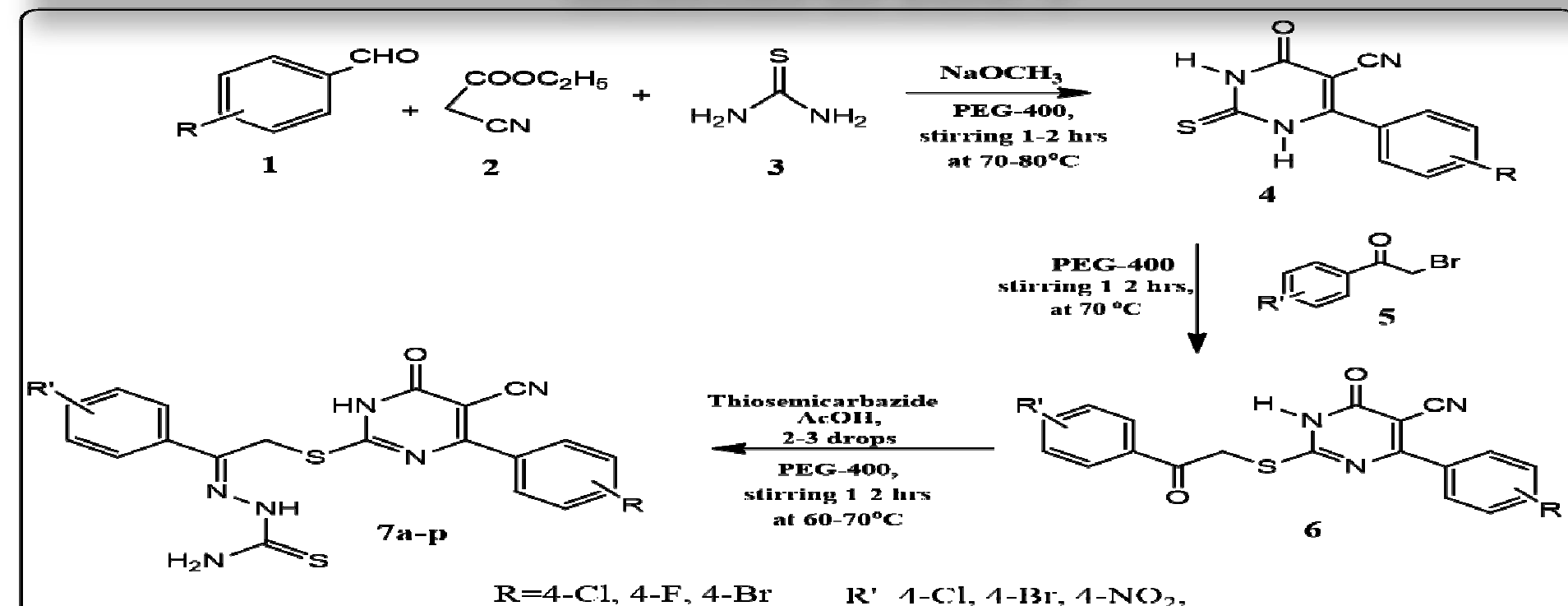


<https://arxiv.org/pdf/1307.6198.pdf>

