

## Curriculum Vitae

**Dr. Shweta Srivastava**

**Permanent address-** B107, Devnagar, near kbs school, jhunsi, prayagraj

Pincode-211019

**Father name-** Mr.Pravesh kumar srivastava

**Mother name-** Mrs.Mamta srivastava

**Contact number-**7752977111

**E-mail address -** [shwetadolly20@rediffmail.com](mailto:shwetadolly20@rediffmail.com), [shwetadolly0@gmail.com](mailto:shwetadolly0@gmail.com)



### **Educational qualification-**

<b>QUALIFICATION</b>	<b>INSTITUTE</b>	<b>YEAR</b>
10th	Bishop Johnson school and college (I.C.S.E)	2004
12th	Bishop Johnson school and college(I.S.C)	2006
B.PHARMA	G.B.T.U	2010
M.SC(bioinformatics)	University of Allahabad	2012
M.TECH(bioinformatics)	IIIT Allahabad	2015
Ph.d ( biotechnology)	Mnnit Allahabad	2022

### **CAREER OBJECTIVE**

To build career in academic domain where I can get the opportunities to prove my abilities by accepting challenges, fulfilling the goals and climb the career ladder through continuous learning and commitment.

### **AWARDS**

- Awarded UPCST fellowship from 2015 to 2018.
- Awarded Young Researcher Award 2020 from InSc (Institute of Scholar)

## **TITLE OF PHD THESIS**

- “*In-silico* identification of antifungal agents against novel drug targets of *Aspergillus fumigatus*”

## **TITLE OF MTECH THESIS**

- “Improvement of efficiency of protein active site prediction model using machine learning approach.”

## **COMPUTATIONAL SKILLS**

- Programming languages: MATLAB, PERL, R and Bioconductor
- Environments: Expert in MS Windows and LINUX (UBUNTU) Package: Competent knowledge of MS office

## **BIOINFORMATICS SKILL**

- Molecular Dynamics and Simulation: GROMACS, SPDB Viewer.
- Visualization: RASMOL, VMD, Pymol, Chimera
- Molecular Designer: ChemsSketch, Maestro (Schrodinger Suite). Receptor-Ligand
- Docking: Autodock, Autodock vina, Glide(Schrodinger Suite)
- Phylogenetic Analysis: ClustalW
- Homology Modeling: Modeller
- System Biology: Cytoscape, Cell designer
- Databases: Working experience of various biological Databases
- Microarray analysis: Weka, Genesis

## **TRAINING AND WORKSHOP**

- Attended the workshop entitled “Computational Methods in Physical, Geological Modeling and Drug Designing” organized by National Centre of Experimental Mineralogy and Petrology, University of Allahabad and The National Academy of Science, India(Local Chapter) held during September 29 to October 1, 2011.

- Awarded 47th Rank at all India level in National Level Pharmacy Talent Search Examination-2008(Online) Junior Level held in 2008.
- Completed one month summer training from Vibgyor Laboratories, Naini, Allahabad
- Completed one month job training from Shree Baidhyanath Ayurved Bhawan Pvt Limited, Naini, Allahabad
- Completed summer internship from MNNIT, Allahabad
- Attended the “Short term course on Hands on Training on Molecular Techniques in Biotechnology” in MNNIT, Allahabad
- Attended “National Workshop on Biotechnological Interventions for Societal Development” , March 21-23, 2017
- Participated in 10 days workshop on "Genomics, Personalized Medicine and Ethics" held at MNNIT on July 31, 2017 – August 11, 2017
- Participated in “National seminar on Altering Paradigm of Biomaterials in Drug Development” held at United Institute of Pharmacy, Naini, Allahabad, 7th October 2017
- Attended “One day symposium on Network biology” held in IIIT Delhi, 28th October 2017
- Participated in 3 days online workshop on "QSAR and Pharmacophore modeling” organised by Pathfinder Research and Training Foundation on September 4, 2020 – September 6, 2020

