

CURRICULUM – VITAE

Kesana Veekshitha

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CAREER OBJECTIVE

- A flexible and innovative individual intend to build career in various fields of **Biotechnology, Computational Biology, Drug Designing** by being part of dynamic and progressive Research Organization where I can explore myself fully.

Current Position

- 🚩 Currently employed as Project **Junior Research Fellow (JRF)**, sponsored by Department of Biotechnology (DBT), working on “**Development of small molecule inhibitors for Chikungunya virus and Japanese Encephalitis Virus**”, at **CSIR-Central Drug Research Institute, Lucknow (U.P.)**

- 🚩 **Tenure:** Dec 2020 to Feb 2023

QUALIFICATION

Institute	Course/Class	Percentage/SGPA	Year of Passing
Dept. Of Biotechnology, MLSU, Udaipur	M.Sc Biotechnology	7.83	2017-2019
Mewar Girls College, Chittorgarh	B.Sc. Biotechnology	66.07	2014-2017
Guru Nanak Public School	Higher Secondary School	61.6	2012
Hind Zinc School	Secondary School	74.48	2010

EXAMS QUALIFIED

- Graduate Aptitude Test in Engineering (**GATE- Life Science, 2021**) (valid till 2024)
- Indian Council of Agricultural Research (**ICAR) JRF, 2020** (expired)
- **CSIR-NET LIFE SCIENCE (LECTURSHIP) OF DECEMBER 2019 (AIR-37)**
- **IIT JAM- BIOTECHNOLOGY, 2017**

Scientific Societies-Membership

- **Indian Virological Society** (Life Membership)

DETAILS OF DISSERTATION / TRAINING / WORKSHOPS

- Participated in **Python Fundamentals Workshop** organized by **1stepGrow** from 19th September to 20th September 2022.
- Participated in 12-week online course on **Machine Learning for Chemistry and Drug Design** organized by **iHub-Data, IIIT Hyderabad** from 16th March to 15th June 2022.
- Dissertation Project on “**Molecular Modelling of Human Glycogen Synthase Kinase-3 Alpha and Pharmacophore Based Identification of Potential Anti-Alzheimer’s Agents** “at **CSIR-Central Drug Research Institute, Lucknow (U.P.)** from February 2019 to August 2019.
- Workshop on “**Academic Publishing for Quality Research: How to Get Published & Avoid Pitfalls**” at **CSIR-CDRI, Lucknow** organized by **Wiley**.

- Hands-on **Workshop** on “Advanced **Molecular Biology Techniques and Bioinformatics**” held at TMC-**ACTREC** (Tata Memorial Centre-Advanced Centre for Treatment, Research and Education in Cancer) Navi Mumbai, Maharashtra.
- Attended Summer Training in **Bio-Technology** (Micro-Biology, Molecular Biology, Protein Purification & Expression, and Bio-informatics for 6 Weeks from May 16th to June, 25th 2016) at **Birla Institute of Scientific Research, Jaipur**.

DETAILS OF ATTENDED CONFERENCES/SEMINARS

- Webinar Series on “**Biostatistics**” organized by **Empowering Science Foundation** from 12th September to 17th September 2022
- 8th International Symposium on “**Current Trends in Drug Discovery research (CTDDR): Ageing Associated Metabolic & CNS Disorders**”, 2022 organized by **CSIR-Central Drug Research Institute, Lucknow**.
- International Conference on “**Science, Technology & Public Health**”, 2020 Organized by **S.N. Medical College, Agra, ICMR-JALMA, Agra & CSJMU, Kanpur**
- International Congress on “**Phytocosmetics, Phytotherapeutics and Phytoneutraceuticals**”-2018, **MLSU, UDAIPUR**. (Volunteer and participation)
- National Seminar on “**Cancer Prevention & Treatment**”- 2017, **Rajasthan University, Jaipur**.
- National Seminar on “**Bio-Diversity, Conservation & Eco Tourism**”, 2016, **M.P. P.G. College, Chittorgarh**.
- National Conference on “**Frontiers in Research & Development on Agriculture, Biomedical, Chemical and Pharmaceutical Sciences**”, 2016, **Mewar University, Gangrar**.

