

Suprateek Chatterjee

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| CONTACT INFORMATION | Lab-4315, CC-2, IIIT-Allahabad Allahabad, INDIA | ✉: suprateek.chatterjea@gmail.com 🌐: suprateekchatterjee.github.io |
| RESEARCH INTERESTS | Biomedical Informatics, Network Biology, Molecular Networks, Network Medicine | |
| 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 | <ol style="list-style-type: none">1. S. Chatterjee and B. S. Sanjeev, “Network strategies to study Epstein-Barr Virus associated carcinomas and potential etiological mechanisms for oncogenesis”. <i>Communicated</i>, 2022. doi: https://arxiv.org/pdf/2208.00471.pdf2. S. Chatterjee and B. S. Sanjeev, “Network-based community detection of comorbidities and their association with SARS-CoV-2 virus during COVID-19 pathogenesis”. <i>Under revision</i>, 2022. doi: https://arxiv.org/pdf/2205.15968.pdf | |
| REFEREED CONFERENCE PUBLICATIONS | <ol style="list-style-type: none">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. doi: https://doi.org/10.1109/BSB.2016.7552164 | |

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| POSTERS | <ol style="list-style-type: none"> 1. S. Chatterjee and B. S. Sanjeev, “Modular Communities in Infectious Disease Networks”, <i>DMPH-2019 Meeting</i>, ICTS-TIFR Bangalore, Jul 03, 2019. 2. S. Chatterjee and B. S. Sanjeev, “Inter-connectivity leads to vulnerability in biological networks”, <i>Research Day</i>, IIIT Allahabad (Best poster prize), Mar 24, 2018. | |
| PAPERS IN PREPARATION | <ol style="list-style-type: none"> 1. S. Chatterjee and B. S. Sanjeev, “Community detection in infectious disease networks”. <i>In preparation</i>, 2022. 2. S. Chatterjee and B. S. Sanjeev, “Prediction of conformational epitopes using contact map-based approaches”. <i>In preparation</i>. | |
| AWARDS | Doctoral Fellowship Post-graduate Scholarship | 2014 - 2019 2012 - 2014 |
| TALKS / SEMINARS | DMPH 2019, ICTS-TIFR, Bangalore Research Day, IIIT-Allahabad WBSB 2016, IIIT-Allahabad Seminar on Patterns in Nature, HRI-Allahabad Workshop on Computational Systems Biology, IIT-Kharagpur | Jul 2019 Mar 2018 Mar 2016 Feb 2015 Mar 2014 |
| TEACHING EXPERIENCE | Research Assistant Omics-II Scripting & Computing Environments Omics-II Scripting & Computing Environments Omics-II Scripting & Computing Environments Introduction to Data Structures Algorithms Analysis & Programming Practices Language, Algorithms & Tools Algorithms Analysis & Programming Practices Teaching Assistant Introduction to Programming Data Structures & Algorithms Introduction to C++ Language | Jan-May 2019 Jul-Dec 2018 Jan-May 2018 Jul-Dec 2017 Jan-May 2017 Jul-Dec 2016 Jan-May 2016 Jul-Dec 2015 Jan-May 2015 Jul-Dec 2014 Jul-Dec 2013 Jan-May 2013 Jul-Dec 2012 |

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| SKILLS AND INTERESTS | PLATFORM: Linux and Windows PROGRAMMING LANGUAGES: C, Perl, Python, R, \LaTeX WEB DEVELOPMENT: HTML/CSS, PHP OTHER TOOLS: Gnuplot, VMD, Chimera OFFICE WORK: MS 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 Misra, Ph.D Professor Department of Applied Sciences IIIT, Allahabad ☎: +91-532-2922-2203 ✉: kmisra@iiita.ac.in </p> |