# ISUKAPATLA HARITHA

Master of Science (M.S). (Pharm). Department of Medicinal Chemistry,

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# CAREER OBJECTIVE:

To be associated with focused determined work as a passionate and disciplined individual which can provide me with a dynamic work to inherent my skills as a professional use and develop my career in progress.

# RESEARCH INTERESTS:

* To design the synthetic molecules that uses principles of organic chemistry, biochemistry and that interfaces between chemical biology and molecular modelling aspect of determining the molecule with the biological activity of molecule.
* The molecule properties that prioritizes the benefit of the treatment of various diseases.

# ACADEMIC PROFILE:

2017-2019 -Master of Science M.S. (Pharm), Medicinal Chemistry, NIPER Kolkata with CGPA 8.64.

Project trainee under guidance of Dr. R. Natarajan, Principal scientist at CSIR-Indian Institute of Chemical Biology, Kolkata, India.

2013-2017 -Bachelor of Pharmacy, Vignan Institute Of Pharmaceutical Technology, Affiliation to Jawaharlal Nehru Technological University, First class with distinction with 84%. Received JNTUK- Prathibha Award –A prestigious award for the meritorious students in state government of India for the Under Graduate in Bachelor of Pharmacy.

2017 -Qualified Two National Level Entrance Examinations for the postgraduate studies in INDIA.

GPAT 2017 and NIPER-JEE 2017 got two year fellowship (2017-2019) for pursuing master program by Ministry of Chemical and Fertilizer, Govt. of India.

2013 -Qualified Engineering Agricultural and Medical Common Entrance test (EAMCET) and earned a Government funded seat for undergraduate studies with 93% in the Board of Intermediate studies.

2010 -Scored 89% in the Secondary School Examinations (SSC) by the state board of Andhra Pradesh, India.

2007 **-**School Level: District 2nd topper at 7th class public examinations conducted

By State government, Andhra Pradesh.

# RESEARCH BACKGROUND:

**M.S (Pharm) projects:**

* Synthetic Anion Receptors and Transporters. (Anion transporters that induces apoptosis and disrupts cell autophagy and the anion role as transporter that permeates across cell lipid membrane and the concept is to functionalize the role of anions in the cell.)
* Design of the co-crystal for 5-Fluro Uracil with dicarboxylic acids.
* Synthesis and Biological Efficacy Studies of Some New Hybrid Molecules as EGFR Inhibitors

# B.Pharmacy Projects:

* Method Development And Validation Of Visible Spectrophotometric Method For Estimation Of Ebastine In Pharmaceutical Formulation.
* Design and Statistical Optimization of Acyclovir Loaded Hollow Microspheres using Cellulose Acetate.

# PUBLICATIONS:

* Shailaja Pashikanti, Lokesh Srinivas Vanapalli, Haritha Isukapatla, Prasanna Jonnada, Arun Santhosh K.S., Ramkishan Ajmeer, Swathi Putta and Bhavani Boddeda\*, Design And Statistical Optimization Of Acyclovir Loaded Hollow Microspheres Using Cellulose Acetate, *EJBPS* , **2017**, 4 , 443-453.

# PRESENTATIONS:

* Presented Poster Presentation On Formulation And Evaluation Of Pioglitazone Hydrochloride Gastro Retentive Floating Microbeads at 68th(IPC)Indian Pharmaceutical Congress, Visakhapatnam.
* Poster Presentation on Stereochemistry In Drug Design as a Two-Day Inter College Tech Fest Organised by Vignan Group Of Educational Institutions.
* Oral presentation in Natural Compounds As Promising Agents at Vignan Institute of Pharmaceutical Technology.

# SEMINARS AND CONFERENCES:

* Attended seminar at CSIR - Central Glass and Ceramic Research Institute in association with West Bengal Pharmaceutical Association on Future GMP Compliance.
* Attended One Day CME on Patient Safety & Pharmacovigilance.
* Attended the INDIAN PHARMACEUTICAL CONGRESS (IPC) conducted by IPCA-Pharmacists Association in INDIA.
* Attended seminar on Emergence Strategy on Impurity Profiling at Raghu College of Pharmacy.

# INTERNSHIPS &TRAINING:

* A training programme conducted by handling and solving the X-Ray crystal structure for small molecules and peptides by the BRUKER.
* Training program on Laboratory Safety, Biosafety, Chemical Safety, Radiation Safety and Fire Safety in CSIR-IICB Kolkata, 2018.
* Completed a Two weeks National skill development Training Programme on Quality control of biological at National Institute of Biologicals (NIB), Ministry of Health & Family Welfare, Government of India.
* Seminar and training on One Day at T.C. Healthcare Pvt. Ltd. Modinagar, Delhi.
* Worked as an intern in Veras Pharmaceuticals Pvt Ltd,Vizinagaram, Andhrapradesh at Quality Control and Assurance departments from May - June 2016.

# ACADEMIC ACHIEVEMENTS & SCHOLARSHIPS:

* GPAT-AICTE Fellowship (2017-2019, NIPER-Kolkata, Dept., of Ministry of Chemicals &

Fertilizers, India.)

* Qualified GPAT and NIPER – National Level examinations for the Postgraduate studies.
* Received JNTUK- Prathibha Award –1% among the 1lakh students. A prestigious award for

Meritorious students in state government of India for the Under Graduate in B. Pharmacy.

* Received District level award as stood top 2nd among the 3lakhs students for 7th grade public examinations conducted by the state board of Andhra Pradesh.

# SCIENTIFIC SKILLS:

* Synthetic molecules design and analysis.
* Crystal Data Interpretation.
* High Performance Liquid Chromatography and Flash chromatography.
* Dissolution apparatus, UV-Visible Spectrophotometer.
* Fluorescence spectroscopy.
* SEM studies, LC-MS Analysis, NMR and Mass Interpretation.
* Gel- Electrophoresis, PCR techniques, SDS-PAGE.
* Cell Culture Studies.
* Fluorescence and Confocal Microscopy studies.
* Flow Cytometric Assays.
* *In Vivo* Animal handling models.
* Docking studies using Autodock4, AutodockVina, PyRx, Discovery studio.
* Molecular Visulation using UCSF Chimera, PyMOL and VMD.
* Schrodinger suite for purposes such as docking using glide Tools, Pharmacophore modeling using Phase etc

# PERSONAL DETAILS:

* Father Name : I. Venubabu
* Mother Name : I. Ramana Kumari
* Languages Known : English ,Hindi, Telugu
* Nationality : Indian
* Date of Birth : May 02
* Gender : Female
* Married Status : Single

# DECLARATION:

I hereby declare that above stated details and information are true and correct to the best of my knowledge.

# Place: Visakhapatnam

**Date: 13-11-2020**

**HARITHA ISUKAPATLA**