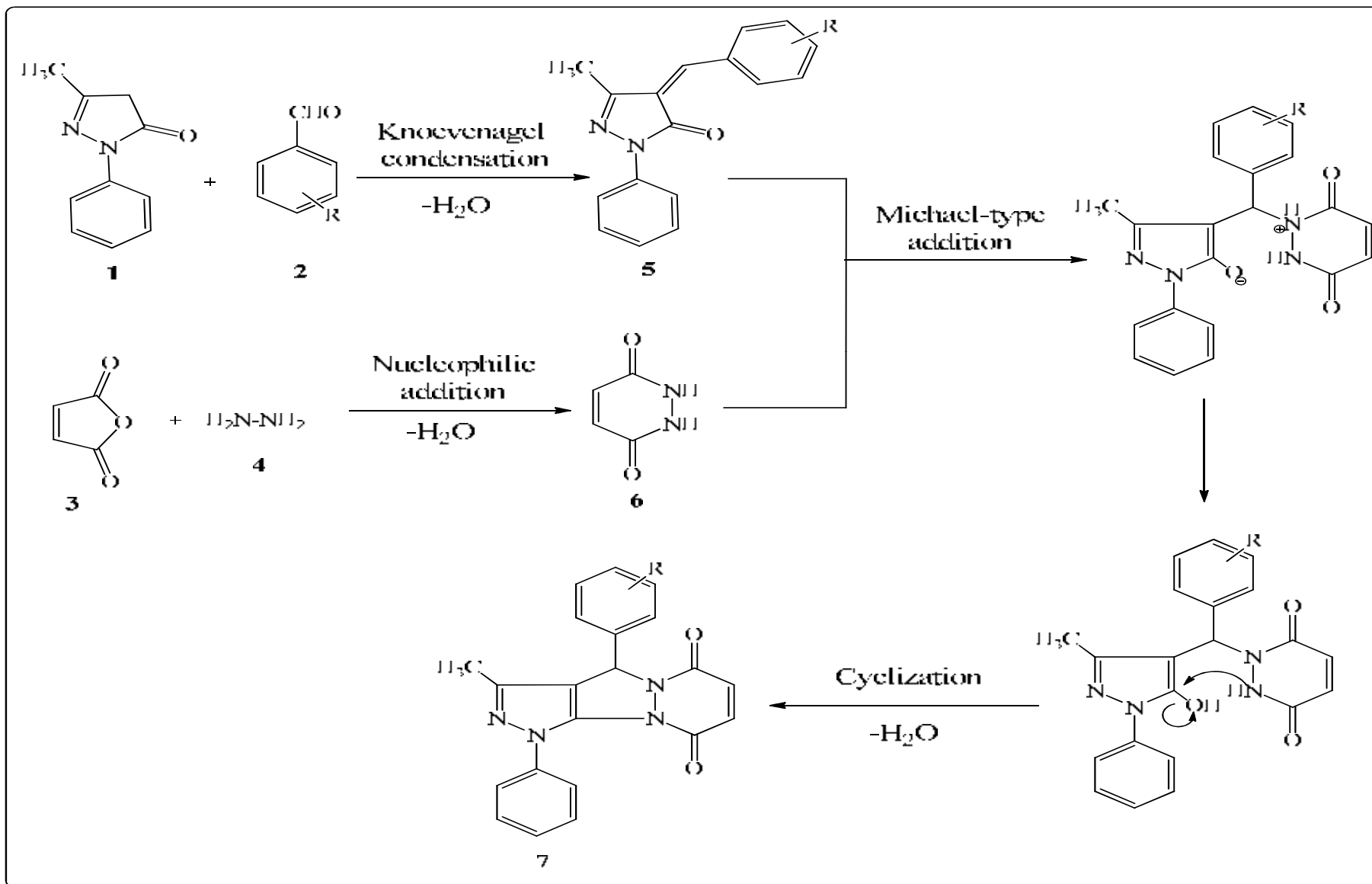
➤ Biodiversity

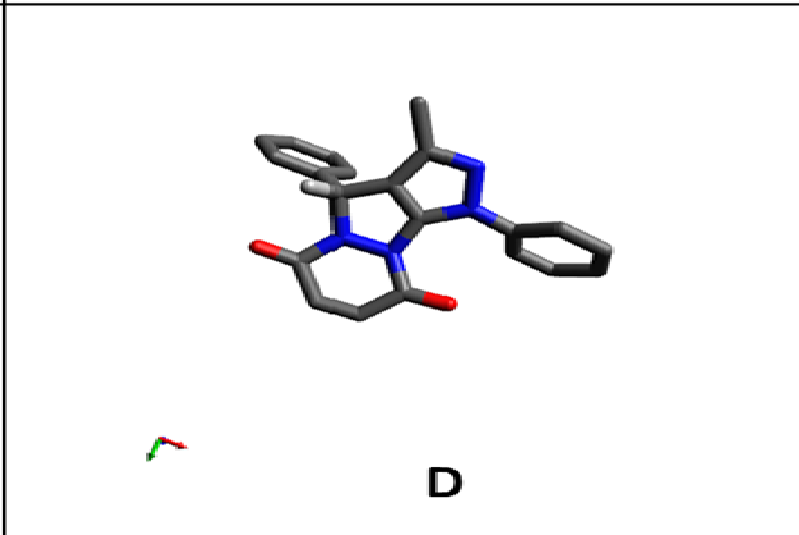
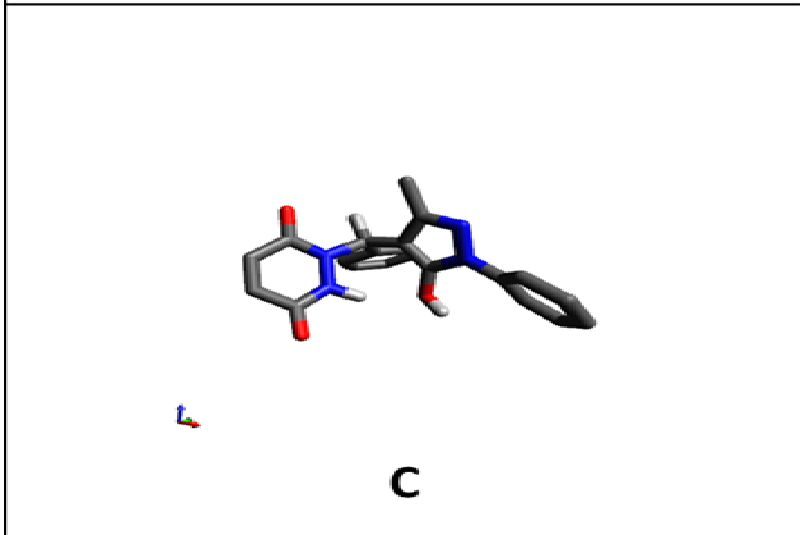