## **CONFERENCES/WEBINAR**

- Paper presented in “International Conference on Bioinformatics and Systems Biology (BSB-2015)” on 4th to 6th March 2015 held in IIIT Allahabad on “Prediction of

catalytic site of proteins based on amino acid triads approach using non parametric function”

- Paper presented in “International Conference on Bioinformatics and Systems Biology (BSB-2018)” on 26th to 28th October 2018 held in IIIT Allahabad on “Identification of potential inhibitors for identified novel drug targets of *Aspergillus fumigatus*”
- Poster presentation in “NextGen Genomics, Biology, Bioinformatics and Technologies (NGBT) 9th International Conference on 30th Sep - 2nd Oct 2019, Mumbai, India on “Prediction of essential gene by metabolic pathway analysis of *Aspergillus fumigatus* using Cytoscape”
- Attended webinar on “**Engineering The Future In The Post-COVID Era**” organized by IEEE Student Branch MNNIT Allahabad on 14 September, 2020.

## PUBLICATIONS

- Singh, Y., **Srivastava, S.** and RashmiTripathi, Y.J., A Review Report on Newer Advancement in Bioisosteric Replacement in Drug Design.
- Maurya, P.K., Mishra, A., Yadav, B.S., Singh, S., Kumar, P., Chaudhary, A., **Srivastava, S.** Murugesan, S.N. and Mani, A., 2017. Role of Y Box Protein-1 in cancer: As potential biomarker and novel therapeutic target. *Journal of Cancer*, 8(10), p.1900.
- Chaudhary, A., Yadav, B.S., Singh, S., Maurya, P.K., Mishra, A., **Srivastava, S.**, Varadwaj, P.K., Singh, N.K. and Mani, A., 2017. Docking-based screening of *Ficus religiosa* phytochemicals as inhibitors of human histamine h2 receptor. *Pharmacognosy magazine*, 13(Suppl 3), p.S706.
- **Srivastava, S.**, Kumar, G., Lahiri, T., Kumar, R., Pal, M.K., Gupta, P. and Gupta, R., 2016, March. Prediction of catalytic site of proteins based on amino acid triads approach using non parametric function. In 2016 International Conference on Bioinformatics and Systems Biology (BSB) (pp. 1-4). IEEE.

- **Srivastava, S.**, Chaudhary, A., & Mani, A. (2018, October). Identijication of potential inhibitors for identified novel drug targets of *Aspergillus fumigatus*. In *2018 International Conference on Bioinformatics and Systems Biology (BSB)* (pp. 81-84).
- **Srivastava S**, Maurya NS, Kushwah S, Mani A. Current Promising Therapeutic Targets for Aspergillosis Treatment. *J Pure Appl Microbiol*. Published online 19 April, 2021. doi:10.22207/JPAM.15.2.09

## WORK EXPERIENCE

- Assistant professor in department of pharmacy, Kanpur institute of technology and pharmacy, kanpur(31 jan 2022-Till now)

## REFERENCES

S.no	Name	Designation	Mobile/Email
1	<b>Dr.Ashutosh Mani</b>	<b>Assistant Professor,Department of Biotechnology,MNNIT Allahabad,Prayagraj</b>	<b>91-9455354251 amani@mnnit.ac.in</b>
2	<b>Dr. Sameer Srivastava</b>	<b>Assistant Professor,Department of Biotechnology,MNNIT Allahabad,Prayagraj</b>	<b>91-9889864633 sameers@mnnit.ac.in</b>
3	<b>Dr.Tapobrata Lahiri</b>	<b>Professor, Department of Applied Science,IIT Allahabad</b>	<b>91-9415648262 tlahiri@iita.ac.in</b>

## DECLARATION

**I hereby declare that all informations given by me in support of my application are true,complete and correct to the best of my knowledge and belief and if any of them is found to be incorrect or false I shall be liable to disciplinary action as may be decided by the Institution.**