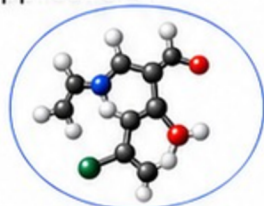


QSAR:

From Molecular Data to Predictive Models

Learn QSAR concepts and build predictive models using Python and Visual tools through hands-on sessions and real-world applications.



**MOLECULAR
DATA**



1.2	0.5	-1.3
0.5	2.1	2.7
2.5	0.3	3.7
-0.7	0.3	1.7
-0.7	2.4	2.3
-0.7	2.4	3.3

**MOLECULAR
DESCRIPTORS**



**MODEL
BUILDING**



**PREDICTIVE
MODELS**



WHAT YOU WILL LEARN

- 1 QSAR Concept, Applications & Workflow
- 2 Data Collection & Molecular Formats
- 3 Python Basics for QSAR
- 4 Descriptor Calculation
- 5 Data Processing using Python and Pandas
- 6 Linear Regression, Random Forest, Model Training, Decision Tree, Xgboost, and MLP
- 7 Model Validation & Visualization
- 8 Visual QSAR Pipeline, Workflow Creation



PROGRAM DETAILS



DATES

17 - 26 Aug. 2026



TIME

6:00 - 7:00 PM (IST)



DURATION

8 Days | 1 Hour per Day



MODE

Online (Live Interactive Sessions)



WHO SHOULD ATTEND?

Students, Researchers, Scientists, Academicians & Professionals in Pharma, Biotech, Agriculture, Chemistry, Data Science and related fields.



COURSE INSTRUCTORS

Dr. Ajitha Antony

Bioinformatics Trainer, CBIRT

Dr. Tamanna Anwar

Organizer & Founder, CBIRT



REGISTER NOW!



SCAN TO REGISTER

REGISTRATION CLOSING DATE

16 Aug. 2026



TOOLS YOU WILL WORK WITH



ChEMBL



PubChem



Jupyter
Notebook



RDKit



Python



Pandas



Scikit
learn



Matplotlib



Seaborn



KNIME



WHY JOIN THIS PROGRAM?



Hands-on learning with real datasets and tools



Practical Python skills for QSAR modeling



Build, validate and visualize predictive models



Create workflows visually and compare with Python



Certificate of Completion

CONTACT US



www.cbirt.net



info@cbirt.net

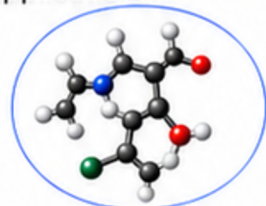


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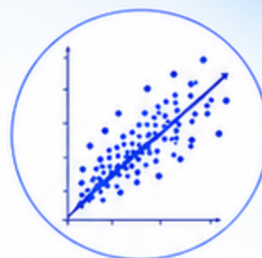


**MOLECULAR
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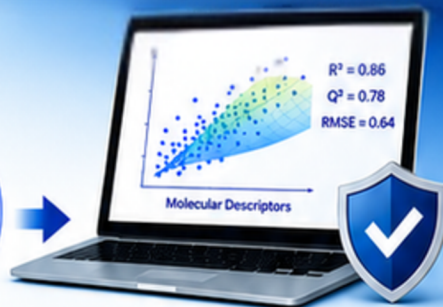


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**MOLECULAR
DESCRIPTORS**



**MODEL
BUILDING**



**PREDICTIVE
MODELS**

Training Registration

To register for the workshop, please submit the registration form. We accept multiple payment methods to ensure a convenient and secure registration process.

Scan the QR Code for
the Registration Form



Registration Fee



STUDENTS
UPTO MASTERS
INR-2000

PH.D
INR-2500



POSTDOC/RESEARCH SCHOLARS
INR-2750



STAFF/FACULTY
INR-3000



INDUSTRY PROFESSIONALS
INR-3500



INTERNATIONAL PARTICIPANTS

(Including all Living, Working, or Studying Abroad at the time of the Workshop).

STUDENTS
UPTO MASTERS
USD 40

PH.D
USD 50

**POSTDOC/
RESEARCH SCHOLARS**
USD 55

STAFF/FACULTY
USD 60

**INDUSTRY
PROFESSIONALS**
USD 65