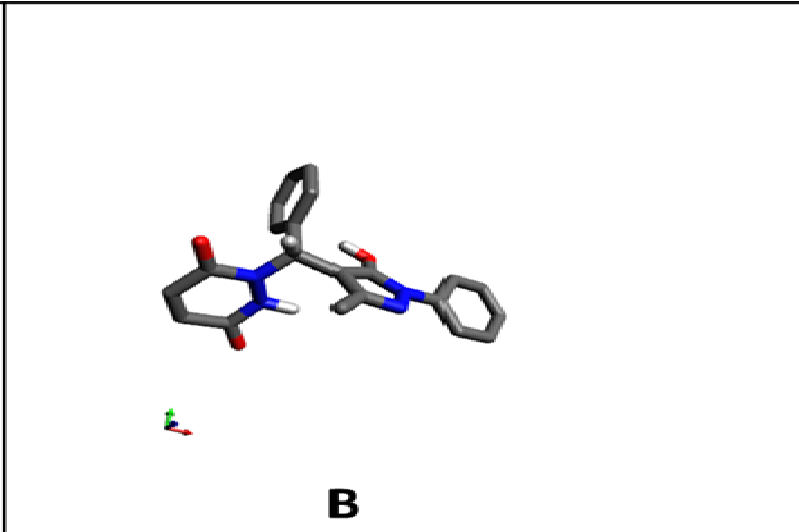
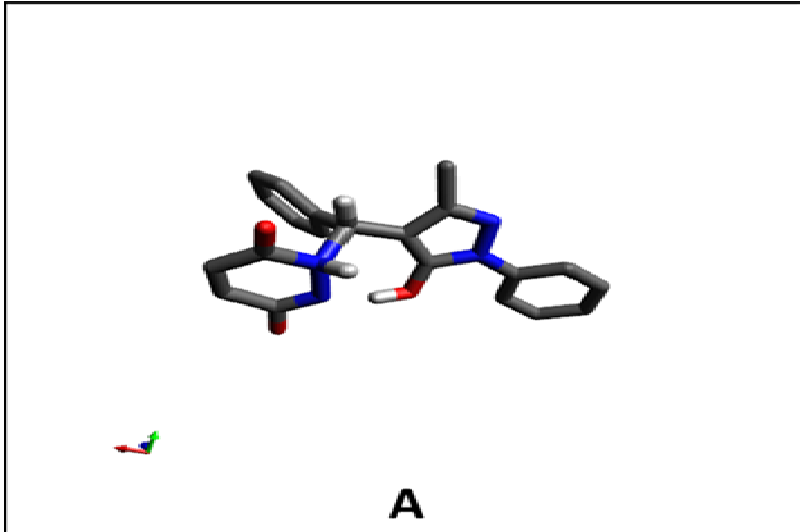