PAPER(S)/ABSTRACT(S)/POSTER PUBLISHED:

- “**Microarray Technology: Transcending Towards New Era of Gene Expression and Its Potential Applications**”-2019 in *International Journal of Science & Engineering Development Research (IJSER)*. Vol. 4(1), 186-194. ISSN: 2455-2631
- “**Analysis and Comparative Study of Essential Heavy Metals in Branded and Local Spices (REWARI), INDIA**”-2018 in *Journal of Emerging Technologies and Innovative Research (JETIR)*. Vol.5 (6), 144-157, ISSN: 2349-5162.
- Abstract(Poster)-“**Cancer Immunotherapy: An Approach To Future Vaccination- A Review Study**”- National Seminar on “**Cancer Prevention & Treatment**”-2017 Jaipur
- **Best Poster** (3rd Rank)-Abstract “**Stem cells & Molecular Target-Future Therapies**”- International Conference on “**Science, Technology & Public Health**”, 2020, Agra

LABORATORY SKILLS/ TECHNIQUES

- Gel electrophoresis unit, Refrigerated centrifuge.
- **Microbiology**- Bacterial cell culture, microbial staining & streaking, Restriction Digestion, Bacterial Transformation
- **Molecular approach**- PCR, SDS-PAGE, Nano-drop, Nucleic Acid Isolation, ELISA
- **Instrumentation**- Laminar Air Flow, Microscopes, Autoclave
- **Tissue culture**- culturing of plant cells.
- **Bioinformatics**- Homology modeling, Molecular Docking, Pharmacophore Modelling, 3D QSAR model, Virtual Screening of drug library, Molecular Dynamics Simulation, Protein-Protein Interaction, Protein-Ligand Interaction, ADMET studies, Disordered Protein Study, Multiple Sequence Alignment, Primer Designing, Chemical Databases, Data Analysis, Machine Learning
- **Software** – BLAST, Autodock tools, Autodock vina, Modeller, Chimera, Pymol, OpenBabel, Chemaxon Marvin Sketch, Gromacs, SwissParam, Schrodinger Suite (Prime, Glide, phase, etc), Biovia Discovery Studio, SyByl, SwissADME, Anaconda3, Jupyter notebook, google colab
- **OS**- Windows, Linux, Ubuntu, Red Hat

AREAS OF INTEREST

- Molecular Biology and Human Genetics
- Neurology & Clinical Bio-Technology
- Evolutionary Genetics
- Drug designing & CADD

EXTRA CURRICULAR ACTIVITIES/ OTHER STRENGTHS.

- Participated and got many Certificates in Talent Search Exams.
- Active Participation in several, Essay Writing, G.K, Intelligence Test and various Olympiads.
- Secured 1st position in quiz competition held in Mohanlal Sukhadia University Udaipur.
- Active participation in Sports and extra-curricular activities in college and Institute.
- Volunteering in organizing Symposiums and Workshops.
- Languages: -Fluent in both written as well as spoken English & Hindi, Spoken Telugu also.
- Working on both Windows (RSCIT qualified) and various Linux OS
- Working on Ubuntu Command Line and Familiar with Python Script.

PERSONAL DETAILS:

- FATHER NAME - KESANA RAMESH BABU
- MOTHER NAME - LAGUDU SATYAVATI
- D.O.B - 29-08-1994
- NATIONALITY - INDIAN
- ADDRESS -.LIG-39, VUDA Phase II, Kurmannapalem, visakapatnam (A.P.)

REFERENCE

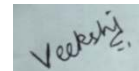
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DECLARATION

I hereby declare that the above-mentioned information is correct to the best of my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars



PLACE- Lucknow

(Kesana Veekshitha)