

Suprateek Chatterjee

| | | |
|-----------------------|--|---|
| CONTACT INFORMATION | Lab-4315, CC-2, IIIT-Allahabad Allahabad, INDIA | ✉: suprateek.chatterjea@gmail.com 📧: suprateekchatterjee.github.io |
| RESEARCH INTERESTS | Biomedical Informatics, Complex Networks, Network Medicine | |
| EDUCATION | Indian Institute of Information Technology , Allahabad, UP. Ph.D., Applied Sciences (Bioinformatics) 2014 - present M.Tech., Applied Sciences (Bioinformatics) 2012 - 2014 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 - Jun 2020 |
| | Teaching Assistant Department of Applied Sciences, Indian Institute of Information Technology, Allahabad | Jul 2012 - Jun 2014 |
| REFEREED PUBLICATIONS | <ul style="list-style-type: none">• S. Chatterjee and B. S. Sanjeev, Over-representation analysis of angiogenic factors in immunosuppressive mechanisms in neoplasms and neurological conditions during COVID-19. <i>Microbial Pathogenesis</i>, 185 (106386), pp. 1-9, 2023. doi: 10.1016/j.micpath.2023.10386• S. Chatterjee and B. S. Sanjeev, Community detection in Epstein-Barr virus associated carcinomas and role of tyrosine kinase in etiological mechanisms for oncogenesis. <i>Microbial Pathogenesis</i>, 180 (106115), pp. 1-7, 2023. doi: 10.1016/j.micpath.2023.106115• 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: 10.1109/BSB.2016.7552164• S. Chatterjee and B. S. Sanjeev, Role of Toll-like Receptors in the interplay between pathogen and damage associated molecular patterns. <i>In Preparation</i>. arXiv: http://arxiv.org/abs/1907.03512 | |

| | | |
|----------------------------|--|--|
| POSTERS | <ul style="list-style-type: none"> • S. Chatterjee and B. S. Sanjeev, “Modular Communities in Infectious Disease Networks”, <i>DMPH-2019 Meeting, ICTS-TIFR Bangalore</i>, Jul 03, 2019. • S. Chatterjee and B. S. Sanjeev, “Inter-connectivity leads to vulnerability in biological networks”, <i>Research Day, IIIT Allahabad (Best poster prize)</i>, Mar 24, 2018. | |
| 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 |
| PROFESSIONAL ACTIVITIES | Reviewer for Journals: Infection, Genetics and Evolution Combinatorial Chemistry & High Throughput Screening Conferences: WBSB (IEEE) | |

| | |
|----------------------|---|
| SKILLS AND INTERESTS | Platform: Linux and Windows Programming languages: C, Perl, Python, R, \LaTeX Web Development: HTML/CSS, Git Other Tools: Gnuplot, VMD, Chimera Office Work: MS Office, Libre Office Other Interests: Quizzing, 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 | Available on request. |