Benefits of IOCT



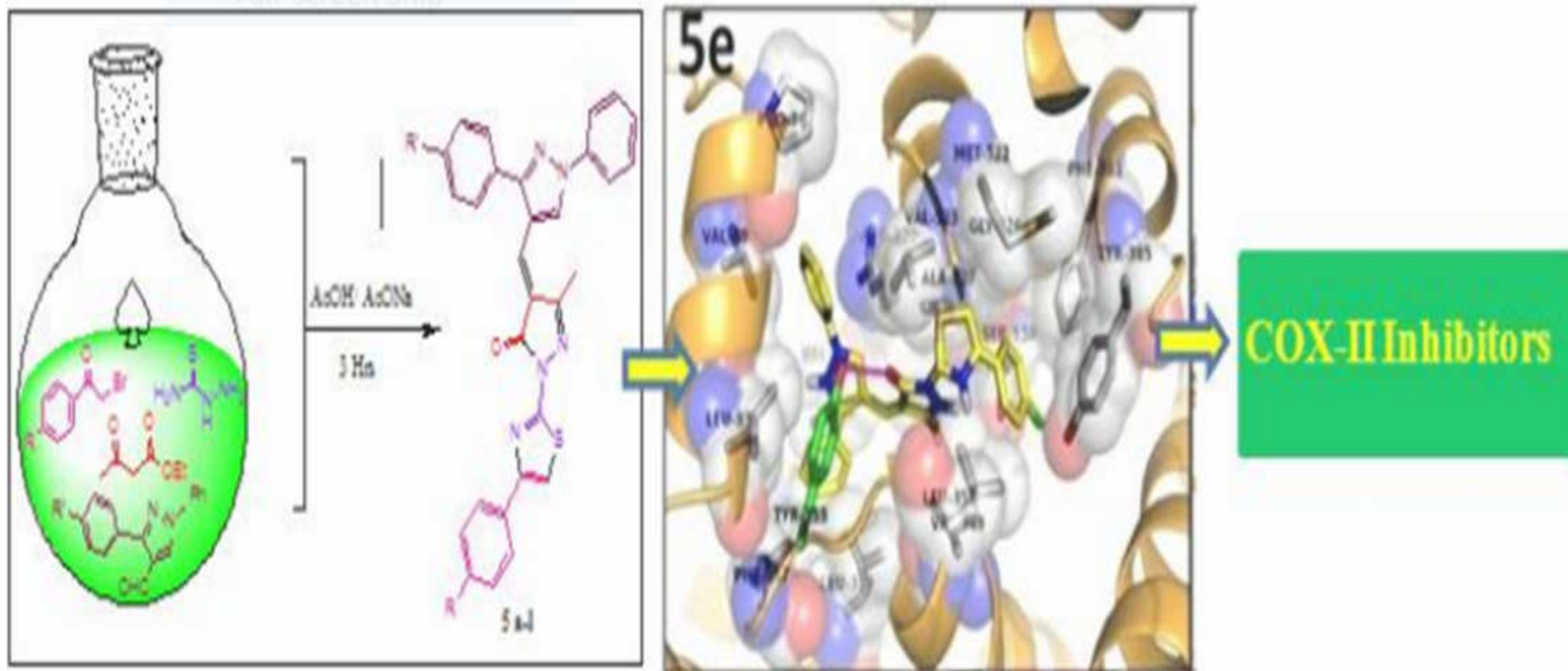
Study of Reaction Mechanisms





In Silico Study for Molecular Docking

Full-screen Snip





*Thank
you*