**KIRAN KUMAR BABBUR**

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**Profile Highlights**

* A Professional drug discovery Medicinal Chemist with more than 9 years of research experience in R&D sector.
* Experience in using various drug discovery softwares like schrodinger, Discovery Studio,Material Studio, SYBYL,Simulation Plus,V-Life sciences.
* Established expertise in computational chemistry/CAD/insilico approaches, and in particular in structure-based drug design, including docking and compound design and SAR analysis
* Experience in working with medicinal chemists in structure-based discovery projects, incorporating knowledge of small molecule properties and drug-likeness.

**Qualifications**

* 2011 **Bharat Institute Of Technology (JNTU)**

M.Pharmacy (Pharmaceutical chemistry)-74%

Key modules: Advanced Medicinal chemistry, Advanced Organic Chemistry, Drug Design, Modern Pharmaceutical Analytical Techniques

* 2009 **Gokaraju Rangaraju College Of Pharmacy (Osmania University)**

B.Pharmacy - 76%

Key modules:Pharmaceutics,Medicinal&Organic chemistry,Pharmaceutical Analysis,Pharmacology

* 2005 **Nagarjuna Junior College (Board Of Intermediate)**

Intermediate - 92%

Key modules: Botany, Zoology, Physics, Chemistry

* 2003 **Hindu Public School (CBSE)**-72%

**Research experience**

Currently working in **NATCO Research Center,** Sanathnagar, Hyderabad as Senior Executive (R&D) in Molecular Modelling Department from March 2012 to till date.

2010-11, **Internship, NATCO Research Center,** Sanathnagar, Hyderabad **Project Title:** Virtual Screening Of Novel Fluoxetine Analogs using AutoDockVina.

**Drug Discovery Skills**

* Identification of **New Chemical Entities** by virtual screening using various docking Softwares
* Medicinal chemistry and SBDD.
* Pharmacophore modelling and 3D QSAR approaches.
* Homology modelling,protein sequence alignment,similarity search.
* Binding Free energy calculations using Molecular mechanics, Quantum mechanics, Molecular Dynamics.
* Insilico prediction of ADMET and Toxicological behaviour of drug (TOKAT,DEREK,SARAH).
* Computer Aided Drug Formulation studies using Material Studio

**Publications**

**1**.Shrivastava A, **Kumar BK**, Prasad DK (2017) Molecular Docking Studies: The Success Should Overrule the Doubts? J Proteomics Bioinform 10:202-206. doi: 10.4172/jpb.1000442.

**2**. Shrivastava.Awantika, **Kiran Kumar.B**, Durga Prasad.K, A.K.S.Bhujanga Rao.(2016).INSILICO RECEPTOR AND LIGAND BASED APPROACH FOR IDENTIFYING THE R GROUPS OF SELECTED PI3K SCAFFOLD. 4. 6-12. 10.20530/EJB\_4\_6-12.

**Key Skills**

* Proficient in working with different Molecular Modelling softwares like **Autodock Vina, Autodock, Discovery Studio, Ligand Fit, C-Docker, Material Studio,SYBYL,Schrodinger,Gastroplus.**
* Working Knowledge of Microsoft Office(Word, Access, Power Point and Excel) Confident in the application of the internet for research purposes.
* Advanced analytical & lateral thinking, data analysis and critical problem solving skills.
* Fluency in written and oral English.

**Strengths**

* Good communication and interpersonal skills.
* Patience, Perseverance & Tolerance.
* Highly selfmotivated and able to work independently with excellent time management

**Personal Details**

Name : B.Kiran Kumar

Father’s Name : B.Srinivas Rao

Date of Birth : 21-06-1987

Gender : Male

Religion : Hindu

Languages known : English, Hindi & Telugu.

Address for

Correspondence : SRT-782, Sanathnagar

Hyderabad-500018

Place: - Hyderabad

Date:

**(B. Kiran Kumar)**