

Suprateek Chatterjee

CONTACT INFORMATION	HPC Lab, CC-2, IIIT-Allahabad Allahabad, UP 211012, INDIA	✉: suprateek.chatterjea@gmail.com 📄: suprateekchatterjee.github.io
RESEARCH INTERESTS	Molecular Networks, Network Medicine, Graph Theory, Network Biology	
EDUCATION	Indian Institute of Information Technology , Allahabad, UP. Ph.D., Applied Sciences (Bioinformatics) 2014 - present Thesis: A Graph-Theoretic Approach To Model Pathogen-Host Interactions. Advisor: B. S. Sanjeev M.Tech., Applied Sciences (Bioinformatics) 2012 - 2014 Thesis: A Contact Map-Based Approach To Predict Conformational Epitope Residues. Advisor: B. S. Sanjeev Manipal University , Manipal, KA. B.S., Pharmaceutical Sciences 2007 - 2011	
RESEARCH EXPERIENCE	Research Assistant Department of Applied Sciences, Indian Institute of Information Technology, Allahabad	Jul 2014 - present
	Teaching Assistant Department of Applied Sciences, Indian Institute of Information Technology, Allahabad	Jul 2012 - Jun 2014
REFEREED JOURNAL PUBLICATIONS	1. S. Chatterjee and B. S. Sanjeev, “Role of Toll-like receptors in the interplay between pathogen and damage associated molecular patterns”. <i>Communicated</i> , 2019.	
REFEREED CONFERENCE PUBLICATIONS	1. S. Chatterjee and B. S. Sanjeev, “Identification of Human Proteins vulnerable to multiple Organisms”, <i>In Proceedings of International Conference of Bioinformatics & Systems Biology (BSB)</i> , pp. 1-4, March 04-06, 2016.	
POSTERS	1. S. Chatterjee and B. S. Sanjeev, “Modular communities in Infectious Disease Networks”, <i>DMPH-2019 Meeting, ICTS Bangalore</i> , Jul 03, 2019. 2. S. Chatterjee and B. S. Sanjeev, “Inter-connectivity leads to vulnerability in biological networks”, <i>Research Day, IIIT Allahabad (Best poster prize)</i> , March 24, 2018.	

PAPERS IN PREPARATION	1. S. Chatterjee and B. S. Sanjeev, “Prediction of conformational epitopes using contact map-based approaches”. <i>In preparation.</i>	
AWARDS	<ul style="list-style-type: none"> • Doctoral Fellowship 2014 - 2019 • Post-graduate Scholarship 2012 - 2014 	
TALKS / SEMINARS ATTENDED	<ul style="list-style-type: none"> • DMPH-2019 Meeting Jul 2019 International Centre for Theoretical Sciences, TIFR • IIIT-A Research Day Mar 2018 IIIT-Allahabad • Workshop on Machine Learning & Data Analytics Jul 2017 IIIT-Allahabad • International Conference on Bioinformatics & Systems Biology Mar 2016 IIIT-Allahabad • Seminar on Patterns in Nature Feb 2015 Harish Chandra Research Institute, Allahabad • Workshop on Computational Systems Biology Mar 2014 Dept. of Computer Science, IIT-Kharagpur • National Seminar on Human Brain-A Mystery Organ Aug 2013 IIIT-Allahabad and National Brain Research Center • Workshop on Systems Biology Mar 2013 IIIT-Allahabad • Seminar on Stem Cell-An Emerging Healthcare Frontier Aug 2012 IIIT-Allahabad 	
TEACHING EXPERIENCE	Research Assistant Omics-II Jan-May 2019 Scripting & Computing Environments Jul-Dec 2018 Omics-II Jan-May 2018 Scripting & Computing Environments Jul-Dec 2017 Omics-II Jan-May 2017 Scripting & Computing Environments Jul-Dec 2016 Introduction to Data Structures Jan-May 2016 Algorithms Analysis & Programming Practices Jul-Dec 2015 Language, Algorithms & Tools Jan-May 2015 Algorithms Analysis & Programming Practices Jul-Dec 2014 Teaching Assistant Introduction to Programming Jul-Dec 2013 Data Structures & Algorithms Jan-May 2013 Introduction to C++ Language Jul-Dec 2012	

SKILLS AND INTERESTS	PLATFORM: Linux (Fedora Ubuntu) and Windows PROGRAMMING LANGUAGES: C/C++, Perl, R, \LaTeX WEB DEVELOPMENT: HTML/CSS, PHP OTHER TOOLS: MySQL, Weka, MATLAB, PyMOL, VMD OFFICE WORK: MS Office, Open Office, Libre Office OTHER INTERESTS: Quizzing, Photography, Playing Chess & Puzzles.
RELEVANT COURSES	Fundamentals of Computing, Data Structures & Algorithms, Biostatistics & Probability Theory, Genomics & Proteomics, Languages, Algorithms & Tools, Data Mining in Biological Systems, Molecular Structure Prediction & Validation, Database Management Systems, Machine Learning for Biological Systems, Systems Biology, Biomedical Instrumentation, Probability & Stochastic Process, Computer Aided Drug Design, Molecular Medicine.
REFERENCES	<p> B. S. Sanjeev, Ph.D Assistant Professor Department of Applied Sciences IIIT, Allahabad ☎: +91-532-2922-2238 ✉: sanjeev@iiita.ac.in </p> <p> Krishna Mishra, Ph.D Professor Department of Applied Sciences IIIT, Allahabad ☎: +91-532-2922-2203 ✉: kmisra@iiita.ac.in </p>